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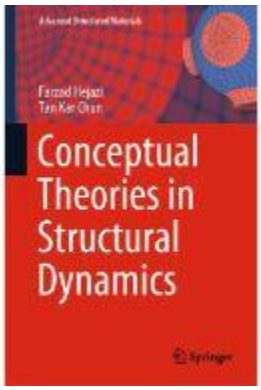


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Applied Mechanics



Conceptual theories in structural dynamics by Farzad Hejazi and Tan Kar Chun - Singapore: Springer, 2020 - x, 217p. - Advanced structured materials

Includes bibliography and index (p. 213-217)

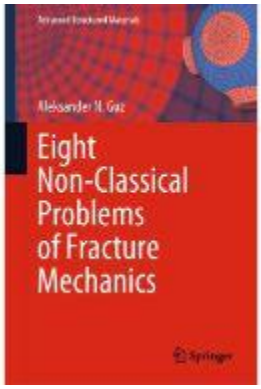
ISBN: 9789811554421

Subjects Terms: Duhamel's integral Force transmissibility Dynamic response Orthogonality Damping component

624.04 HEJ-C

176916; CL

Click here for more details



Eight non-classical problems of fracture mechanics by Aleksander N. Guz - Cham: Springer, 2022 - xxxiv, 366 p. - Advanced structured materials

Includes bibliography index (p. 365-366)

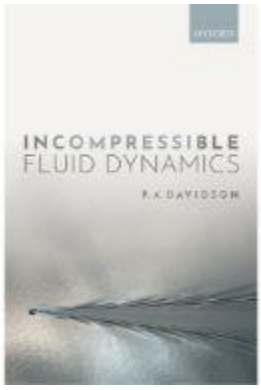
ISBN: 9783030775001

Subjects Terms: Fracture mechanics-mathematical models Mechanical engineering Non-classical problem of fracture ,mechanics Plastic bodies Model of short fiber

539.42 GUG-E

176914; CL

Click here for more details



Incompressible fluid dynamics by P. A. Davidson - Oxford: Oxford University Press, 2022 - xvi, 508p. -

Includes bibliography and index (p. 484- 508)

ISBN: 9780198869122

Subjects Terms: Real fluid Bernoulli's equation Kinematics Euler's equation Viscosity

532.5 DAV-I

176925; CL

Click here for more details



Problems and solutions on thermodynamics and statistical mechanics edited by Swee Cheng Lim, Choy Heng Lai and Leong Chuan Kwek - 2nd ed. - Hackensack: World Scientific, 2022 - ix, 393p. - Major American Universities Ph. D. qualifying questions and solutions

Includes bibliography and index (387-393p.)

ISBN: 9781944659998

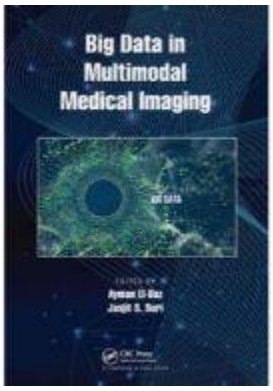
Subjects Terms: Fermi-Dirac statics Ensembles Statistical physics Thermodynamics function Statistical Entropy Kinetic gases theory

531.01:536.7 -PRO

176926; CL

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Centre for Biomedical Engineering



Big data in multimodal medical imaging edited by Ayman EL-Baz and Jasjit S.Suri - Boca Raton: CRC Press, 2021 - xvii, 311p. -

Includes bibliography and index (p. 301-310)

ISBN: 9781032087276

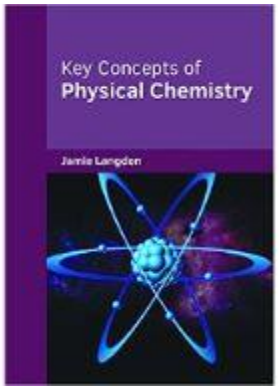
Subjects Terms: Cardiovascular diseases Health informatics Segmentation Retinopathy Biomedicine

616-073 -BIG

176973; CL

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Chemistry



Key concepts of physical chemistry by Jeeee Langdon - New York: Willford Press, 2018 - 230p. -

Includes bibliography and index (p.229-2230)

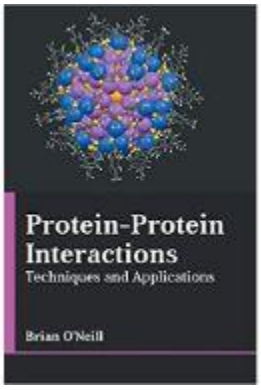
ISBN: 9781682854358

Subjects Terms: Structural control Electronic transport Cold denaturation induces Tactoids transformation Electronic transport Spectroscopy

544 LAN-K

176897; CL

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Protein-protein interactions techniques and applications edited by Brian O'Neill - New York: Larsen and Keller, 2018 - vii, 188p. -

Includes bibliography and index (p.187-188)

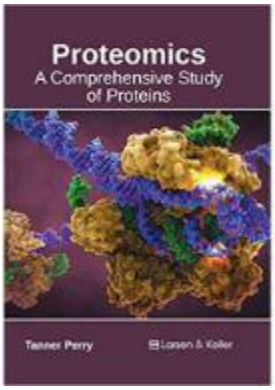
ISBN: 9781635496536

Subjects Terms: Protein binding Interactomics Chromatography Immunoprecipitation Protein microarrays Antibody microarrays

577.112 - PRO

176899; CL

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Proteomics a comprehensive study of proteins edited by Tanner Perry - New York: Larsen and Keller, 2017 - vii, 263p. -

Includes bibliography and index (p.253-255)

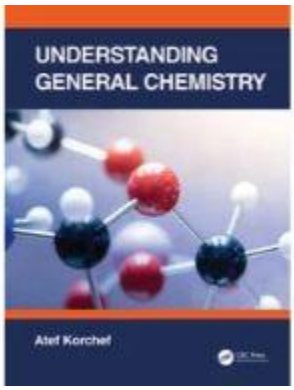
ISBN: 9781635492392

Subjects Terms: Enzyme Protein subunit Protein Microarray Neuroproteomics Phosphoproteomics

547.964.2 PER-P

176900; CL

Click here for more details



Understanding general chemistry by Atef Korchef - Boca Raton: CRC Press, 2022 - xiii,265 p. -

Includes bibliography and index (p. 261-266)

ISBN: 9781032189147

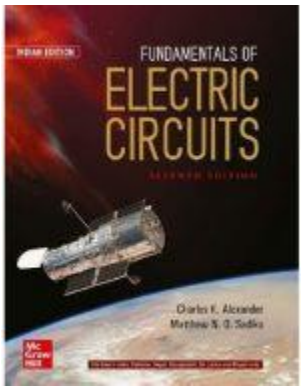
Subjects Terms: Separating Gravity Density Quantum Latent

54 KOR-U

177054; CL

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Fundamentals of electric circuits by Charles K. Alexander and Matthew N. O. Sadiku - 7th ed. - New Delhi: McGraw Hill Education, 2019 - xvi, 903p. -

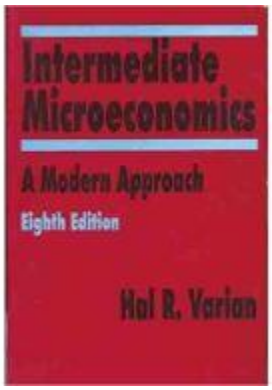
ISBN: 9789355320162

Subjects Terms: Nodes Superposition Amplifier Energy Fourier analysis

621.3.049 ALE-F

BB76637-BB76641; BB

Click here for more details



Intermediate microeconomics: a modern approach / by Hal R. Varian - 8th ed. - New Delhi: East-West Press 2010 - xxiv, 758 p

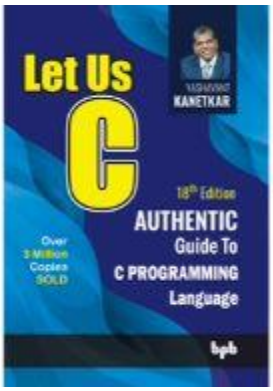
ISBN: 9788176710657

Subjects Terms: Budget constraint | Asset markets | Consumers surplus | Market demand | Auctions | Monopoly

330.18 VAR-I

BB76642-BB76646; BB

Click here for more details



Let us C authentic guide to C programming language by Yashavant Kanetkar - 18th ed. - New Delhi: BPB Publications, 2021 - xvi,490 p. -

Includes bibliography and index (p. 485-490)

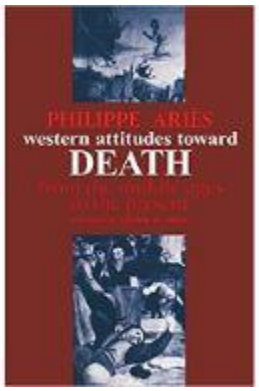
ISBN: 9789391392994

Subjects Terms: Control instruction Decision making Recursion Pointers Functions

681.3.06C KAN-L

177064-177065; TB

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Western attitudes toward death from the Middle Ages to the present by Philippe Aries and translated by Patricia M. Ranum. – Baltimore: Johns Hopkins University Press 1975 - xi, 111p. - John Hopkins symposia in comparative history

Includes bibliography and index (109-111p.)

ISBN: 9780801817625

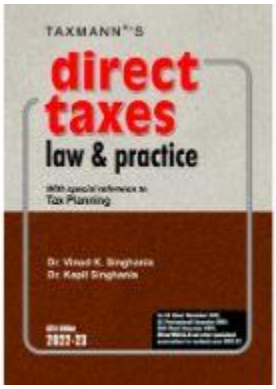
Subjects Terms: Death types Tamed death Human psychology Death fear Forbidden death

128(666.21) ARI-D

177070; CL

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Centre for Rural Development and Technology



Direct taxes law and practice / by Vinod K. Singhania, Kapil Singhania - 67th ed - New Delhi: Taxmann, 2022 - 1714 p -

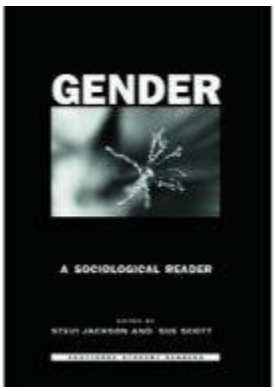
ISBN: 9789356221888

Subjects Terms: Assessment | Gross total income | Revenue receipt | Expenditure | Market value

336.226 SIN-D

177073-177074; CL; CRDT

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Gender: a sociological reader / edited by Stevi Jackson and Sue Scott – Oxon:: Routledge, 2022 - xiv, 465p - Routledge student reader

Includes bibliography and index (p. 457-465)

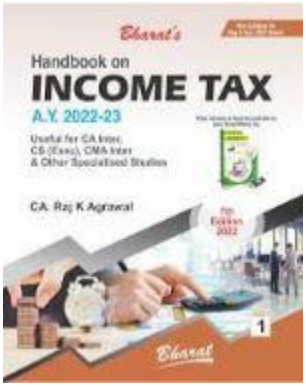
ISBN: 9780415201803

Subjects Terms: Masculinity | Performative subversions | Hegemonic | Feminism | Equal opportunities

305-GEN

177071-177702; CL; CRDT

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Handbook on income tax (AY 2022-2023) / by Raj K Agrwal - 7th ed - New Delhi: Bharat Law House, 2022 - 357p -

ISBN: 9789390854707

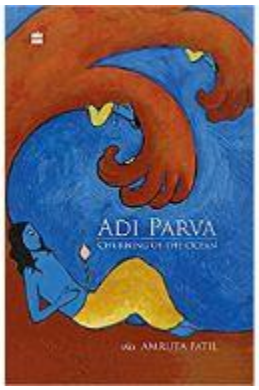
Subjects Terms: Business laws | Taxation | Statistics | Accounting | Direct and indirect taxes

336.226.11 AGR-H

177075-177076; CL; CRDT

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Design



Adi Parva churning of the ocean by Amruta Patil – Noida: Harper Collins, 2021 - 271 p. -

Includes bibliography and index (p. 261-271)

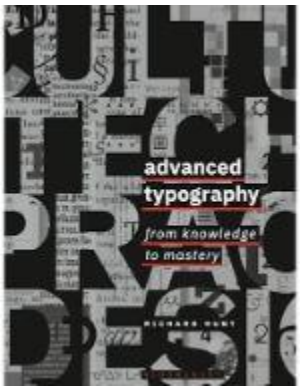
ISBN: 9789354227615

Subjects Terms: Creation Earth Water Bheeshm Amba

7:2-23 PAT-A

177027; CL

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Advanced typography from knowledge to mastery by Richard Hunt - London: Bloomsbury Publishing Plc, 2020 - 255p. -

Includes bibliography and index (p.253-255)

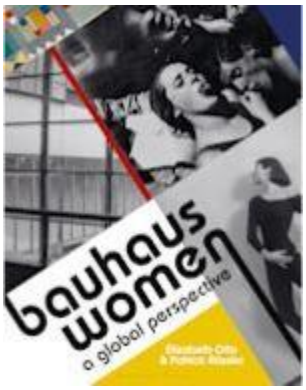
ISBN: 9781350055919

Subjects Terms: Graphic design Typography-Data processing Computer programs Typefaces Type technology

655.262 HUN-A

176892; CL

Click here for more details



Bauhaus women by Elizabeth Otto and Patrick Rossler a global perspective - London: Bloomsbury Publishing Plc, 2019 - 192p. -

ISBN: 9781912217960

Subjects Terms: Design Women artist European art German art Visual performing art

7.038.16-055.2 OTT-B

176893; CL

Click here for more details



Design by D.J. Huppatz - London: Bloomsbury Publishing Plc, 2020 - xi, 174 p. - Key concepts

Includes bibliography and index (p.167-174)

ISBN: 9781350068148

Subjects Terms: Engineering Design Design and technology Social aspects Graphic identities Organizational design

745/749 HUP-K

176877; CL

Click here for more details



Design process by Karl Aspelund - 4th ed. - New York: Bloomsbury Publishing Plc, 2022 - xvi, 270p. -

Includes bibliography and index (267-270p.)

ISBN: 9781501356056

Subjects Terms: Design Methodology Industrial design Design elements Notable designer Prototyping concept

745/749.022 ASP-D

176875; CL

Click here for more details

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Design thinking for visual communication by Gavin Ambrose and Paul Harris - 2nd ed. - New York: Bloomsbury Publishing Plc, 2019 - 192p. - Basic design

Includes bibliography and index(p.190-191)

ISBN: 9781350106222

Subjects Terms: Graphic arts Typography Design communication Image thinking Personification

744 AMB-D

176883; CL

Click here for more details



Disobedience of design by Gui Bonsiepe and edited by Lara Penin - New York: Bloomsbury Publishing Plc, 2022 - xxiv, 451p. - Radical thinker in design

Includes bibliography and Index (p.439-451)

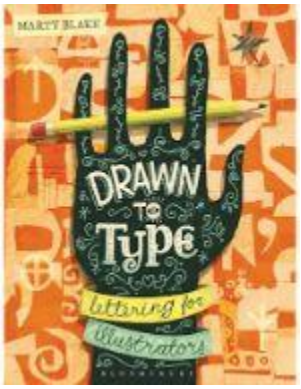
ISBN: 9781350162440

Subjects Terms: Design language Design virtues Modernity cartography Language design Verbal rhetoric

745/749 BON-D

176890; CL

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Drawn to type by Marty Blake lettering for illustrators - New York: Bloomsbury Publishing Plc, 2021 - xii,155p. -

Includes Bibliography and Index(p.151-155)

ISBN: 9781350066915

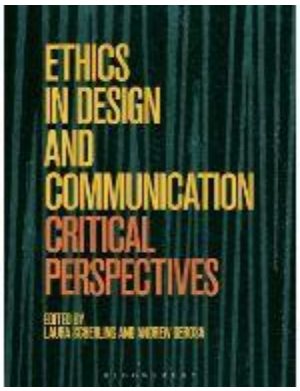
Subjects Terms: Typography Hand lettering Letterforms Pen Calligraphy Signage Graphic novels Animation

744.43 BLA-D

176882; CL

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Ethics in design and communication critical perspective edited by Laura Scherling and Andrew Derosa - New York: Bloomsbury Publishing Plc, 2020 - xviii, 250p. -

Includes bibliography and index (217-250p.)

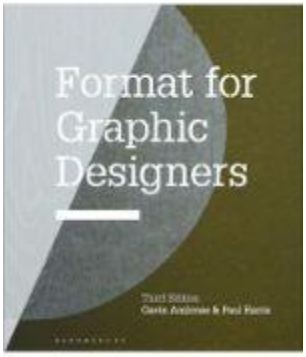
ISBN: 9781350077041

Subjects Terms: Community organizing Pedagogy Research process Sustainable development Socio- technical system Dark user

74:17 - ETH

176964; CL

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Format for graphic designers by Gavin Ambrose and Paul Harris - 3rd ed. - London: Bloomsbury Publishing Plc, 2019 - 208p. -

Includes bibliography and index (p.206-207)

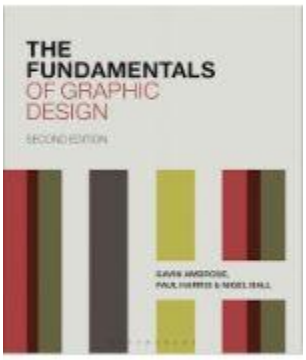
ISBN: 9781474290630

Subjects Terms: Books Format Graphic arts Design communication Storytelling Dummies

766 AMB-F

176872; CL

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Fundamentals of graphic design by Gavin Ambrose, Paul Harris and Nigel Ball - 2nd ed. - New York: Bloomsbury Publishing Plc, 2019 - 191p. - Fundamentals

Includes bibliography and index (p.186-188)

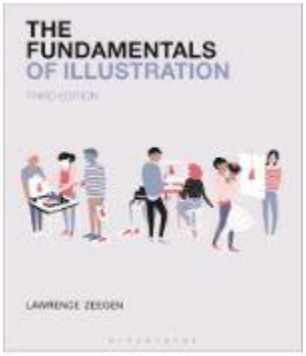
ISBN: 9781474269971

Subjects Terms: Print finishing Commercial art Advertising layout Typography Art direction

766 AMB - F

176873; CL

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Fundamentals of illustration by Lawrence Zeegen - 3rd ed. - London: Bloomsbury Publishing Plc, 2020 - 173p. -

Includes bibliography and index (p.165-173)

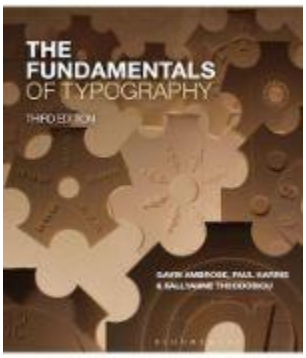
ISBN: 9781474240390

Subjects Terms: Commercial art Graphic art Commercial art study teaching Production Communicating ideas

744 ZEE-F

176889; CL

Click here for more details



Fundamentals of typography by Gavin Ambrose, Paul Harris and Sallyanne Theodosiou - 3rd ed. - New York: Bloomsbury Publishing Plc, 2020 - 198p. - Fundamentals

Includes bibliography and index (p. 191-198)

ISBN: 9781474270366

Subjects Terms: Typeweight variation Superscript Subscript Legibility Readability Texture

655.262 AMB.F

176887; CL

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Game design deep dive platformers by Joshua Bycer - Boca Raton: CRC Press, 2020 - xi, 139p. -

Includes bibliography and index (p.133-139)

ISBN: 9780367211387

Subjects Terms: Variable jumping Committed jumping Adventure platformer Indie movement Kaizo culture

681.3:744 BYC-G

176959; CL

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Good by Lucienne Roberts an introduction to ethics in graphic design - New York: Bloomsbury Publishing, 2019 - 199 p. -

Includes bibliography and index (p.198-199)

ISBN: 9781350161726

Subjects Terms: Ethical flux Graphic artists Debating good Exhibition Management

766:17 ROB-G

176960; CL

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Graphic design process how to be successful in design school by Anitra Nottingham and Jeremy Stout - London: Bloomsbury Publishing Plc, 2019 - vi,199p. -

Includes bibliography and index (p.184-199)

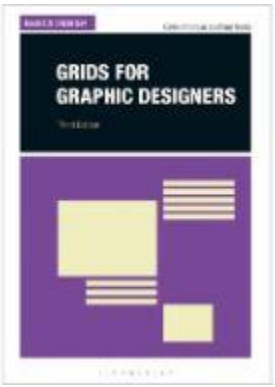
ISBN: 9781350050785

Subjects Terms: Commercial art-study teaching Costume design-technique Graphic arts-technique Design-technique Graphic arts-study and teaching

766.012.021 NOT-G

176963; CL

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Grids for graphic designers by Gavin Ambrose and Paul Harris - 3rd ed. - New York: Bloomsbury Publishing Plc, 2021 - 216p. - Basic design

Includes bibliography and index (208-214p.)

ISBN: 9781474254779

Subjects Terms: Symmetrical Angular grids Web basics Juxtaposition Baseline images

766:655.26 AMB-G

176962; CL

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Idea generation by Neil Leonard and Gavin Ambrose - London: Bloomsbury Publishing Plc, 2020 - 192p. - Basic graphic design

Includes bibliography and index (p.187-192)

ISBN: 9781350170223

Subjects Terms: Practical idea Creative thinking Exploring idea generation Getting started Client competition

766 LEO-B

176878; CL

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Idea searching for design how to research and develop design concepts by David Bramston and YeLi - 2nd ed. - London: Bloomsbury Visual Arts 2016 - 184p. - Basics product design

Includes bibliography and index (p.173-184)

ISBN: 9781350140790

Subjects Terms: Design journey Creative thinking Industrial design New products -Design Design -Social aspects Design -Study teaching

74.049.1 BRA- I

176961; CL

Click here for more details



Introduction to modern design its history from the eighteenth century to the present by George H. Marcus - London: Bloomsbury Publishing Plc, 2020 - 277p. -

Includes bibliography and index (p.269-277)

ISBN: 9781474276658

Subjects Terms: European modernism Church decoration Architectural Art nouveau Craft movement Organic style

745/749(091) MAR-I

176881; CL

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Pathways to well-being in design examples from the arts, humanities and the built environment edited by Richard Coles, Sandra Costa and Sharon Watson - London: Routledge, 2019 - xiii, 247p. -

Includes bibliography and index (p.239-247)

ISBN: 9780815346951

Subjects Terms: Design Human factors Airplanes Design Roads construction Living technologies Pathways well-being

745/749 -PAT

176868; CL

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Retail design by Stephen Anderson and Lynne Mesher - 2nd ed. - New York: Bloomsbury Publishing Plc, 2020 - 190p. - Basic interior design

Includes bibliography and index (p.182-190)

ISBN: 9781474289252

Subjects Terms: Modern consumer Branding Retail Sectors Typical Materials Interior elements

747 AND-R

176886; CL

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Sauptik blood and flowers by Amruta Patil - Patil, Amruta Harper Collins, 2021 - 253 p. -

Includes bibliography and index (p. 244-253)

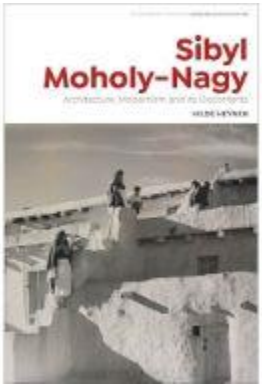
ISBN: 9789354229367

Subjects Terms: Vashishth Brahamin Heart of dice Sword Plumb

7:2-23 PAT-S

177028; CL

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Sibyl moholy-nagy architechture, modernism and its discontents by Hilde Heynen - London: Bloomsbury Publishing Plc, 2021 - xiv, 265p. - Bloomsbury studies in modern architecture

Includes bibliography and index (p.235-265)

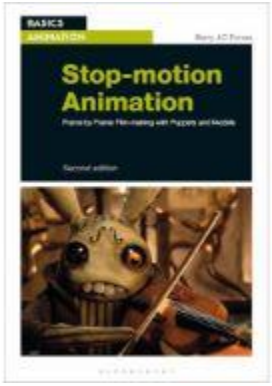
ISBN: 9781350166172

Subjects Terms: Architectural criticism Feminism and architecture Modern movement Double critique Moholy's widow

72.036 HEY-S

176870; CL

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Stop-motion animation frame by frame films-making with puppets and models by Barry J C Purves - 2nd ed. - New York: Bloomsbury Publishing Plc, 2018 - 228p. - Basics animation

Includes bibliography and index (p.218-225)

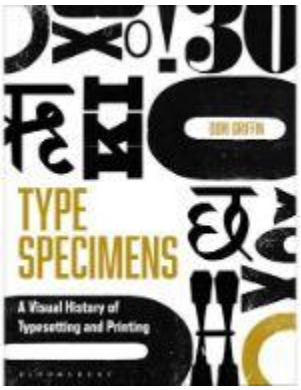
ISBN: 9781501353796

Subjects Terms: Movement illusion Storyboards Puppet design Lighting Stylized movement Stop motion

778.53 PUR-S

176866; CL

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Type specimens a visual history of typesetting and printing by Dori Griffing - London: Bloomsbury Publishing Plc, 2022 - 255p.

Includes bibliography and index (p.244-255)

ISBN: 9781350116597

Subjects Terms: Printing history Printers manuals Type founding Data processing Historiography

655.2 GRI-T

176867; CL

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User experience design by Gavin Allanwood and Peter Beare - 2nd ed. - New York: Bloomsbury Publishing Plc, 2019 - xii,162p. Includes bibliography and index (p.160-163)

ISBN: 9781350021709

Subjects Terms: Design creating Design process Life experiences Design pattern Problem solving Responsive design

745/749.012 ALL-U

176885; CL

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Writing for the design mind by Natalia Ilyin - London: Bloomsbury Publishing Plc, 2019 - xix, 176p. -

Includes bibliography and index (p.171-176)

ISBN: 9781350034976

Subjects Terms: Authorship Motion picture authorship Fiction-Authorship Journalism Poetry Children's literature

808.1 ILY-W

176880; CL

Click here for more details

Electrical Engineering



Control engineering by Laszlo Keviczky...(et al.) - Cham: Springer, 2019 - xxiv,532 p. - Advanced textbooks in control and signal processing

Includes bibliography and index (p. 527-532)

ISBN: 9789811341144

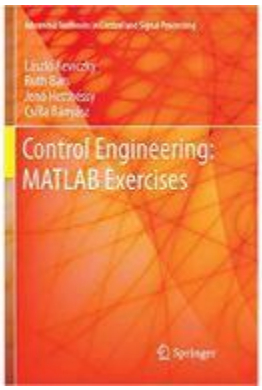
Subjects Terms: Closed loop Transfer Linearization Fourier series Asymptotic bode

621-50 -CON

177030; CL

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Back to Content



Control engineering: MATLAB exercises by László Keviczky...(et al.) – Cham: Springer, 2019 - xviii,275 p.

Includes bibliography and index (275p.)

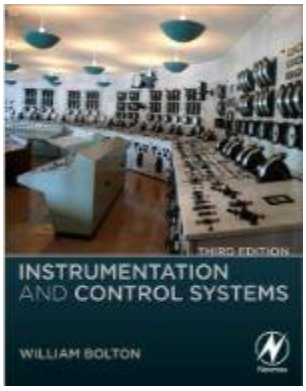
ISBN: 9789811341229

Subjects Terms: Static response Regulator design Feedback control State estimation Parameterized

621-52:681.3.06M KEV-C

177031; CL

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Instrumentation and control systems by William Bolton - 3rd ed. - Bolton, William Elsevier, 2021 - xiii,370 p. -

Includes bibliography and index (361-370 p.)

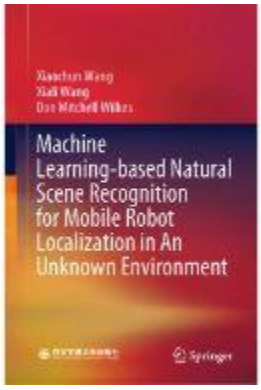
ISBN: 9780128234716

Subjects Terms: Resolution Repeatability Calibration Potentiometer Floats

681.2/.58

177017; CL

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Machine learning-based natural scene recognition for mobile robot localization in an unknown environment by Xiaochun Wang, Xiali Wang and Don Mitchell Wilkes – Cham: Springer, 2020 - xxii,328 p. -

Includes bibliography and index (p. 326-328)

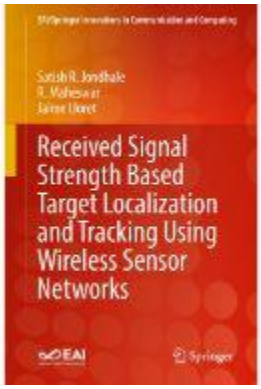
ISBN: 9789811392160

Subjects Terms: Contribution Algorithm Absolute Sensor Spectral clustering

681.5 WAN-M

177062; CL

Click here for more details



Received signal strength based target localization and tracking using wireless sensor networks by Satish R. Jondhale, R. Maheswar and Jaime Lloret – Cham: Springer, 2022 - xv,205 p. - EAI/Springer innovations in communication and computing

Includes bibliography and index (p.203-205)

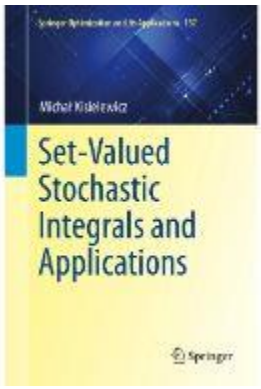
ISBN: 9783030740603

Subjects Terms: Pico - radio Trilateration Bayesian Zigbee Figerprinting

621.391.81 JON-R

177063; CL

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Set-valued stochastic integrals and applications by Michal Kisielewicz – Cham: Springer, 2020 - xii,281 p. - Springer Optimization and Its Applications

Includes bibliography and index (p. 275-281)

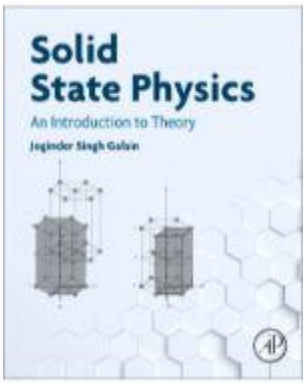
ISBN: 9783030403287

Subjects Terms: Topological Subtrajectory Indefinite Variables Decomposable

519.21 KIS-S

177068; CL

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Solid state physics an introduction to theory by Joginder Singh Galsin – London: Elsevier, 2019 - xvi,640 p. -

Includes bibliography and index (627-640 p.)

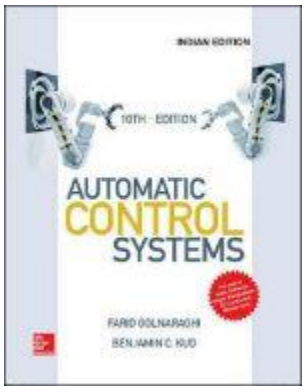
ISBN: 9780128171035

Subjects Terms: Crystal structure Miller indices Bulk modules Ionic bonding Bloch theorem

539.2 GAL-S

177069; CL

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Automatic control systems by Farid Golnaraghi and Benjamin C. Kuo - 10th ed. – Chennai: Mc Graw Hill Education, 2018 - xiv, 846p. -

Includes bibliography and index (p. 819-846)

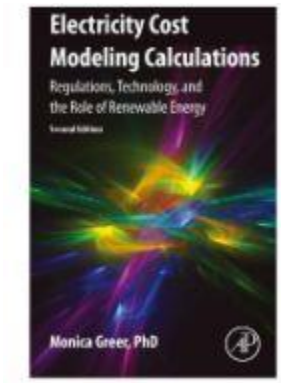
ISBN: 9789387572973

Subjects Terms: Differential equation Closed-loop Dynamic systems Fluid system Frequency

621-52 GOL-A

176974; CL

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Electricity cost modeling calculations regulations, technology and the role of renewable energy by Monica Greer - 2nd ed. - London: Academic Press, 2022 - xv, 406p. -

Includes bibliography and index (p.399-406)

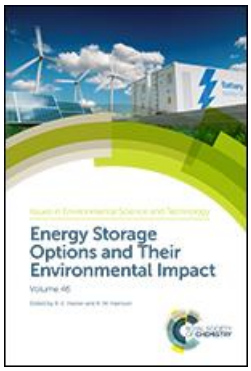
ISBN: 9780128213650

Subjects Terms: Electric utilities Electric power plants State electricity regulations Electricity managemen Econometrics Cost models

336.532.2 GRE-E

176930; CL

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Energy storage options and their environmental impact edited by R. E. Hester and R. M. Harrison - London: RSC Press, 2019 - xvi, 333p. - Issues in environment science and technology

Includes bibliography and index (p. 320-333)

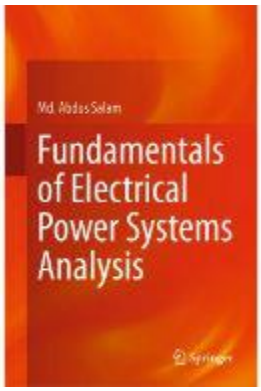
ISBN: 9781788013994

Subjects Terms: Thermal storage Smart energy system Thermochemical storage Electrochemical energy storage Air energy storage

621.355 -ENE

176923; CL

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Fundamentals of electrical power systems analysis by Md. Abdus Salam - Singapore: Springer, 2020 - xvi, 545p. -

Includes bibliography and index (p.543-545)

ISBN: 9789811532115

Subjects Terms: Electrical power EMF equation Steam power station Symmetrical faults Power system harmonics

621.311 SAL-F

176941; CL

Click here for more details



Mechanical measurements by S.P. Venkateshan - 2nd ed. - New Delhi: Ane Books Pvt. Ltd. 2015 - xxii, 522p. -

Includes bibliography and index (p. 517-522)

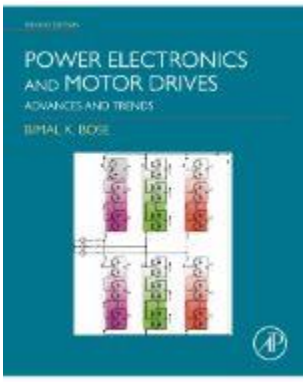
ISBN: 9789383656912

Subjects Terms: Error analysis Acceleration Capacitance Piezoelectric constant Heat transfer coefficient

621-79 VEN-M

176910; CL

Click here for more details



Power electronics and motor drives advances and trends by Bimal K. Bose - 2nd ed. - London: Academic Press, 2021 - xx, 1088p. -

Includes bibliography and index (1069-1088p.)

ISBN: 9780128213605

Subjects Terms: Semiconductor devices Electric motors Voltage-source converts Genetic algorithm Fuel cells

621.311 BOS-P

176924; CL

Click here for more details



Power electronics by M D Singh and K B Khanchandani - 2nd ed. - Chennai McGraw Hill Education 2007 - xiii, 1071p. - Electrical and electronics engineering series

Includes bibliography and index (p. 1057-1071)

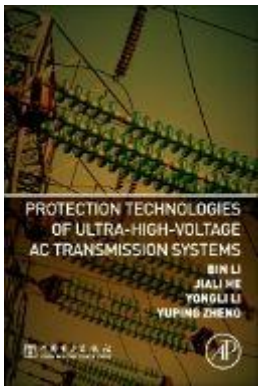
ISBN: 9780070583894

Subjects Terms: Semiconductor devices Anode - cathode characteristics Thyristor Cylcoconverters Dual converters

621.38 SIN-P

176975; CL

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Protection technologies of ultra-high-voltage AC transmissions systems by Bin Li... (et al.) - London: Elsevier, 2020 - vii, 242p. -

Includes bibliography and index (p. 239-242)

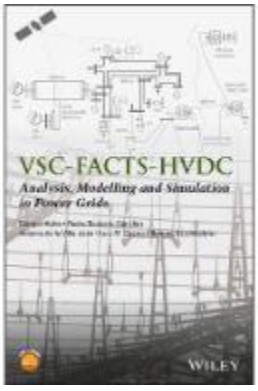
ISBN: 9780128162057

Subjects Terms: Electromagnetic environment Zero- sequence current Protection configuration Transmission line model Overvoltge

621.315.3.025 -PRO

176942; CL

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VSC-FACTS-HVDC analysis, modelling and simulation in power grids by Enrique Acha...(et.al) – Hoboken: Wiley, 2019 - xxiii, 389p. -

Includes bibliography and index (375-389p.)

ISBN: 9781119973980

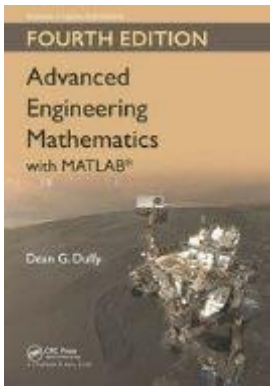
Subjects Terms: Flexible Electrical Energy Systems Flexible Transmission System Conventional Systems VAR Compensation Smart Grids Power Electronics

621.315 -VSC

176948; CES

Click here for more details

Mathematics



Advanced engineering mathematics with MATLAB by Dean G. Duffy - 5th ed - Boca Raton: CRC Press, 2022 - xviii,595 p. - Advances in applied mathematics

Includes bibliography and index (p. 589-595)

ISBN: 9780367624057

Subjects Terms: Separation of variables Sturm-liouville problem Laplace's equations Linear algebra Vector calculus Fourier transform

51:681.3.06M DUF-A

176927; CL

Click here for more details



Finite elements I approximation and interpolation by Alexandre Ern and Jean-Luc Guermond – Switzerland: Springer, 2021 - xii, 325p. - Texts in applied mathematics

Include bibliography and index (p. 313 -325)

ISBN: 9783030563424

Subjects Terms: Lebesgue space Weak deviation Sobolev spaces Density Tangential traces Local interpolation

517.949 ERN-F

176921; CL

Click here for more details



Finite elements III first-order and time-dependent PDEs by Alexandre Ern and Jean-Luc Guermond - Switzerland: Springer, 2021 - viii, 417p. - Texts in applied mathematics

Includes bibliography and index (p.401- 417)

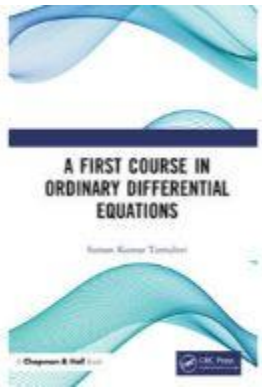
ISBN: 9783030573492

Subjects Terms: Model problem Stability analysis Subgrid viscosity Discontinuous galerkin Artificial compressibility

517.949 ERN-F

176922; CL

Click here for more details



First course in ordinary differential equations by Suman Kumar Tumuluri - Boca Raton: CRC Press, 2021 - xiii, 323p. -

Includes bibliography and index (p.317-323)

ISBN: 9780815359838

Subjects Terms: Differential operators Differential inequalities Boundary value problems Perturbed linear systems Laplace transforms

517.925.7 TUM-F

176950; CL

Click here for more details



Introduction to C*-Algebras and the classification program by Karan R. Strung - Switzerland: Springer, 2021 - xii, 322 p. - Advanced courses in mathematics, CRM Barcelona

Includes bibliography and index (307-322p.)

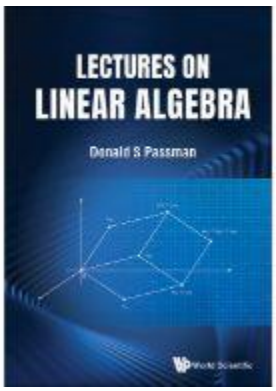
ISBN: 9783030474645

Subjects Terms: Ordered algebraic structures Algebra Functional analysis Jiang-su algebra Cuntz semigroup

512 STR-I

176909; CL

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Lectures on linear algebra by Donald S. Passman - Hackensack: World Scientific, 2022 - viii, 244p. -

Includes bibliography and index (239-244p.)

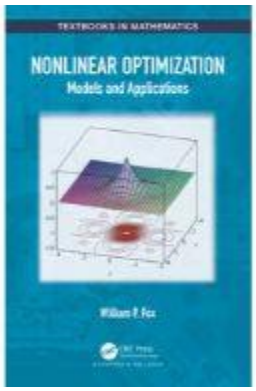
ISBN: 9789811254994

Subjects Terms: Symmetric Matrices Infinite Dimensional spaces Vector spaces Linear transformations Determinants Bilinear Forms

512.64 DON-L

176928; CL

Click here for more details



Nonlinear optimization models and applications by William P. Fox - Boca Raton: CRC Press, 2021 - xxi, 394p. - Textbooks in mathematics

Includes bibliography and index (p.389-394)

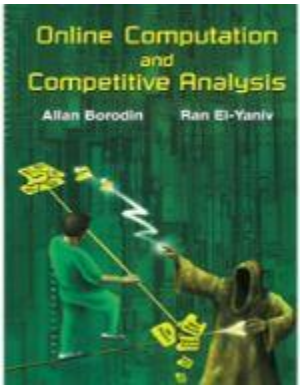
ISBN: 9780367444150

Subjects Terms: Mathematical optimization Nonlinear theories Differential calculus Machine learning Optimization search techniques

517.988 FOX-N

176929; CL

Click here for more details



Online computation and competitive analysis by Allan Borodin and Ran El-Yaniv - Cambridge: Cambridge University Press 2005 - xviii, 414p. -

Includes bibliography and index (389-414p.)

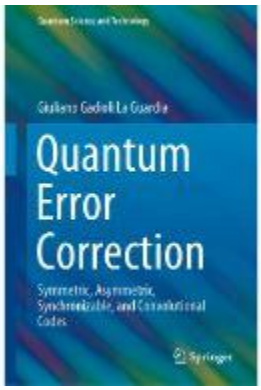
ISBN: 9780521619462

Subjects Terms: Mathematical optimization Computational complexity Computer algorithms Competitive analysis: Randomized algorithms Metrical task systems

681.3:510.52 BOR-O

176949; CL

Click here for more details



Quantum error correction symmetric, asymmetric, synchronizable and convolutional codes by Giuliano Gadioli La Guardia - Switzerland: Springer, 2020 - xiii, 227p. - Quantum science and technology

Includes bibliography and index (p.217-227)

ISBN: 9783030485535

Subjects Terms: Quantum computers Electrical engineering Coding theory Spintronics Error-correcting codes

530.145 GUA-Q

176907; CL

Click here for more details



Spread of almost simple classical groups by Scott Harper - Switzerland: Springer, 2021 - viii, 154p. - Lecture notes in mathematics

Includes bibliography and index (p.149-151)

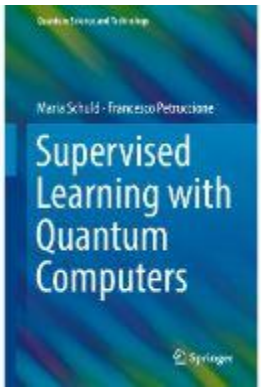
ISBN: 9783030740993

Subjects Terms: Group theory Maximal subgroups Finite simple groups Shintani Descent Automorphisms

512.542.5 HAR-S

176908; CL

Click here for more details



Supervised learning with quantum computers by Maria Schuld and Francesco Petruccione – Cham: Springer, 2018 - xiii, 287p. - Quantum science and technology

Includes bibliography and index (p.281-287)

ISBN: 9783319964232

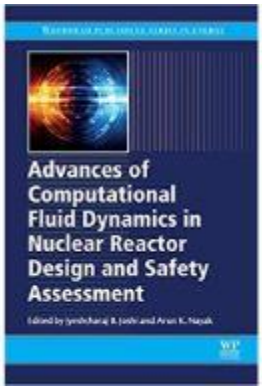
Subjects Terms: Polynomial Probabilistic model Artificial intelligence Pattern perception Amplitude encoding

530.145:681.3 SCH-S

176970; CL

Click here for more details

Mechanical Engineering



Advances of computational fluid dynamics in nuclear reactor design and safety assessment edited by Jyeshtharaj B. Joshi and Arun K. Nayak. – Duxford: Woodhead Publishing, 2019 - xiii, 869p. - Woodhead publishing series in energy

Includes bibliography and index (p.846-869)

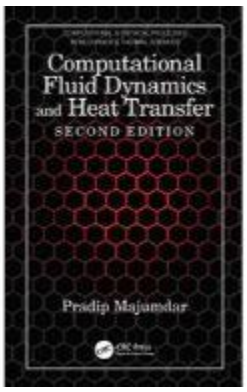
ISBN: 9780081023372

Subjects Terms: Coolant mixing Nuclear energy Fluid dynamics Industrial perspective Reactor analysis

532.5:539.17 -ADV

176943; CL

Click here for more details



Computational fluid dynamics and heat transfer by Pradip Majumdar - 2nd ed. - Boca Raton: CRC Press, 2022 - xvii, 676p. - Series in computational and physical processes in mechanics and thermal sciences

Includes bibliography and index (663-676p.)

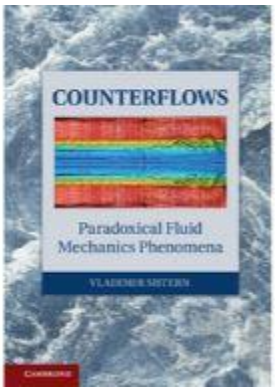
ISBN: 9781498703741

Subjects Terms: Numerical Analysis Computational Model Finite Element Method Multidimensional Problems Element Shape Functions

532.5:536.2 MAJ-C

176940; 176951; CL; ME

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Counterflows paradoxical fluid mechanics phenomena by Vladimir Shtern – Cambridge: Cambridge University Press 2012 - xiv, 470p. -

Includes bibliography and index (p. 457-470)

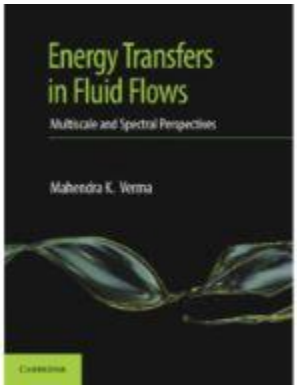
ISBN: 9781107027596

Subjects Terms: Swirl effect Accumulation Bifurcation of Swirl Meniscus flow Stability

532.5 SHT-C

176971; ME

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Energy transfers fluid flows multiscale and spectral perspectives by Mahendra K. Verma - Cambridge: Cambridge University Press, 2019 - xxiv, 541p. -

Includes bibliography and index (p.527-541)

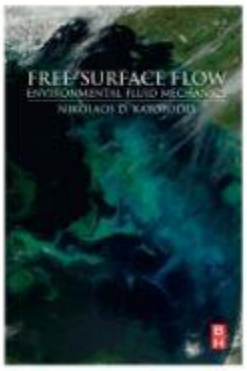
ISBN: 9781107176195

Subjects Terms: Multiphase flow Mathematical turbulence models Fluid dynamics Helical turbulence Hydrodynamics Thermal convection

536.72:532.5 VER-E

176944; CL

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Free-surface flow environmental fluid mechanics by Nikolaos D. Katopodes - Cambridge: Elsevier, 2019 - xxxv, 986p. -

Include bibliography and index (p. 973-986)

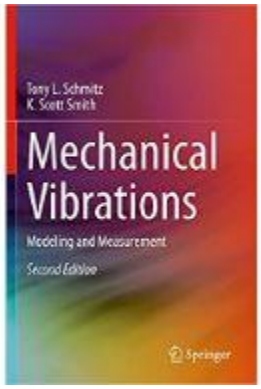
ISBN: 9780128154892

Subjects Terms: Reductionism Fluid density Reflection Direction cosines Simple harmonic motion

532.65 KAT-F

176934; CL

Click here for more details



Mechanical vibrations modeling and measurement by Tony L. Schmitz and K. Scott Smith - 2nd ed. - Switzerland: Springer, 2021 - xii, 430p. -

Includes bibliography and index (p.421-430)

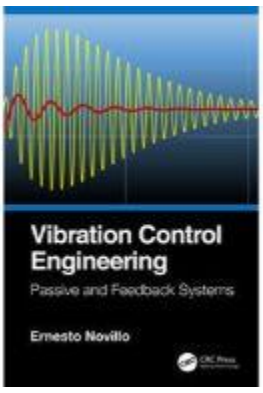
ISBN: 9783030523466

Subjects Terms: Vibration engineering Vibration - Mathematical models Vibration - Measurement Applied Mechanics Modal Analysis - vibration freedom

621-752 SCH-M

176932-176933; CL; ME

Click here for more details



Vibration control engineering passive and feedback systems by Ernesto Novillo - Boca Raton: CRC Press, 2022 - xxv, 353p. -

Includes bibliography and index (p.348-353)

ISBN: 9781032006994

Subjects Terms: Vibration absorbers Motion Neutralization Dynamic systems Turbo machines Natural frequency

534.83:62 NOV-V

176935; CL

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Vibration problems in machines diagnosis and resolution by Arthur W. Lees - 2nd ed. - Boca Raton: CRC Press, 2020 - xvii, 361p. -

Includes bibliography and index (p.353-361)

ISBN: 9780367367756

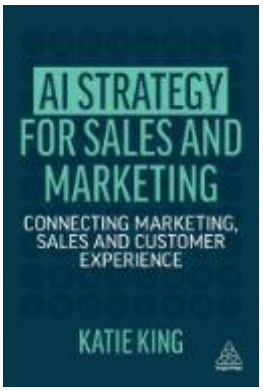
Subjects Terms: Machinery - vibration Machines - faults Machine problems analysis Machine classification Machines - modeling

621-752 LEE-V

176972; CL

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Management Studies



AI strategy for sales and marketing connecting marketing, sales and customer experience by Katie King - London: Kogan Page, 2022 - xiii, 274 p. -

Includes bibliography and index (p. 258-274)

ISBN: 9781398602007

Subjects Terms: AI for marketing AI for sales Manufacturing sectors Automotive sector AI data Robot revolution

658.8:681.3 KIN-A

177003-177004; GS; MS

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Amazon how the world's most relentless retailer will continue to revolutionize commerce by Natalie Berg and Miya Knights - 2nd ed - New York: Kogan Page, 2022 - viii, 313p. -

Includes bibliography and index (296-313p.)

ISBN: 9781398601420

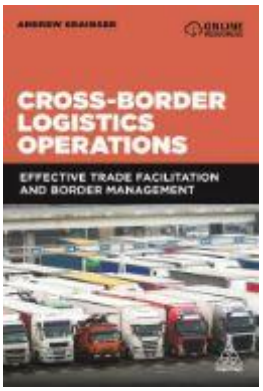
Subjects Terms: Amzon-golden age Digital transformation Artificial intelligence Supply chain complexity Digital customer experience

658.87 BER-A

177005; GS

Click here for more details

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Cross-border logistics operations effective trade facilitation and border management by Andrew Grainger - London: Kogan Page, 2021 - xxxii, 277p. -

Includes bibliography and index (266-277p.)

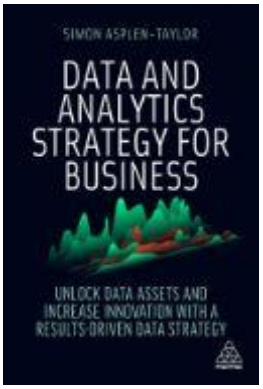
ISBN: 9781789666724

Subjects Terms: Business logistics Customs administration Customs declarations Prevailing trade Import duties

658.788 GRA-C

177006; GS

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Data and analytics strategy for business unlock data assets and increase innovation with a results-driven data strategy by imon Asplen-Taylor - London: Kogan Page, 2022 - xvi, 305p. -

Includes bibliographical references and index(300-305p.)

ISBN: 9781398606050

Subjects Terms: Management-statistical methods Data mining Risk management Data governance Data science

658:005.21 ASP-D

176976; GS

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Digital branding a complete step-by-step guide to strategy, tactics, tools and measurement by Daniel Rowles - 3rd ed. - London: Kogan Page, 2022 - xi, 216p. -

Includes bibliography and index(213-216p.)

ISBN: 9781398603189

Subjects Terms: Digital brand strategy Internet marketing Reputation Success-business Transmedia campaigns

658.8:681.5 ROW-D

176977; GS

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Digital marketing strategy by Simon Kingsnorth an integrated approach to digital marketing - 3rd ed. - London: Kogan Page, 2022 - xvii, 384p. -

Includes bibliography and index (389-399p.)

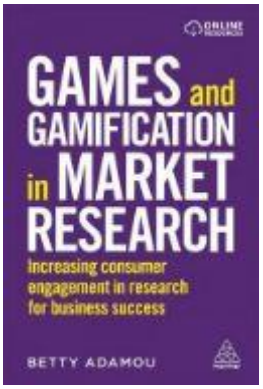
ISBN: 9781398605978

Subjects Terms: Strategic planning Internet marketing Electronic commerce-management Digital ecosystem Digital consumer

658.8:681.5 KIN-D

176978-176979; GS; MS

Click here for more details



Games and gamification in market research increasing consumer engagement in research for business success by Betty Adamou - London: Kogan Page, 2019 - xxii, 333p. -

Includes Bibliography and Index (327-333p.)

ISBN: 9780749483357

Subjects Terms: Marketing research Research-methodology Game theory Organizational behavior Organizational effectiveness

658.8:519.813 ADA-G

176984; GS

Click here for more details



Global contract logistics best practice toolkit for planning, negotiating and managing a contract by Steven Morgan - London: Kogan Page, 2020 - xii, 205p. -

Includes bibliography and index (199-205p.)

ISBN: 9780749475932

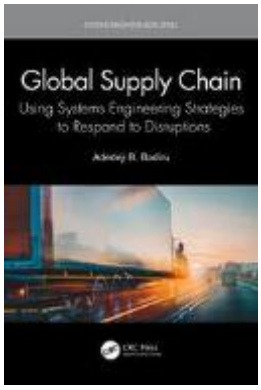
Subjects Terms: Public contracts Negotiation- business Contracting out- Planning Self development Human resource management

658.78 MOR-G

176985; MS

Click here for more details

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Global supply chain using systems engineering strategies to respond to disruptions by Adedeji Badiru - Boca Raton: CRC Press, 2022 - xvii, 159p. - Systems innovation book series

Includes bibliography and index(156-159p.)

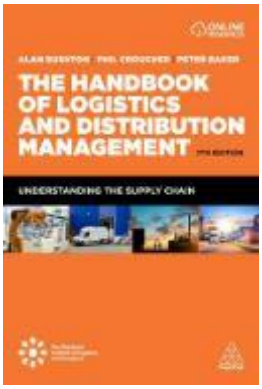
ISBN: 9780367630379

Subjects Terms: Supply chain structure Business logistics Industrial engineering techniques Supplier selection Systems models-supply chain

658.7./.8:681.3 BAD-G

176986; GS

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Handbook of logistics and distribution management understanding the supply chain by Alan Rushton, Phil Croucher and Peter Baker - 7th ed. - London: Kogan Page, 2022 - xxx, 792p. -

Includes bibliography and index (765-792p.)

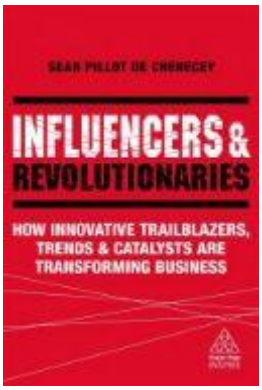
ISBN: 9781398602045

Subjects Terms: Supply chain structure Financial impact Customer services Total quality management International logistic Business management

RL-HB 658.7(021) RUS-H

176980; GS

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Influencers and revolutionaries how innovative trailblazers, trends and catalysts are transforming business by Sean Pillot de Chenecey - London: Kogan Page, 2020 - xii, 270p. - Inspire

Including Bibliography and Index (241-270)

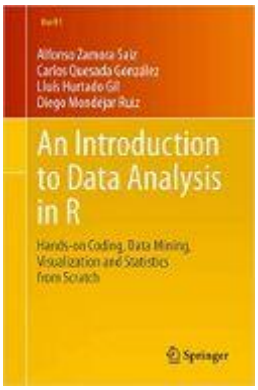
ISBN: 9780749498689

Subjects Terms: Strategic planning Product design Business enterprises Marketing Branding Psychological persuasion

659.23:658.589 PIL-I

176981-176982; GS; MS

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Introduction to data analysis in R hands-on coding, data mining, visualization and statistics from scratch by Alfonso Zamora Saiz...(et al.) - Switzerland: Springer, 2020 - xv, 276p. - Use R!

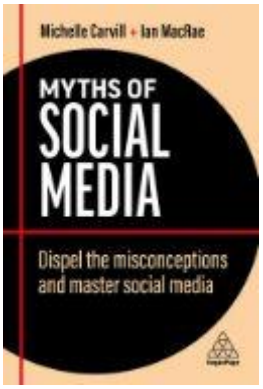
ISBN: 9783030489960

Subjects Terms: Programming Languages Big data Control structures Multivariate statistics Geometry

681.3.06R INT

176983; GS

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Myths of social media dismiss the misconceptions and use social media effectively in business by Michelle Carvill and Ian MacRae - 2nd - London: Kogan page, 2020 - xiii, 226p. - Business myths

Includes bibliography and index (p. 215-226)

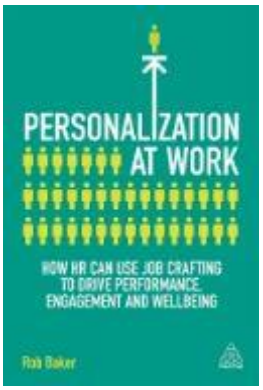
ISBN: 9780749498719

Subjects Terms: Information technology-management Internet marketing Digital natives Internal communication Mass media

658.84:316.772.5 CAR-M

176989; MS

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Personalization at work how HR can use job crafting to drive performance, engagement and wellbeing by Rob Baker - London: Kogan Page, 2020 - xx, 204p. -

Includes bibliography and index(197-204p.)

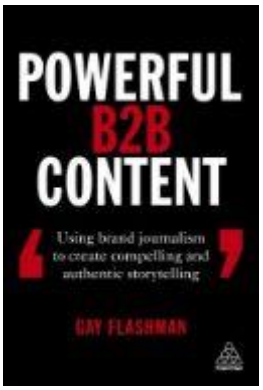
ISBN: 9781789662948

Subjects Terms: Personnel management Well-being Employee motivation Scientific management Work design Human resource management

658.310.42 BAK-P

176987-176988; GS; MS

Click here for more details



Powerful B2B content using brand journalism to create compelling and authentic storytelling Gay Flashman - London: Kogan Page, 2020 - xiv, 224p. -

Includes bibliography and index(217-224p.)

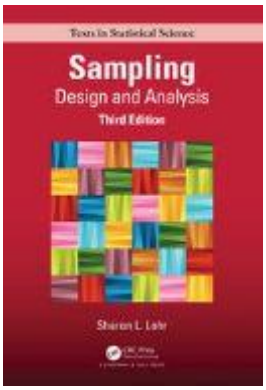
ISBN: 9781789660999

Subjects Terms: Industrial marketing Branding Newsroom approach Storytelling strategy Metrics framework

659.11:070 FLA-P

176990-176991; GS; MS

Click here for more details



Sampling design and analysis by Sharon L. Lohr - 3rd ed. - Boca Raton: CRC Press, 2022 - xxiii, 650p. - Texts in statistical science series

Includes bibliography and index (593-650p.)

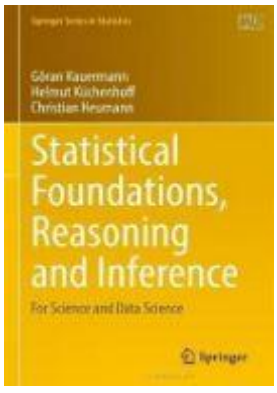
ISBN: 9780367279509

Subjects Terms: Questionnaire Design Nonsampling errors Sampling weights Random sampling Computer programs

519.243 LOH-S

176992; GS

Click here for more details



Statistical foundations, reasoning and inference for science and data science by Goran Kauermann, Helmut Kuchenhoff and Christian Heumann - Switzerland: Springer, 2021 - xiii, 356p. - Springer series in statistics

Includes bibliography and index(347-356p.)

ISBN: 9783030698263

Subjects Terms: Mathematical statistics Statistics-methodology Artificial intelligence Data mining Data structures

519.2 KAU-S

176993; GS

Click here for more details

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Strategy sprints 12 ways to accelerate growth for an agile business by Simon Severino - London: Kogan Page, 2022 - xvi, 180p. -

Includes bibliography and index (175-180p.)

ISBN: 9781398603493

Subjects Terms: Strategic planning Organizational change Business enterprises-Growth Business planning Success business Total quality management

658:659.11 SEV-S

176995-176996; GS; MS

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Strategy-driven supply chain integrating strategy, finance and supply chain for a competitive edge by Bram DeSmet - London: Kogan Page, 2021 - xxxiv, 278p. -

Include bibliography and index (271-278p.)

ISBN: 9781398600454

Subjects Terms: Business strategy Marketing channels-management Materials management Goods delivery-Management Business logistics-management

658.7./8.:681.3 DES-S

176994; GS

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Sustainability to social change lead your company from managing risks to creating social value by Philip H. Mirvis and Bradley K. Googins - London: Kogan Page, 2022 - xiii, 264p. -

Includes Bibliography and Index (231-241p.)

ISBN: 9781398604353

Subjects Terms: Organizational change Risk management Company handprint Social responsibility-business Social values

658:316.42 MIR-S

176997-176998; GS; MS

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Understanding digital marketing a complete guide to engaging customers and implementing successful digital campaigns by Damian Ryan - 5th ed. - London: Kogan Page, 2021 - xxii, 426 p. -

Includes bibliography and index (p. 419-426)

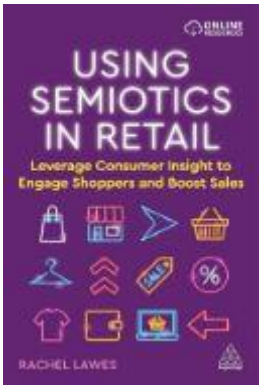
ISBN: 9781789666014

Subjects Terms: Digital transformation Email marketing Mobile marketing Social media Content marketing Programmatic marketing

658.8:681.5 RYA-U

176999-177000; GS; MS

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Using semiotics in retail leverage consumer insight to engage shoppers and boost sales by Rachel Lawes - London: Kogan Page, 2022 - xxii, 271 p. -

Includes bibliography and index (p. 263-271)

ISBN: 9781398603820

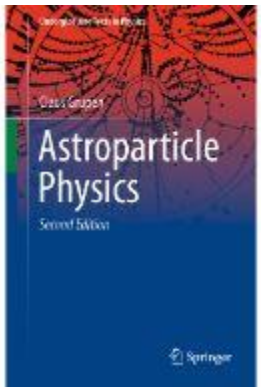
Subjects Terms: Semiotics in real-world retail Retail marketing Shopper needs Future of business Future of consumers Unilever uses semiotics

658.87:519.76 LAW-U

177001-177002; GS; MS

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Physics



Astroparticle physics by Claus Grupen - 2nd ed. – Cham: Springer, 2020 - xvii,609 p. - Undergraduate texts in physics

Includes bibliography and index (p. 513-609)

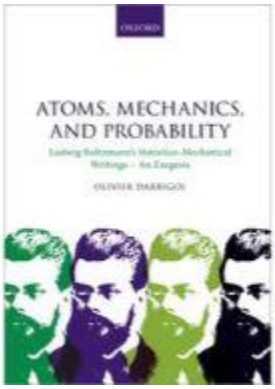
ISBN: 9783030273415

Subjects Terms: Horizon Monopole Density Detection Accelerators

524 GRU-A

177015; CL

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Atoms, Mechanics, and Probability Ludwig Boltzmann's statistico-mechanical writings - an exegesis by Olivier Darrigol – Oxford: Oxford university press, 2021 - xxvi,612 p. -

Includes bibliography and index (p. 581-612)

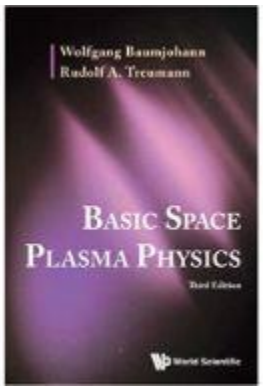
ISBN: 9780192844712

Subjects Terms: Consolidation Analogical Gas theory Polyatomic Molecules

538.56:531.19 DAR-A

177025; CL

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Basic space plasma physics by Wolfgang Baumjohann and Rudolf A. Treumann - 3rd ed. – Singapore: World Scientific Co. Pte Ltd., 2022 - xx,506 p. -

Includes bibliography and index (p. 501-506)

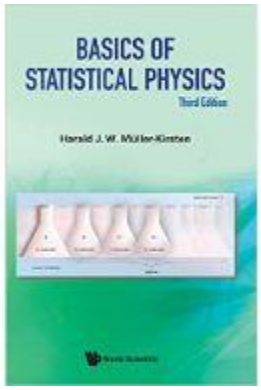
ISBN: 9789811254406

Subjects Terms: Geophysical plasmas Single partial motion Resonance Magnetohydrodynamics Wave Kinetic theory

533.9 BAU-B

177019; CL

Click here for more details



Basics of Statistical Physics by Harald J. W. Muller-Kirsten - 3rd ed. - Muller- Singapore: World Scientific Co. Pte. Ltd., 2022 - xvi,254 p. -

Includes bibliography and index (243-254 p.)

ISBN: 9789811256097

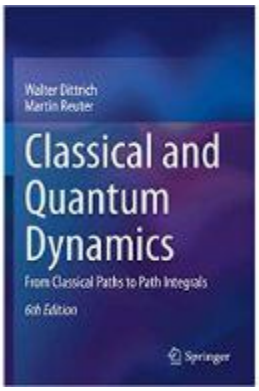
Subjects Terms: Thermal Black holes Capacity Heat Statistical mechanics

531.19 KIR-B

177018; CL

Click here for more details

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Classical and quantum dynamics from classical paths to path integrals by Walter Dittrich and Martin Reuter - 6th ed. – Cham: Springer, 2020 - x,563 p. -

Includes bibliography and index (p. 557-563)

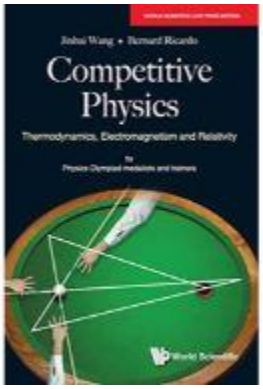
ISBN: 9783030367886

Subjects Terms: Nonlinear theories Conjugate points Hamiltonian systems Nuclear physics Jacobi fields

530.145 DIT-C

177042; CL

Click here for more details



Competitive physics thermodynamics, electromagnetism and relatively by Jinhui Wang and Bernard Richardo – Singapore: World Scientific Publishing Co. Pte. Ltd., 2022 - xiv,946 p. -

Includes bibliography and index (p. 943-946)

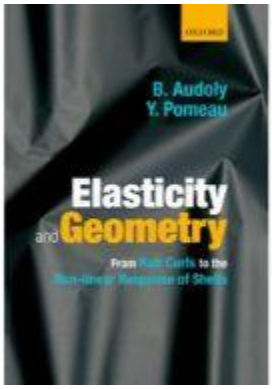
ISBN: 9781944660017

Subjects Terms: Reflection Gas flow Heat capacity Active transformations Relativistic energy

536.7:537.8 WAN-C

177044; CL

Click here for more details



Elasticity and geometry from hair curls to the non-linear response of shells by B. Audoly and Y. Pomeau – Oxford: Oxford University Press, 2018 - x,586 p. -

Includes bibliography and index (581-586 p.)

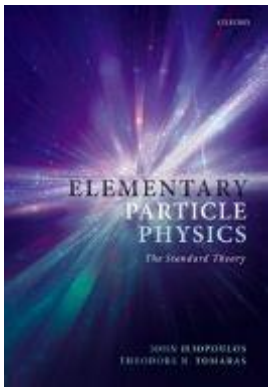
ISBN: 9780198826262

Subjects Terms: Twist Deformed rod Torques Euler column Clamped edge

539.52 :514 AUD-E

177051; CL

Click here for more details



Elementary particle physics the standard theory by John Iliopoulos and Theodore N. Tomaras – Oxford: Oxford university press, 2021 - xiii, 506p. -

Includes bibliography and index (493-506p.)

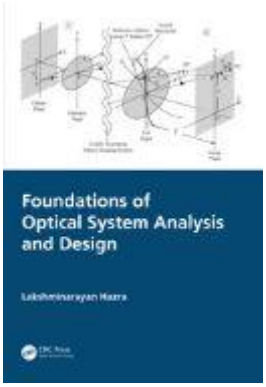
ISBN: 9780192844217

Subjects Terms: Nuclear physics Perturbation theory Electromagnet Quantum physics Group theory

539.12 ILI-E

177049; CL; PH

Click here for more details



Foundations of optical system analysis and design by Lakshminarayan Hazra - Boca Raton: CRC Press, 2022 - xxvii, 746p. -

Includes bibliography and index (735-746p.)

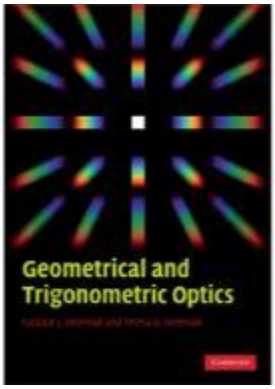
ISBN: 9781498744928

Subjects Terms: lens optics Paraxial optics Optical imaging Monochromatic aberrations Optical image formation

535.317.2 HAZ-F

177029; CL

Click here for more details



Geometrical and trigonometric optics by Eustace L. Dereniak and Teresa D. Dereniak – Cambridge: Cambridge university press 2008 - x,409 p. -

Includes bibliography and index (402-409 p.)

ISBN: 9780521887465

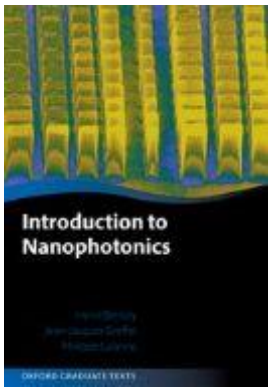
Subjects Terms: Wave front Pinhole camera Lense Diffraction Real image

535.31 DER-G

177057; CL

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Introduction to nanophotonics by Henri Benisty, Jean-Jacques Greffet and Philippe Lalanne - Oxford: Oxford university press, 2022 - xiv,655 p. - Oxford: graduate texts

Includes bibliography and index (p. 627-655)

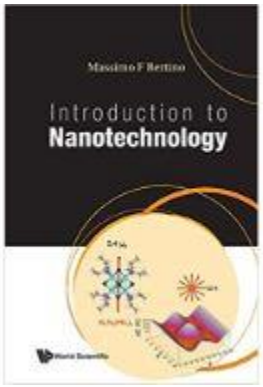
ISBN: 9780198786139

Subjects Terms: Maxwell equation Green function Antennas Polarization Absorption

535.14:620.3 BEN-I

177026; CL

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Introduction to nanotechnology by Massimo F Bertino – Singapore: World Scientific Co. Pte. Ltd., 2022 - xi,222 p. -

Includes bibliography and index (p. 220-222)

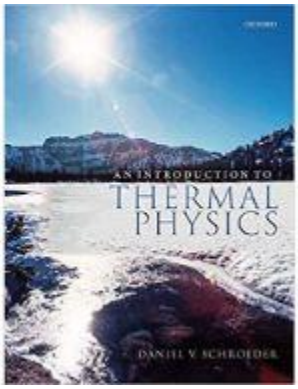
ISBN: 9789811233036

Subjects Terms: Diffraction Spectrometry Superparamagnetism Plasmons Solar cells

620.3 BER-I

177020-177021; GS; PH

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Introduction to thermal physics by Daniel V. Schroeder – Oxford: Oxford University Press, 2021 - xii, 422p. -

Includes bibliography and index (406-422p.)

ISBN: 9780192895547

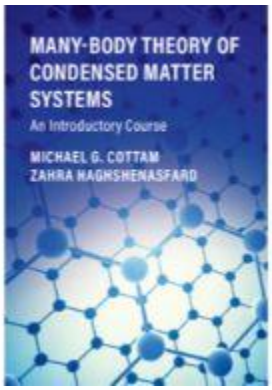
Subjects Terms: Thermodynamics Statistical mechanics Statistical physics Chemical thermodynamics Interacting gases

536.7 SCH-I

177048; CL

Click here for more details

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Many- body theory condensed matter systems an introductory course by Maichael G. Cottam and Zahra Haghshenasfard – Cambridge: Cambridge University Press, 2020 - xiv,274 p. -

Includes bibliography and index (265-274 p.)

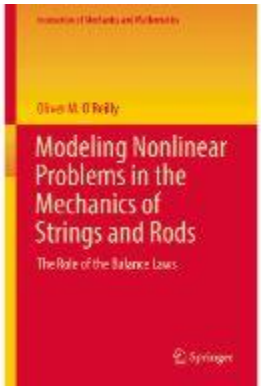
ISBN: 9781108488242

Subjects Terms: Annihilation Harmonic Spectral representation Scattering Ferromagnets

530.145 COT-M

177052; CL

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Modeling nonlinear problems in the mechanics of strings and rods the role of the balance laws by Oliver M.O'Reilly – Cham: Springer, 2017 - xx,425 p. - Interaction of mechanics and mathematics

Includes bibliography and index (p. 393-425)

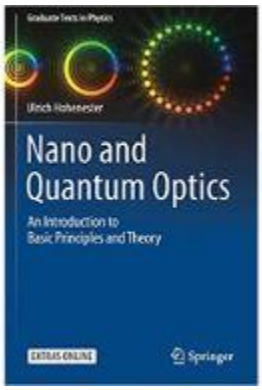
ISBN: 9783319505961

Subjects Terms: Divergence Traction Tensors Inextensible Buckling

531.259.1-037.7 REI-M

177056; CL

Click here for more details



Nano and quantum optics an introduction to basic principles and theory by Ulrich Hohenester – Cham: Springer, 2020 - xii,665 p. - Graduate texts in physcis

Includes bibliography and index (p. 651-665)

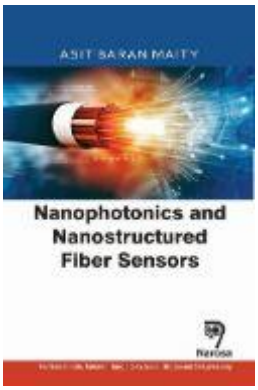
ISBN: 9783030305062

Subjects Terms: Wave equation Longitudinal fields Transverse fields Force Momentum

535.14 HOH-N

177032; CL

Click here for more details



Nanophotonics and nano-structured fiber sensors by Asit Baran Maity - New Delhi: Narosa Publishing House, 2020 - xvii,502 p. -

Includes bibliography and index (p.487-502)

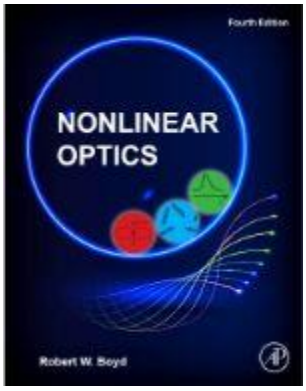
ISBN: 9788184876970

Subjects Terms: Laser Microscopy Nanolithography Resonence Carbon nanotube

535.14:620.3 MAI-N

177045; CL

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Nonlinear optics by Robert W. Boyd - 4th ed. – Oxford: Elsevier, 2020 - xxiii,609 p. -

Includes bibliography and index (601-609 p.)

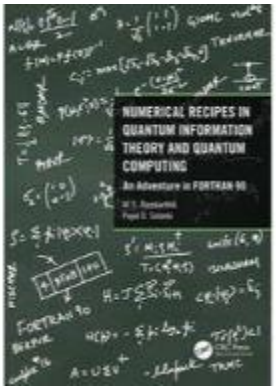
ISBN: 9780128110027

Subjects Terms: Local field effects Rayleigh Two level system Brillouin Raman effect

535.2 BOY-N

177023; CL

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Numerical recipes in quantum information theory and quantum computing an adventure in fortran 90 by M.S. Ramkarthik and Payal D. Solanki - Boca Raton: CRC Press, 2022 - xxiii,399 p. -

Includes bibliography and index (p. 397-399)

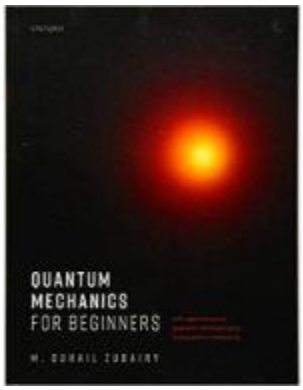
ISBN: 9780367759285

Subjects Terms: Arithmatic Declaration Dynamic arrays Matrics Hermitian

530.145 RAM-N

177055; CL

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Quantum mechanics for beginners with application to quantum communication and quantum computing by M.Suhail Zubairy - Oxford: Oxford university press, 2020 - xii,291 p. -

Includes bibliography and index (p. 289-291)

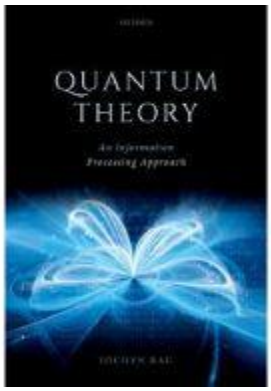
ISBN: 9780198854234

Subjects Terms: Bell basis Malus' Law De Broglie waves Hydrogen Spectrum Rayleigh

530.145 ZUB-Q

177046; CL

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Quantum theory an information processing approach by Jochen Rau – Oxford: Oxford University Press, 2021 - xiv,272 p. -

Includes bibliography and index(261-272 p.)

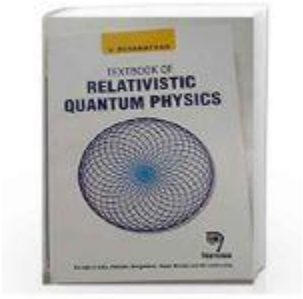
ISBN: 9780192896315

Subjects Terms: Logic Composition Specker's cakes Pauli basis Simulation

530.145 RAU-Q

177024; CL

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Textbook of relativistic quantum mechanic by V. Devanathan – New Delhi: Narosa Publisher, 2018 - ix, 250p. -

Includes bibliography and index (356-363p.)

ISBN: 9788184876185

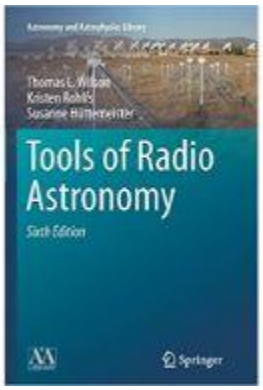
Subjects Terms: Schrodinger equation Klein-Gordon equation Dirac equation Quantum electrodynamics Feynman diagrams Radiative corrections

530.145:530.12 DEV-T

177047; CL

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Tools of radio astronomy by Thomas L. Wilson, Kristen Rohlfs and Susanne Huttemeister - 6th ed. – Cham: Springer 2014 - xv,609 p. - Astronomy and astrophysics library

Includes bibliography and index(p. 595-609)

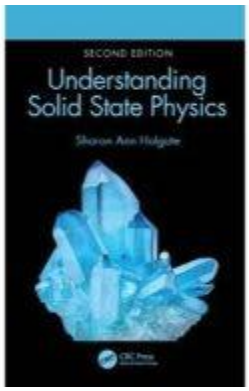
ISBN: 9783662517321

Subjects Terms: Microwaves Exobiology Optical engineering Spectrum Zeeman effect

520 WIL-T

177007; CL

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Understanding solid state physics by Sharon Ann Holgate - 2nd ed. - Boca Raton: CRC Press, 2021 - xxiii,367 p. -

Includes bibliography and index (p. 363-367)

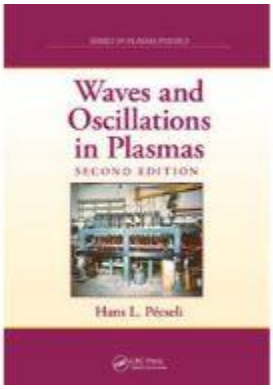
ISBN: 9780367249854

Subjects Terms: Diclocation Tensile testing Laue method Quantum Fermi energy

539.2 HOL-U

177043; CL

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Waves and oscillations in plasmas by Hans L. Pecseli - 2nd ed. - Boca Raton: CRC press, 2020 - xvi,537 p. - Series in plasma physics

Includes bibliography and index (511-537 p.)

ISBN: 9781032236421

Subjects Terms: Pulse Poynting Electromagnetic Frequency Langmuir

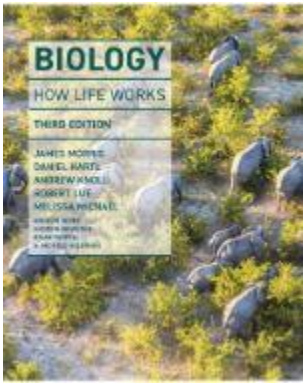
533.95 PEC-W

177016; CL

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School of Biological Sciences



Biology how life works by James Morris...(etal.) - 3rd ed. - New York: Macmillan International, 2019 - lxi,1115 p. -

Includes bibliography and index (p. G-1/I-25)

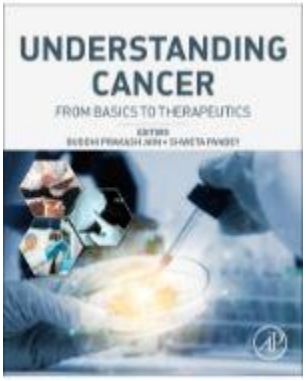
ISBN: 9781319248048

Subjects Terms: Inheritance Chromosome Mutation Genome Heridity

57.01-BIO

177041; CL

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Understanding cancer from basics to therapeutics edited by Buddhi Jain and Shweta Pandey - London: Elsevier, 2022 - xiii, 294p. -

Includes bibliography and index (283-294p.)

ISBN: 9780323998833

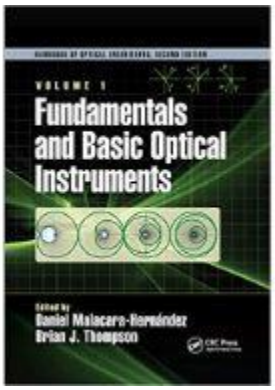
Subjects Terms: Malignant tumors Neoplasm Hyperplasia Dysplasia Angiogenesis Etiology-cancer

616-006.6-72 -UND

177039-177040; CL; SBS

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Sensors Instrumentation & Cyber-physical System Engineering



Fundamentals and basic optical instruments edited by Daniel Malacara-Hernández and Brian J. Thompson - 2nd ed. - Boca Raton: CRC Press, 2019 - ix,456 p. - Optical science and engineering

Includes bibliography and index (447-456 p.)

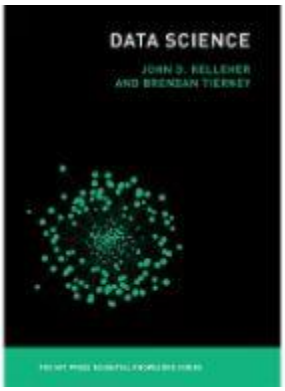
ISBN: 9780367872960

Subjects Terms: Reflection Polorization Telescope Prims Lens

535.8 -FUN

177050; CL

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Data science by John D. Kelleher and Brendan Tierney - London: MIT Press, 2018 - xi, 264p. - MIT press essential knowledge series

Includes bibliography and index (p. 256-264)

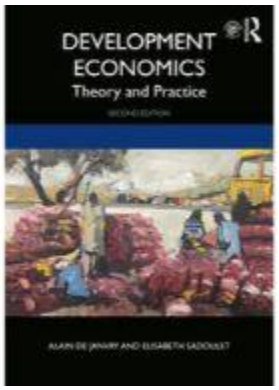
ISBN: 9780262535434

Subjects Terms: Standards Privacy Science ecosystem Quantitative research Decision making

681.3 KEL-D

176969; CL

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Development economics theory and practice by Alain De Janvry and Elisabeth Sadoulet - 2nd ed. - New York: Routledge, 2021 - xxiv, 548p. -

Includes bibliography and index (p.543-548)

ISBN: 9780367456474

Subjects Terms: Economic growth International trade Industrialization strategies Exchange rate policies Social programs

330.34 JAN-D

176901-176902; CL; SPP

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Digital technology, politics, and policy-making by Fabrizio Gilardi - New York: Cambridge University Press, 2022 - 76p. - Cambridge: elements. Elements in public policy

Includes bibliography and index (60-76p.)

ISBN: 9781108744904

Subjects Terms: Digital transformation Political communication Policy making Democratic politics Government

323:681.3 GIL-D

176911; CL

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Disruptive governance towards a new policy science by Kris Hartley and Glen David Kuecker – Cambridge: Cambridge University Press, 2022 - 93 p. - Elements in public policy

Includes bibliography and index (77-89 p.)

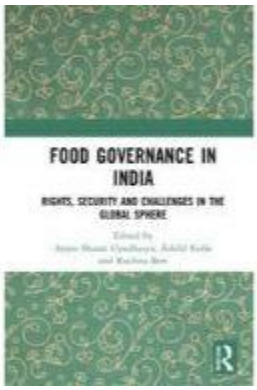
ISBN: 9781009125680

Subjects Terms: Convergence Epistemics Technocratic thinking Frankfurt thinking Predicament thinking

334.02:351 HAR-D

177058-177059; GS; SPP

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Food governance in India rights, security and challenges in the global sphere edited by Ruchita Beri, Anjoo Sharan Upadhyaya and Ashild Kolas - New York: Routledge, 2022 - xii,181 p. -

Includes bibliography and index (169-181 p.)

ISBN: 9781138347137

Subjects Terms: Biofortification Subsidized Procurement Exchange entitlements Social rights

351.778.2(540) -FOO

177066-177067; GS; SPP

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Governing as governance by Jan Kooiman - London: Sage Publication 2003 - xi, 249p. -

Includes bibliography and index (p.233-249)

ISBN: 9780761940364

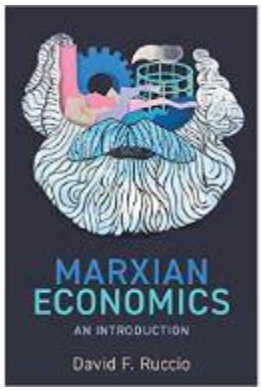
Subjects Terms: Political science Philosophy Public private sector cooperation Civil society Administration Administrative agencies

328.18 KOO-G

176903-176904; CL; SPP

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Marxian economics an introduction by David F. Ruccio – Cambridge: Polity Press, 2022 - xix, 249p. -

Includes bibliography and index (p. 237-249)

ISBN: 9781509547982

Subjects Terms: Commodities Money Debates Income inequality Elephant curve Noncapitalist iceberg

335.5 RUC-M

176906; SPP

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Methods of the policy process edited by Christopher M. Weible and Samuel Workman - New York: Routledge, 2022 - xiv, 285p. -

Includes bibliography and index (p.280-285)

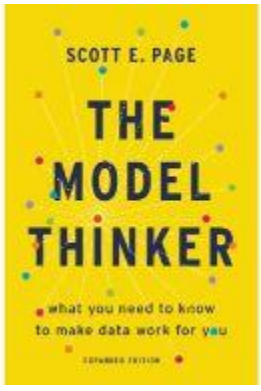
ISBN: 9781032215723

Subjects Terms: Policy sciences - Methodology Policy sciences - Research Political planning Policy process research Policy framework research

334.02 -MET

176965-176966; CL

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Model thinker what you need to know to make data work for you by Scott E. Page - New York: Basic books, 2021 - xv,445 p. -

Includes bibliography and index (p. 403-445)

ISBN: 9781541675711

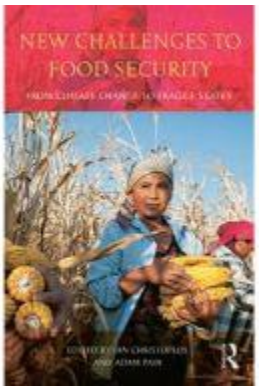
Subjects Terms: Mathematical models Social systems Markov models Concavity Bandit problems

004.81:159.955 PAG-M

177008-177009; CL; SPP

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New challenges to food security form climate change to fragile states edited by Ian Christoplos and Adam Pain - London: Routledge 2015 - xiii, 363p. -

Includes bibliography and index (p.348-363)

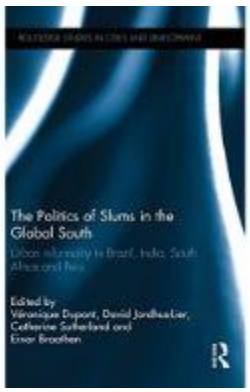
ISBN: 9780415822565

Subjects Terms: Global agriculture Legal imperative Agro- investment Historical analysis Poverty

351.778.2:551.583 - NEW

176967-176968; CL; SPP

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Politics of slums in the global south urban informality in Brazil, India, South Africa and Peru edited by Veronique Dupont...(et al.) - New York: Routledge 2016 - xvii, 230p. - Routledge studies in cities and development

Includes bibliography and index (p.223-230)

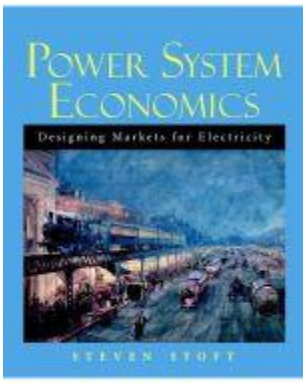
ISBN: 9781138839816

Subjects Terms: Urban policy - Developing countries City planning Low-income housing Urbanization Urban slums

316.42(1-13) -POL

176957-176958; CL; SPP

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Power system economics designing markets for electricity by Steven Stoft - New York: John Wiley, 2018 - xxiv, 468p. -

Includes bibliography and index (455-468p.)

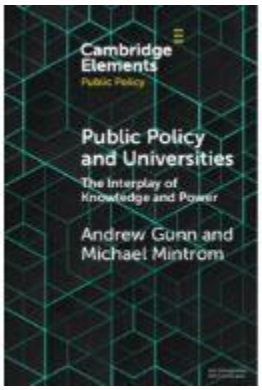
ISBN: 9780471150404

Subjects Terms: Power market fundamentals Power supply demand Market architecture Modeling market power Price spikes

621.311:33 STO-P

176947; CL

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Public policy and universities the interplay of knowledge and power by Andrew Gunn and Michael Mintrom - Cambridge: Cambridge University Press, 2022 - 72 p. -

Includes bibliography and index (p. 71-92)

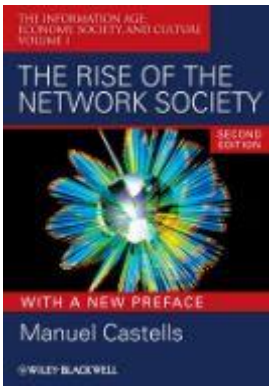
ISBN: 9781108703666

Subjects Terms: Framework Research Mission Opportunities Reassertions

334.02:378.014 GUN-P

177060-177061; CL; SPP

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Rise of the network society by Manuel Castells - 2nd ed. - West Sussex: Wiley Blackwell, 2010 - lvii, 597p . - The information age: economy, society, and culture

Includes bibliography and index (p. 512-597)

ISBN: 9781405196864

Subjects Terms: Globalisation Informationalism Informational economy Toyotism Employment

316.422.44 CAS-R

176956; CL

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Social knowledge in the making edited by Charles Camic, Neil Gross and Michele Lamont - London: University of Chicago Press, 2011 - xi, 471p. -

Includes bibliography and index (p.447-471)

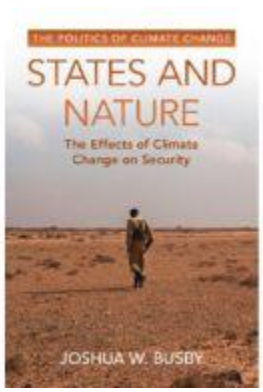
ISBN: 9780226092096

Subjects Terms: Social sciences Research Humanities Sociology Philosophical knowledge Anthropology Knowledge Production

316.64 -SOC

176952-176953; CL; SPP

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States and nature the effects of climate change on security by Joshua W. Busby - Cambridge: Cambridge University Press, 2022 - xiii, 334p. - The politics of climate change

Includes bibliography and index (p. 272-334)

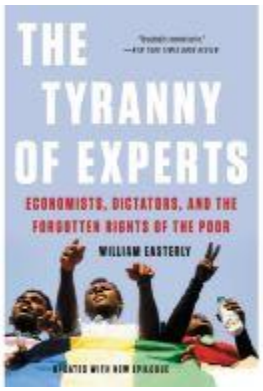
ISBN: 9781108958462

Subjects Terms: National security-climatic factors Droughts International security Communal conflict Internal conflict

327:551.583 BUS-S

176954-176955; CL; SPP

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Tyranny of experts economists, dictators, and the forgotten rights of the poor by William Easterly – New York: Basic Books, 2021 - viii,418 p. -

Includes bibliography and index (p. 405-418)

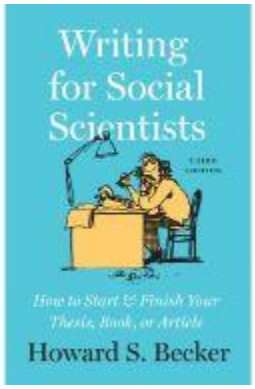
ISBN: 9781541675674

Subjects Terms: Economic policy Racism Blank slate Bogota Colonial economics

342.724:330 EAS-T

177010-177011; CL; SPP

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Writing for social scientists how to start and finish your thesis, book, or article by Howard S. Becker - 3rd ed. – Chicago: University of Chicago Press, 2020 - xii,181 p. -

Includes bibliography and index (p. 173-181)

ISBN: 9780226643939

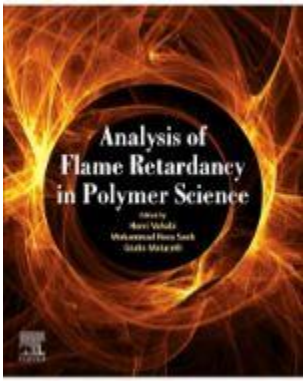
Subjects Terms: Terrorized Thinking Sociologists Frashman Authority

808.1 BEC-W

177012-177013; CL; SPP

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Analysis of flame retardancy in polymer science edited by Henri Vahabi, Mohammad Reza Saeb and Giulio Malucelli - Amsterdam: Elesvier, 2022 - xvi, 454p. -

Includes bibliography and index(p. 437-454)

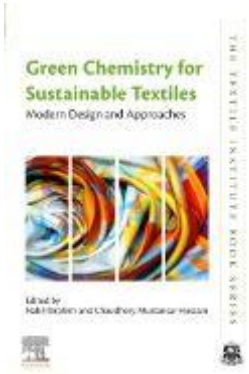
ISBN: 9780128240458

Subjects Terms: Thermal transitions Thermoplasticity Pyrolysis Combustion Microscopy Oxidative degradation Cone calorimetry

536.468:678-1 -ANA

176920; TT

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Green chemistry for sustainable textiles modern design and approaches edited by Nabil Ibrahim and Chaudhery Mustansar Hussain - Cambridge: Elsevier, 2021 - xvii, 502p. - Textile Institute book series

Includes bibliography and index (p. 491-502)

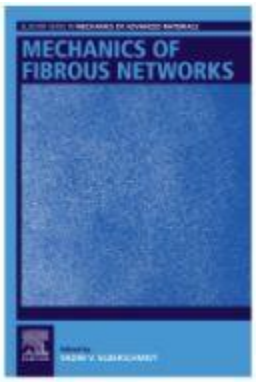
ISBN: 9780323852043

Subjects Terms: Textile chemistry Environmental aspects Water footprint Sustainable bio-sourced products Green technologies

677:54 -GRE

176913; CL

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Mechanics of fibrous networks edited by Vadim V. Silberschmidt – Amsterdam: Elsevier, 2022 - xv, 363p. - Elsevier series in mechanics of advanced materials

Includes bibliography and index (p.346-363)

ISBN: 9780128222072

Subjects Terms: Micromechanics Random fibrous media Fibre networks Ballistic response Hygro- mechanics Elasto-plastic

539.216 - MEC

176917-176918; CL; TT

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Protective textiles from natural resources edited by Md. Ibrahim H. Mondal - Cambridge: Elsevier, 2022 - xxii, 933 p. - Textile Institute book series

Includes bibliography and index (p. 881-933)

ISBN: 9780323904773

Subjects Terms: Textile fibers Protective clothing Materials Biological protection fabrics Chemical protection fabrics Contamination agents

677.042.4-PRO

176915; CL

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Sustainable technologies for textile wastewater treatments edited by Subramanian Senthilkannan Muthu - Amsterdam: Elsevier,, 2021 - x, 281p. - Textile institute book series

Includes bibliography and index (p.267-281)

ISBN: 9780323858298

Subjects Terms: Sewage - purification Sewage - environmental aspects Textile wastewater treatment Bioadsorbents - treatments Sustainable treatment methods

628.16 -SUS

176919; TT

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Department	:	Centre for Atmospheric Sciences, IITD
Year	:	2022
Supervisor	:	Dey, Sagnik (Prof.) -CAS
Physical description	:	xxiv,183p.
Subject terms	:	Water clouds; Aerosol; India
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Department	:	Department of Mathematics
Year	:	2022
Supervisor	:	Mehra, Mani (Prof.)- MA
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Department	:	Department of Electrical Engineering
Year	:	2022
Supervisor	:	Veerachary, Mummadi (Prof.)- EE
Physical description	:	xvii, 175p.
Subject terms	:	Step down converter Current analysis Voltage and current Power efficiency Current mode analysis
Barcode	:	TH6832
Call No.	:	TH 621.314.1/.5 MIS-A

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Researcher	:	Nupur, Neh
Department	:	Department of Chemical Engineering
Year	:	2022
Supervisor	:	Rathore, Anurag S. (Prof.) -CHE
Physical description	:	xxv, 199p.
Subject terms	:	Orthogonal assessment Global regulatory landscape Glycosylation Insulin Glargine Rituximab Elucidating charge Mass spectrometry
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Call No.	:	TH 615.8:547.96 NUP-A
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Researcher	:	Zargar, Arif Nissar
Department	:	Department of Biochemical Engineering and Biotechnology, IITD
Year	:	2022
Supervisor	:	Srivastava, Preeti (Assoc. Prof.) - BEB Manoj Kumar (Chief Research Manager) - Indian Oil Corporation, Faridabad
Physical description	:	xxvii, 273p.
Subject terms	:	Biodesulfurization Bionitrogenation Dearomatization Hydrogenation Elemental analysis Spectroscopy Microplate assay Haemolytic assay Silver staining Coomassie staining
Barcode	:	TH6829
Call No.	:	TH 602.44 ZAR-A
Title	:	Assessment of infiltration process considering slope and diurnal temperature variation in humid subtropical region
Researcher	:	Jain, Lohit
Department	:	Department of Civil Engineering
Year	:	2022
Supervisor	:	Chakma, Sumedha (Assoc.Prof.) - CE
Physical description	:	xxv, 218 p.
Subject terms	:	Modelling evaluation Slope variation Infiltration process Solid wast landfill Material and methods Diurnal temperature
Barcode	:	TH6866

Call No.	:	TH 624.152.2:628.112.3 JAI-A
Title	:	Characterization of pore-and particle- scale single-and two-phase flows in porous media
Researcher	:	Ambekar, Aniket S.
Department	:	Department of Chemical Engineering, IITD
Year	:	2022
Supervisor	:	Phirani, Jyoti (Prof.) - CHE
Physical description	:	xv,182 p.
Subject terms	:	Turbulent flow DNS simulations RNS and LES approaches Turbulence characteristics Gas-liquid flows liquid spreading
Barcode	:	TH6865
Call No.	:	TH 532.517.4 AMB-C
Title	:	Cobalt metal/metal oxide-based nanomaterials supported on carbon nanostructures for high-performance electro-catalysis
Researcher	:	Jha, Shwetambara
Department	:	Department of Chemistry, IITD
Year	:	2022
Supervisor	:	Ingole, Pravin P. (Prof.) - CHY
Physical description	:	xxiv, 199p.
Subject terms	:	Fuel cells Electroanalytical techniques X-ray diffraction Thermogravimetric analysis Transmission electron microscopy Spectroscopy Oxygen reduction reaction Oxygen evolution reaction
Barcode	:	TH6823
Call No.	:	TH 620.3 JHA-C
Title	:	Computational studies on understanding the role of electron donors on zieglernatta catalyst activity and photooxidation behaviour of polyolefins
Researcher	:	Khatri, Vikas
Department	:	Department of Chemistry
Year	:	2022
Supervisor	:	Kashyap, Hemant K. (Assoc. Prof.) -CHY Singh, Gurmeet (CRM) - IOCL, Faridabad
Physical description	:	xxii, 179p.
Subject terms	:	Wavefunction Thomas Fermi model Hohenberg theorm Local Density Approximation Minimal Basis set
Barcode	:	TH6855
Call No.	:	TH 544.478.1 KHA-C

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Title	:	Coordinated operations of TSO and DSO for efficient grid management
Researcher	:	Gupta, Megha
Department	:	Department of electrical engineering
Year	:	2022
Supervisor	:	Abhyankar, A.R. (Prof.) -EE
Physical description	:	xxvi, 172p.
Subject terms	:	Voltage security Energy market Market operations Transmission system Load flow
Barcode	:	TH6821
Call No.	:	TH 621.311.1 GUP-C
Title	:	Design and development of renewable energy based microgrids with grid synchronization and their applications to EV charging infrastructure
Researcher	:	Shukl, Pavitra
Department	:	Department of Electrical Engineering, IITD
Year	:	2022
Supervisor	:	Singh, Bhim (Prof.) - EE
Physical description	:	x1iv, 379p.
Subject terms	:	Electric vehicles Emission Voltage source converter Reactive power Deterioration
Barcode	:	TH6897
Call No.	:	TH 502.174.3 SHU-D
Title	:	Design and performance evaluation of space modulation techniques
Researcher	:	Singh, Ugrasen
Department	:	Bharti School of Telecommunication Technology and Management, IITD
Year	:	2022
Supervisor	:	Bhatnagar, Manav (Prof.) - BSTTM
Physical description	:	xvii, 160p.
Subject terms	:	Communication Systems SSK modulation Secrecy rate analysis Wireless communication Space-time coding
Barcode	:	TH6900
Call No.	:	TH 006.83(15) SIN-D

Title	:	Design, analysis and implementation of bidirectional DC-DC converters
Researcher	:	Sharma, Ambuj
Department	:	Department of Electrical Engineering, IITD
Year	:	2022
Supervisor	:	Bhuvaneshwari, G (Prof.) - EE Nag, Soumya Shubra (Asst. Prof) - EE Veerachary, Mummadi (Prof.) - EE
Physical description	:	xxii, 124 p.
Subject terms	:	Control of battery current Dynamiic analysis Topologies Electric vehicle vehicle charging system Transition techniques
Barcode	:	TH6862
Call No.	:	TH 621.314.5.3.024 SHA-D
Title	:	Development of hand evaluation systems for specialty textiles
Researcher	:	Ahirwar, Meenakshi
Department	:	Department of Textile and Fibre Engineering, IITD
Year	:	2022
Supervisor	:	Behera, B K (Prof.) - TT
Physical description	:	xxxiii, 262p.
Subject terms	:	Kawabata hand equation Apparel fabrics Hand evaluation system Parameters Correlation
Barcode	:	TH6888
Call No.	:	TH 677.5 AHI-D
Title	:	Development of novel inverse methods for solar PV system and continuous casting process
Researcher	:	Vaka, Ananda Srinivas
Department	:	Department of Mechanical Engineering, IITD
Year	:	2022
Supervisor	:	Talukdar, Prabal (Prof.) - ME
Physical description	:	xxii, 191p.
Subject terms	:	Conjugate gradient method Ant colony optimization Salp swarm algorithm Interfacial heat flux Billey mould Slab mould
Barcode	:	TH6828
Call No.	:	TH 621.311.243 VAK-D

Title	:	Develpment of environmental friendly metalworking fluid
Researcher	:	Lodhi, Ajay Partap Singh
Department	:	Centre for Automotive Research and Tribology, IITD
Year	:	2022
Supervisor	:	Deepak Kumar (Assoc. Prof.) - CART
Physical description	:	xxi, 157p.
Subject terms	:	Mineral oil - based Corrosion Goniometer Light scattering Fourier transform infrared
Barcode	:	TH6883
Call No.	:	TH 57.017.6 LOD-D
Title	:	D-galactose and piperazine derived biodegradable and biocompatible polymers and their applications
Researcher	:	Goel, Shubhra
Department	:	Department of materials science and engineering, IITD
Year	:	2022
Supervisor	:	Jacob, Josemon (Prof.) - MSE
Physical description	:	xxviii, 220p.
Subject terms	:	Biomedical sector Degradation time Physicochemical properties Potential Organogelation
Barcode	:	TH6892
Call No.	:	TH 502.174.2 GOE-D
Title	:	Effect of plasma boundary and electrode asymmetry in planar DC discharges
Researcher	:	Barnwal, Prashant Kumar
Department	:	Department of Energy Science and Engineering
Year	:	2022
Supervisor	:	Narayanan, R. (Prof.)- DESE Ganguli, A. (Prof.)- DESE
Physical description	:	xxvi, 120p.
Subject terms	:	DC discharge plasma Negative differential resistance LVIB configuration SVIB Configuration Boundary Discharge
Barcode	:	TH6830
Call No.	:	TH 537.52 BAR-E

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Title	:	Essays on innovation economics
Researcher	:	Kaushik, Rituparna
Department	:	Department of Humanities and Social Sciences, IITD
Year	:	2022
Supervisor	:	Paul, Sourabh Bikas (Asst. Prof.)
Physical description	:	xii, 112p.
Subject terms	:	Bargaining Power Strategic Interactions Sectoral patterns Corporate board structure Econometric model Innovation effort STEM education
Barcode	:	TH6843
Call No.	:	TH 330.341.1 KAU-E
Title	:	Essays on the Indian labour market
Researcher	:	Goswami, Diti
Department	:	Department of Humanities and Social Sciences, IITD
Year	:	2022
Supervisor	:	Paul, Sourabh Bikas (Asst.prof.) -HSS
Physical description	:	ix, 115p.
Subject terms	:	Employment Productivity Labour productivity growth Business cycle Labour law reforms Emerging countries
Barcode	:	TH6854
Call No.	:	TH 331.5(540) GOS-E
Title	:	Experimental and microstructural investigation on the mechanism and phenomenological modelling of stress relaxation behaviour for ductility improvement in SS316L stainless steel and pure magnesium
Researcher	:	Varma, Anand
Department	:	Department of Materials Science and Engineering, IITD
Year	:	2022
Supervisor	:	Hariharan, K. (Assoc. Prof.) - MSE Jain, Jayant (Assoc. Prof.) - MSE
Physical description	:	xix, 180p.
Subject terms	:	Plastic deformation Solid solution strengthening Thermal activation theory Metallurgical parameters Microstructure characterization Fractography analysis
Barcode	:	TH6886
Call No.	:	TH 621.785.37 VAR-E

Title	:	Experimental investigations and characterization of tracheal scaffolds fabricated using solvent based 3D printing
Researcher	:	Kandi, Rudranarayan
Department	:	Department of Mechanical Engineering
Year	:	2022
Supervisor	:	Pandey, Pulak Mohan (Prof.) -ME
Physical description	:	xxx, 151p.
Subject terms	:	Trachea associated diseases Fabrication procedure Specatroscopy Rheological characteristics ink Mechanical characterization
Barcode	:	TH6842
Call No.	:	TH 616.231 KAN-E
Title	:	Exploring the role of the nervous system for understanding depression in spinal cord injury
Researcher	:	Mitra, Shambhovi
Department	:	Department of Humanities & Social Sciences, IITD
Year	:	2022
Supervisor	:	Singh, Varsha (Associate Prof.) -HSS
Physical description	:	207p.
Subject terms	:	Cognitive process Autonomic regulation Affect state NVI theory Physiological effects
Barcode	:	TH6859
Call No.	:	TH 616.89-008.454 MIT-E
Title	:	Fair and regulated resource allocation in blockchain based decentralized system
Researcher	:	Ahuja, Aditya
Department	:	Department of computer science and engineering, IITD
Year	:	2022
Supervisor	:	Ribeiro, Vinay J (Assoc Prof.).- DCSE
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Title	:	Fault tolerant schemes for exchanging power with HVDC transmission lines
Researcher	:	Mathew, Ebin Cherian
Department	:	Department of Electrical Engineering, IITD
Year	:	2022
Supervisor	:	Das, Anandarup (Assoc. Prof.) - EE
Physical description	:	xxvii, 209 p.
Subject terms	:	Power tapping Power tapping scheme Isolated topologies DC-DC converter MVDC grid Renewable energy sources
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Call No.	:	TH 621.311.245 MAT-F
Title	:	Fracture characterization and analysis of lead-free solder joints
Researcher	:	Sharma, Ved Prakash
Department	:	Department of Mechanical Engineering
Year	:	2022
Supervisor	:	Datla, Naresh Varma (Prof.) - ME
Physical description	:	xxi, 110p.
Subject terms	:	Solder alloys Finite element modelling Fracture behaviour Fractography Fracture test Ball grid array Double cantilever beam
Barcode	:	TH6827
Call No.	:	TH 620.17 SHA-F
Title	:	Framework for global digital identity selected studies
Researcher	:	Mir, Umar Bashir
Department	:	Department of Management Studies, IITD
Year	:	2022
Supervisor	:	Kar, Kumar Arpan (Prof.) - DMS Gupta, M.P. (Prof.) - DMS
Physical description	:	xxx, 280p.
Subject terms	:	Official identity Sustainable development goals Artificial intelligence Competing public values Social security system Personal identifiable information
Barcode	:	TH6858
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Title	:	Gallium nitride based circuits for microwave signal generation
Researcher	:	Kumari, Rakhi
Department	:	Centre for Applied Research in Electronics (CARE)
Year	:	2022
Supervisor	:	Basu, Ananjan (Prof.) - CARE Koul, Shiban K. (Prof.) - CARE
Physical description	:	xxii,158p.
Subject terms	:	Microwave Integrated antenna Power amplifier Circuit design Topology
Barcode	:	TH6873
Call No.	:	TH 661.868.1'041 KUM-G
Title	:	Glaucoma diagnosis in a digital retinal image using multi clinical features extracted and fused by deep convolutional neural network
Researcher	:	Sharma, Ambika
Department	:	Bharti School of Telecommunication Technology and Management, IITD
Year	:	2022
Supervisor	:	Aggarwal, Monika (Prof.) - CARE Roy, Sumantra Dutta (Prof.) - EE Gupta, Vivek - AIIMS, New Delhi
Physical description	:	xxix, 219 p.
Subject terms	:	Human eye Structure of eye Glaucoma eye disease Retinal nerve fiber layer Optic dise localization
Barcode	:	TH6861
Call No.	:	TH 617.7-007.681 SHA-G
Title	:	Graph coloring and its variations structural and algorithmic study
Researcher	:	Priyamvada
Department	:	Department of Mathematics, IITD
Year	:	2022
Supervisor	:	Panda, Bhawani Sankar (Prof.) - MA
Physical description	:	xxiv, 252p.
Subject terms	:	Variations of graph coloring Injective coloring Chain graph Exact square coloring Chordal graph Bipartite graph
Barcode	:	TH6872
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Title	:	Grinding of nimonic 90 using sustainable cooling techniques and modeling of grinding force
Researcher	:	Attar, Pirsab Rasulsab
Department	:	Department of Mechanical Engineering
Year	:	2022
Supervisor	:	Ghosh, Sudarshan (Prof.)- ME Rao, P. Venkateswara (Prof)- ME
Physical description	:	xxii,188p.
Subject terms	:	Nanofluids Biodegradable emulsion Sustainable cooling techniques Grinding force modelling Grinding mechanism
Barcode	:	TH6819
Call No.	:	TH 621.92:669.055 ATT-G
Title	:	High performance nonwoven air filters for automotive engine intake air filtration
Researcher	:	Yadav, Shivendra
Department	:	Department of Textile and Fibre Engineering, IITD
Year	:	2022
Supervisor	:	Das, Dipayan (Prof.) -TFE
Physical description	:	xxxix, 198p.
Subject terms	:	Sophisticated air intake Vehicular perfromance Chemical engine intake Fibre geometries Fraction filtration
Barcode	:	TH6847
Call No.	:	TH 697.942-52 YAD-H
Title	:	Hybrid beamforming system with IQ imbalance compensation and performance analysis
Researcher	:	Mahendra, Rachit
Department	:	Department of Electrical Engineering
Year	:	2022
Supervisor	:	Mohammed, Saif Khan (Prof.) -EE Mallik, Ranjan K. (Prof.) -EE
Physical description	:	xviii, 168p.
Subject terms	:	Wireless Cellular network Wave communication Transmitter Receiver IQI Compensation algorithm
Barcode	:	TH6856
Call No.	:	TH 621.3-555.5 MAH-H

Title	:	Hydroclimate modeling over the Himalayan beas basin
Researcher	:	Dixit, Ankur
Department	:	Centre for Atmospheric Sciences, IITD
Year	:	2022
Supervisor	:	Sayany, Sandeep (Asst. prof.) -CAS Mishra, Saroj Kanta (Assoc. prof.) - CAS
Physical description	:	xxiv,155p.
Subject terms	:	Temperature Seasonal snow Dynamics Mountains Precipitation
Barcode	:	TH6890
Call No.	:	TH 556.522 DIX-H
Title	:	Insights into oxygen evolution step of the thermochemical iodine-sulfur (I-S) process for hydrogen production
Researcher	:	Pathak, Shailesh
Department	:	Department of Chemical Engineering, IITD
Year	:	2022
Supervisor	:	Upadhyayula (Prof.) -CHE
Physical description	:	xxi,198p.
Subject terms	:	Thermochemical decomposition Thermodynamic property Hydro iodic cycle Bunsen reaction Sulfuric acid decomposition Oxygen evolving reaction Kinetic modeling
Barcode	:	TH6845
Call No.	:	TH 661.96-971 PAT-I
Title	:	Investigation of suprerconductivity in Th3P4- type noncentrosymmetric lanthanum chalcogenides
Researcher	:	Nasker, Moumita
Department	:	Department of Physics, IITD
Year	:	2022
Supervisor	:	Ganguli, Ashok K. (Prof.) - CHY Chatterjee, Ratnamala (Prof.) - PH
Physical description	:	xiii,94 p.
Subject terms	:	Diamagnetism X-ray diffraction Scanning electron microscopy Energy dispersive analysis Heat capacity Electronic structure
Barcode	:	TH6870
Call No.	:	TH 538.945 NAS-A

Title	:	Investigations on utility synchronized microgrids with solar-wind-hydro generation
Researcher	:	Sharma, Rohini
Department	:	Department of Electrical Engineering, IITD
Year	:	2022
Supervisor	:	Singh, Bhim (Prof.)- EE
Physical description	:	lxiii, 446p.
Subject terms	:	Pico-Hydro based microgrids Wind energy conversion Solar energy based microgrids MATLAB model Hydro energy conversion
Barcode	:	TH6826
Call No.	:	TH 621.311.24 SHA-I
Title	:	Investigations to enhance the stability and performance of nanostructured materials for photo-electrochemical water splitting applications
Researcher	:	Shalini
Department	:	Department of Chemistry, IITD
Year	:	2022
Supervisor	:	Ganguli, Ashok Kumar (Prof.) - CHE Ingole, Pravin (Assoc. Prof.) - CHE
Physical description	:	xxv,171 p.
Subject terms	:	Energy consumption Semiconductors heterojunction Photocatalytic water splitting Semiconductor photocatalyst Hydrothermal process
Barcode	:	TH6875
Call No.	:	TH 544.6:544.52 SHA-I
Title	:	Issues in vehicle to vehicle crash reconstruction with reduced data set
Researcher	:	Sharma, Sanyam
Department	:	Department of Mechanical Engineering, IITD
Year	:	2022
Supervisor	:	Chawla, Anoop (Prof.) - ME Mukherjee, Sudipto (Prof.) - ME
Physical description	:	xxx, 234p.
Subject terms	:	Human volunteer test Postmortem human subjects Epidemiology Management of crash Crash pulse Injury measures Crash simulation
Barcode	:	TH6825
Call No.	:	TH 629.3.015 SHA-I

Title	:	Low-dimensional silicon and layered transition metal dichalcogenides for terahertz detectors and modulators
Researcher	:	Jakhar, Alka
Department	:	Centre for Applied Research in Electronics
Year	:	2022
Supervisor	:	Das, Samaresh (Prof.) -CARE
Physical description	:	xxiv, 165p.
Subject terms	:	Nanowire Molecular transition Fabrication of antenna Semimetal platinum telluride Transmission spectra Mechanical exfoliation
Barcode	:	TH6841
Call No.	:	TH 621 JAK-L
Title	:	Mechanical, wear and corrosion properties of a novel Mg-10Dy-0.7La alloy
Researcher	:	Prasad, Amit Kumar
Department	:	Department of Materials Science and Engineering, IITD
Year	:	2022
Supervisor	:	Jain, Jayant (Assoc. Prof.) - MSE Gosvami, Nitya Nand (Assoc. Prof.) - MSE
Physical description	:	xxix, 212 p.
Subject terms	:	Crystallography Deformation behavior Recrystallization Thermodynamics Microstructural effect Electron microscopy
Barcode	:	TH6871
Call No.	:	TH 669.721.5 PRA-M
Title	:	Metaphysics of continuity of consciousness
Researcher	:	Anurag, Amit
Department	:	Department of Humanities and Social Sciences, IITD
Year	:	2022
Supervisor	:	Tomy, C. A. (Prof.) - University of Hyderabad, Hyderabad Singh, Purnima (Prof.) - HSS
Physical description	:	ii, 129 p.
Subject terms	:	Persistence Endurantism Process Atomic theories Presentism Eternalism
Barcode	:	TH6849
Call No.	:	TH 13 ANU-M

Title	:	Microstructure based elastoplastic behaviour of porous materials with snow as an example
Researcher	:	Singh, Anurag Kumar
Department	:	Department of Applied Mechanics, IITD
Year	:	2022
Supervisor	:	Mahajan, Puneet (Prof.) -AM Kumar, Navin (Prof.) - IIT, Ropar
Physical description	:	xx, 165p.
Subject terms	:	Anisotropy Compression Asymmetry Density Fabric tension
Barcode	:	TH6898
Call No.	:	TH 57.012.3 SIN-M
Title	:	Modelling, analysis and implementation of a switched reluctance machine based wind energy conversion system
Researcher	:	Mapa, Swagata
Department	:	Department of Electrical Engineering , IITD
Year	:	2022
Supervisor	:	Bhuvaneswari, G (Prof.) - EE
Physical description	:	xxviii,160 p.
Subject terms	:	Wind turbine Optimization techniques DC-DC converter System configuration Modelling of SRM Hardware implementation
Barcode	:	TH6868
Call No.	:	TH 621.548 MAP-M
Title	:	Mplecular dynamics simulation studies of structure and stability of modern electrolytes in hydrophobic nanoscale confinement and near metal surfaces
Researcher	:	Dhattarwal, Harender singh
Department	:	Department of Chemistry, IITD
Year	:	2022
Supervisor	:	Kashyap, Hemant K.(Assoc. Prof.) - CHY Kuo, jer-Lai (Research Fellow) - IAMS, Taiwan
Physical description	:	xxii, 148 p.
Subject terms	:	Electrolytes Core electrons Correlation energy Free energy profiles Kohn-sham density
Barcode	:	TH6853
Call No.	:	TH 669.177.035.4 DHA-M

Title	:	Multi-frequency power conversion topologies for AC-plus-DC grid
Researcher	:	Chitransh, Varun
Department	:	Department of Electrical Engineering, IITD
Year	:	2022
Supervisor	:	Veerachary, M. (Prof.) - EE
Physical description	:	xviii, 149p.
Subject terms	:	Power electronic converter system Equivalent circuit representation Selective power management Power electronic interface Flexible integration
Barcode	:	TH6820
Call No.	:	TH 621.311 CHI-M
Title	:	Multi-stakeholder framework for performance of e- government
Researcher	:	Singh, Harjit
Department	:	Department of Management Studies, IITD
Year	:	2022
Supervisor	:	Kar, Arpan Kumar (Prof.) -MS Ilavarasan, P. Vigneswara (Prof.) -MS
Physical description	:	242p.
Subject terms	:	Citizen Government agency Technology Business Validation
Barcode	:	TH6899
Call No.	:	TH 006.83SIN-M
Title	:	Nanosurface modification of polyester fabrics for moisture management
Researcher	:	Agarwal, Rashi
Department	:	Department of Textile and Fiber Engineering, IITD
Year	:	2022
Supervisor	:	Agrawal, Ashwini K. (Prof.) - TT Jassal, Manjeet (Prof.) - TT
Physical description	:	xxx,233 p.
Subject terms	:	Mechanism moisture Polyester Fabric engineering Yarn engineering PET fabric Wash durability
Barcode	:	TH6848
Call No.	:	TH 677.494.674 AGA-N

Title	:	Negative workplace deviance antecedents, victim's response and role of HRM
Researcher	:	Malik, Akanksha
Department	:	Department of Management Studies, IITD
Year	:	2022
Supervisor	:	Sinha, Shuchi (Prof.) - MS
Physical description	:	xviii, 234p.
Subject terms	:	Conceptualization and Evolution Qualitative review Organizational factors Sexual harassment Sensitization Communication channels
Barcode	:	TH6867
Call No.	:	TH 005.96:364.632 MAL-N
Title	:	Network theory application for dynamical and higher dimensional analysis of biological data
Researcher	:	Pandey, Ashutosh Kumar
Department	:	Kusuma School of Biological Sciences, IITD
Year	:	2022
Supervisor	:	Gomes, James (Prof.) - SBS
Physical description	:	79 p.
Subject terms	:	Control energy Graph laplacian Network backboning Network construction Gene ontology
Barcode	:	TH6836
Call No.	:	TH 577.2 PAN-N
Title	:	Optimal fabrication and physico-mechanical performance of electrospun nanofiber-based biodegradable and biocompatible polymeric constructs
Researcher	:	Sharma, Deepika
Department	:	Department of Material Science and Engineering
Year	:	2022
Supervisor	:	Satapathy, Bhabani K. (Prof.)- DMSE
Physical description	:	xxxiv, 337p.
Subject terms	:	Electrospinning Microscopy Solvent system Fabrication Physico-mechanical performance
Barcode	:	TH6833
Call No.	:	TH 678.86:502.174.2 SHA-O

Title	:	Optimization of building envelope for simultaneous thermal, daylight and noise insulation performance, in tropical climates
Researcher	:	Khan, Nabeel Ahmed
Department	:	Department of Civil Engineering, IITD
Year	:	2022
Supervisor	:	Bhattacharjee, B. (Prof.) - CE
Physical description	:	xv, 238p.
Subject terms	:	Opaque building Design method Heat transfer modeling Indian design limitation Building energy simulation model
Barcode	:	TH6882
Call No.	:	TH 628.91:692 KHA-O
Title	:	Oxidative functionalization and heterocyclization mediated by DIB, phlO and selectfluorTM
Researcher	:	Garia, Alankrita
Department	:	Department of Chemistry, IITD
Year	:	2022
Supervisor	:	Jain, Nidhi (Prof.) - CHY
Physical description	:	xxii, 279p.
Subject terms	:	Hypervalent bonging Reactivity Lactonization Cyclization Pre-functionalization
Barcode	:	TH6880
Call No.	:	TH 547.7 GAR-O
Title	:	Performance of hematite and bismuth vanadate based photocatalysts in photoelectrochemical reactor for hydrogen production
Researcher	:	Singh, Aditya
Department	:	Department of Chemical Engineering, IITD
Year	:	2022
Supervisor	:	Basu, Suddhasatwa (Prof.) - CHE Karmakar, Sujay - NTPC Vindhyachal, Madhya Pradesh
Physical description	:	xxi, 166 p.
Subject terms	:	Global energy Sustainable energy Energy sources Electrolyte Morphology Semiconductor materials
Barcode	:	TH6863
Call No.	:	554.6:544.527 SIN-P

Title	:	Performance studies of new micro-pocketed and bionic textured fixed and tilting pad thrust bearings using FEM approach
Researcher	:	Atwal, Jeewan Chandra
Department	:	Department of Mechanical Engineering, IITD
Year	:	2022
Supervisor	:	Pandey, R.K. (Prof.) - ME
Physical description	:	xxx, 230p.
Subject terms	:	Micro textured Bearing dynamics Governing equations Computational procedure Film Thickness Expressions
Barcode	:	TH6838
Call No.	:	TH621.822.187 ATW-P
Title	:	Post-Crash accessibility to care the case of Delhi, India
Researcher	:	Ahuja, Richa
Department	:	Transportation Research and Injury Prevention Center
Year	:	2022
Supervisor	:	Tiwari, Geetam (Prof.)- TRIP-C Chatterjee, Niladri (Prof.)- MA Gupta, Amit (Prof.)- AIIMS, Delhi
Physical description	:	xxviii, 269p.
Subject terms	:	Road crash and accidents Prevention system Emergency response system Emergency medical services Relative spatial access
Barcode	:	TH6818
Call No.	:	TH 614.8 AHU-P
Title	:	Power quality improvement and energy management of VFD based air conditioning system using photovoltaic with battery storage
Researcher	:	Das, Dhiman
Department	:	Department of Electrical Engineering, IITD
Year	:	2022
Supervisor	:	Mishra, Sukumar (Prof.) - EE Singh, Bhim (Prof.) - EE
Physical description	:	xix, 133 p.
Subject terms	:	Photovoltaic power Air conditioning load Variable frequency drive Battery energy storage DC-AC conversion
Barcode	:	TH6835
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Title	:	Prior-based optimization approaches for single image dehazing
Researcher	:	Gautam, Sidharth
Department	:	Department of electrical engineering, IITD
Year	:	2022
Supervisor	:	Panigrahi, Bijaya Ketan (Prof.) - EE Gandhi, Tapan (Prof.) - EE
Physical description	:	xiv, 89p.
Subject terms	:	Heuristic assumptions Graph model Diverse illumination Air light vector Micro level visibilty
Barcode	:	TH6891
Call No.	:	TH 677.019.1 GAU-P
Title	:	Probing atomic clock candidates using relativistic coupled-cluster theory calculations
Researcher	:	Kumar, Ravi
Department	:	Department of Physics, IITD
Year	:	2022
Supervisor	:	Man, Brajesh Kumar (Prof.) - PH
Physical description	:	xxv,173 p.
Subject terms	:	Optical atomic clocks Electron correlation Daipole polarizability Breit interactions Vacuum polarization
Barcode	:	TH6874
Call No.	:	TH 681.113.94 KUM-P
Title	:	Process analytical technology in continuous downstream manufacturing of biotherapeutics
Researcher	:	Thakur, Garima
Department	:	Department of Chemical Engineering, IITD
Year	:	2022
Supervisor	:	Rathore, Anurag S. (Prof.) - CHE
Physical description	:	viii, 157p.
Subject terms	:	Chromatography Pressure excursion studies Surge tanks pH transitions Spectroscopy
Barcode	:	TH6885
Call No.	:	TH 615:602.1 THA-P

Title	:	Rapid antimicrobial susceptibility testing through impedance spectroscopy using low conductivity zwitterionic buffers /
Researcher	:	Swami, Pragya
Department	:	Department of Chemical Engineering ,IITD
Year	:	2022
Supervisor	:	Gupta, Shalini (Assoc. Prof.) - CHE
Physical description	:	xxxiii, 175 p
Subject terms	:	Bacterial diagnosis | Electrode polarization | Bacteria | Cell culture | Antimicrobial activity
Barcode	:	TH6879
Call No.	:	TH 615.331:530.152.2 SWA-R
Title	:	Real time compressive sensing in COMS image sensors
Researcher	:	Bhuvan, B.
Department	:	Department of Electrical Engineering. IITD
Year	:	2022
Supervisor	:	Sarkar, Mukul (Assoc. Prof.) - EE Chatterjee, Shouri (Prof.) - EE
Physical description	:	xxii,186 p.
Subject terms	:	Photon transfer Photon shot noise Photodiode nonlinearity Accelerated-ramp slop Decelerated ramps Switching accelerator Control signals Process corners
Barcode	:	TH6852
Call No.	:	TH 621.3:528.8.04 BHU-R
Title	:	Role of extracellular signals on cellular differentiation
Researcher	:	Sharma, Aarushi
Department	:	Department of Textile and Fiber Engineering, IITD
Year	:	2022
Supervisor	:	Ghosh, Sourabh (Prof.) - TT
Physical description	:	xv, 186 p.
Subject terms	:	Tissue engineering Bone tissue Physiology Liver tissue Cartilage tissue
Barcode	:	TH6877
Call No.	:	TH 576 SHA -R

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Title	:	Select studies for performance improvement of flexibility focused freight transportation
Researcher	:	Shardeo, Vipulesh
Department	:	Department of Management Studies,IITD
Year	:	2022
Supervisor	:	Madaan, J. (Prof.) - MS
Physical description	:	xxiii, 246 p.
Subject terms	:	Strategic planning Tactical planning Operational planning Structural modelling Flexibility in supply chain Transport flexibility
Barcode	:	TH6876
Call No.	:	TH 656.025.4 SHA-S
Title	:	Signal reconstruction from multirate observations
Researcher	:	Patel, Sandeep
Department	:	Bharti School of Telecommunication Technology and Management, IITD
Year	:	2022
Supervisor	:	Lall, Brejesh (Prof.) - EE Dhuli, Ravindra (Prof.) - VIT AP University, Andhra Pradesh
Physical description	:	xxi, 155 p.
Subject terms	:	Optimum synthesis Design of matrix Presence off Noise Optimization NLMS algorithm
Barcode	:	TH6837
Call No.	:	TH 621.391.81 PAT-S
Title	:	Snow and glacier melt runoff modeling in beas river basin using remote sensing and GIS techniques
Researcher	:	Rongali, Gopinadh
Department	:	Department of Civil Engineering, IITD
Year	:	2022
Supervisor	:	Keshari, Ashok K. (Prof.) -CE Gosain, Ashvani K. (Prof.) -CE Khosa, Rakesh (Prof.) -CE
Physical description	:	xx, 156p.
Subject terms	:	Landsat satellite data Land surface temperature Snow cover area Degree day method Mono window algorithm Lapse rate estimation Cloud shadows
Barcode	:	TH6846
Call No.	:	TH 624.14:528.8 RON-S

Title	:	Social structure, psycho-social and academic experiences at school
Researcher	:	Khushbeen, Kaur Sohi
Department	:	Department of Humanities and Social Sciences
Year	:	2022
Supervisor	:	Singh, Purnima (Prof.) - HSS
Physical description	:	xv, 280 p.
Subject terms	:	Indian school education Socioeconomic diversity Educational institutions Social pshcychology Academic performance
Barcode	:	TH6878
Call No.	:	TH 316.6:37.06 SOH-S
Title	:	Structural landscape of manganese(II) aromatic dicarboxylate based functionalized coordination polymers synthesis-structure-property correlation
Researcher	:	Singh, Bharti
Department	:	Department of Chemistry, IITD
Year	:	2022
Supervisor	:	Ramanan, A. (Prof.) - CHE
Physical description	:	xxix, 285p.
Subject terms	:	Crystal engineering Crystalline materials Cambridge structural database Computational studies Structural chemistry
Barcode	:	TH6884
Call No.	:	TH 678.744.34 SIN-S
Title	:	Studies in functionalisation of textiles using polyurethane coatings
Researcher	:	Bramhecha, Indrajit Chandrakant
Department	:	Department of Textiles and Fibre Engineering, IITD
Year	:	2022
Supervisor	:	Sheikh, Javed Nabibaksha (Assoc. Prof.) - TT
Physical description	:	xxxi, 194 p.
Subject terms	:	Polyols Breathable PU Citric acid Water borne Polyurethane Textile coating
Barcode	:	TH6834
Call No.	:	TH 677:678.664 BRA-S

Title	:	Studies of non-radiative metamaterials for terahertz photonics
Researcher	:	Karmakar, Subhajit
Department	:	Department of Physics, IITD
Year	:	2022
Supervisor	:	Varshney, Ravendra Kumar (Prof.) - PH Chowdhury, Dibakar Roy (Prof.) - Mahindra University, Telanagana
Physical description	:	xxxiv, 178p.
Subject terms	:	Metamaterials Electromagnetic structure Hybridized resonances Asymmetric line Metallic wire
Barcode	:	TH6881
Call No.	:	TH 544.522.121.2 KAR-S
Title	:	Studies on flexible journal bearings for improved tribological and stability behaviours
Researcher	:	Ganai, Pranabesh
Department	:	Department of Mechanical Engineering
Year	:	2022
Supervisor	:	Pandey, R. K. (Prof.) -ME Dutt, J. K. (Prof.) -ME
Physical description	:	xxv, 206p.
Subject terms	:	Mechanical systems Vertical rotors energy Centrifugal oil filter Lubrication Floating bush bearing
Barcode	:	TH6839
Call No.	:	TH 621.82 GAN-S
Title	:	Studies on Kasturi Methi (Trigonella Foenum- Graecum) for development of nutraceuticals product
Researcher	:	Awasthi, Neeraj Kumar
Department	:	Centre for Rural Development and Technology, IITD
Year	:	2022
Supervisor	:	Naik, Satya Narayan (Prof.) - CRDT
Physical description	:	xvi, 95p.
Subject terms	:	Rabi season Soil Potassium Conductivity Harvest
Barcode	:	TH6889
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Title	:	Studies on reactivity and molecular structures of uranyl (VI) ion in response to O, N, S- based acyclic and cyclic organic species in non-aqueous medium
Researcher	:	Jyoti
Department	:	Department of Chemistry, IITD
Year	:	2022
Supervisor	:	Singh, Jai Deo (Prof.) - CHY
Physical description	:	xxiii, 206p.
Subject terms	:	Synthesis Diamines Organic donor Heteroatoms Complexes
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Title	:	Studies on the morphological and optoelectronic properties for ultrasonic spray deposited scalable organic solar cells
Researcher	:	Waheed, Sobia
Department	:	Department of Energy Science and Engineering, IITD
Year	:	2022
Supervisor	:	Karak, Supravat (Prof.) - ESE
Physical description	:	xvii,108p.
Subject terms	:	Organic semiconducting materials Fabrication Heterojunction Vibration frequency power conversion energy
Barcode	:	TH6887
Call No.	:	TH 66.084.8 WAH-S
Title	:	Studies on uranyl (UO22-I-) ion activities with schiff base donors in non-aqueous environment
Researcher	:	Renu Kumari
Department	:	Department of Chemistry
Year	:	2022
Supervisor	:	Singh, Jai Deo (Prof.) - CHY
Physical description	:	xv, 156p.
Subject terms	:	Physiocehmical studies Synthesis of ligands Donor bases Spectral studies Single crystal x-ray diffraction studies
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Department	:	Department of Management Studies, IITD
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Supervisor	:	Sharma, Seema (Prof.) - MS
Physical description	:	xxvi, 217 p
Subject terms	:	Transport trends | Project management | Transport - Research design | Data collection | Transport policies
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Call No.	:	TH 625.1(540) BHA-A
Title	:	Study on soil pollution and associated food contamination due to pesticide use in agriculture
Researcher	:	Gupta, Sandhya
Department	:	Department of Civil Engineering, IITD
Year	:	2022
Supervisor	:	Garg, N.K (Prof.) - CE Gupta, Manika (Prof.) - Delhi University, New Delhi
Physical description	:	xxiii,187p.
Subject terms	:	Irrigation treatment Linear regression analysis Wheat grain contamination Numerical modeling Inverse modeling Pesticide regulation
Barcode	:	TH6893
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Title	:	Synthesis of malic acid by redirection of cellular metabolism in Zymomonas mobilis
Researcher	:	Khandelwal, Rohit
Department	:	Department of Biochemical Engineering and Biotechnology, IITD
Year	:	2022
Supervisor	:	Srivastava, Preeti (Prof.) - BEB Bisaria, Virendra Swarup (Prof.) - BEB
Physical description	:	xxviii, 175p.
Subject terms	:	Physicochemical properties Microbial properties Genome engineering Biofuel Molecular machinery
Barcode	:	TH6895
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Title	:	Systematic approach to brownfield airport privatization
Researcher	:	Jain, Soumya
Department	:	Department of Civil Engineering
Year	:	2022
Supervisor	:	Iyer, K Chandrashekhar (Prof.)- CE Jha, K Neeraj (Prof.)- CE
Physical description	:	xv, 150p.
Subject terms	:	Indian airport Privatization potential Reserve price model Traffic forecast Income forecast
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Call No.	:	TH 339.13.025.88:725.39 JAI-S
Title	:	Techniques for enhanced vulnerability management for industrial internet of things
Researcher	:	Geeta
Department	:	Amar Nath & Shashi Khosla School of Information Technology
Year	:	2022
Supervisor	:	Paul, Kolin (prof.) -CSE
Physical description	:	xlii, 221p.
Subject terms	:	Industrial control system Heterogeneous component Process control system Robotics system Systematic vulnerability management
Barcode	:	TH6840
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Title	:	Techno-economics of concentrating solar power in India
Researcher	:	Aseri, Tarun Kumar
Department	:	Department of Energy Science and Engineering, IITD
Year	:	2022
Supervisor	:	Sharma, Chandan (Assoc. Prof.) - ME, Engineering college Ajmer Kandpal, Tara C.(Prof.) - ESE
Physical description	:	xvii, 325 p.
Subject terms	:	Power technologies Solar energy Water energy Thermal energy Emerging technology Electricity
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Title	:	Throughput forecasting, blockchain and social media affordances in container supply chain industry
Researcher	:	Shankar, Sonali
Department	:	Department of Telecommunication Technology and Management, IIT
Year	:	2022
Supervisor	:	Vigneswara, P. Ilavarasan (Prof.) - DMS
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Title	:	Towards robust and efficient embodied visual perception
Researcher	:	Sobti, Anupam
Department	:	Amar Nath and Shashi Khosla School of Information Technology, IITD
Year	:	2022
Supervisor	:	Balakrishnan, M (Prof.) - CSE Arora, Chetan (Assoc. Prof.) - CSE
Physical description	:	vii, 115 p.
Subject terms	:	Sensitive metrics Latency sensitive metrics Entropy comparison Infinite resource setting Hyperparameters Energy efficiency
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Title	:	Understanding defects and excited-state properties in pervoskites from many-body perturbation theory
Researcher	:	Manish Kumar
Department	:	Department of Physics, IITD
Year	:	2022
Supervisor	:	Bhattacharya, Saswata (Prof.) - PH
Physical description	:	xxii, 133p.
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