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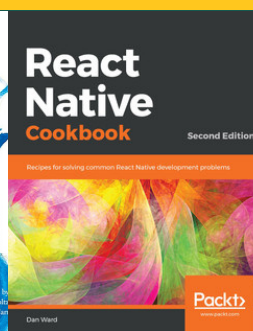
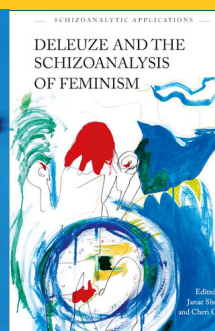
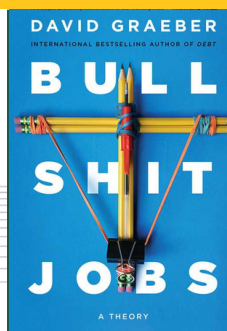
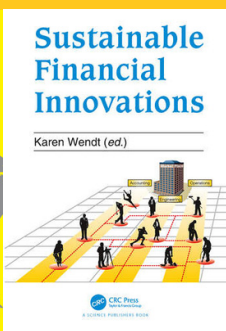
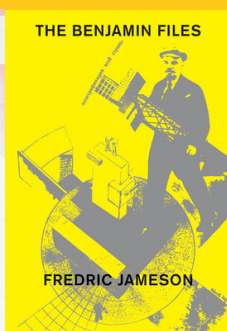
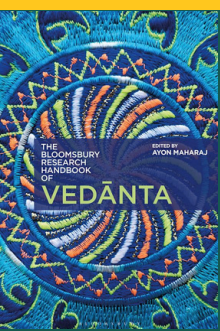
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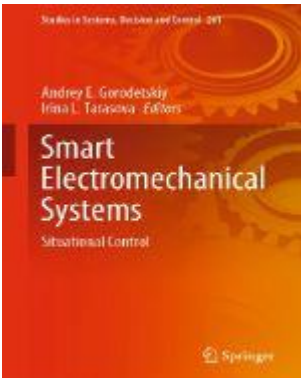
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Centre for Applied Research in Electronics

	High-speed digital system design art, science and experience by Anatoly Belous and Vitali Saladukha. Cham: Springer, 2020. Includes bibliography and index (p.917-933) ISBN: 9783030254117 Subject Terms: Wireless telecommunication systems Packaging technologies Electromagnetic interference Electromagnetic compatibility Intermodulation distortion 621.38/.39 BEL-H 177301; CL Click here for more details.
	Internet of things and access control sensing, monitoring and controlling access in IoT-enabled healthcare systems by Shantanu Pal. Cham: Springer, 2021. - Smart sensors, measurement and instrumentation. Includes bibliography (p. 1-205) ISBN: 9783030649975 Subject Terms: System operation Cryptography Trust model Blockchain technology Identity management models 681.3 PAL-I 177302; CL Click here for more details.
	Smart electromechanical systems situational control edited by Andrey E. Gorodetskiy and Irina L. Tarasova. Cham: Springer, 2020. - Studies in systems, decision and control. Includes bibliography (p. 1-290) ISBN: 9783030327125 Subject Terms: Cyber Physical Systems Situational Control Group Interaction Principles of Bionics Information Processing Technical System Sensors 681.527.2 -SMA 177303; CL Click here for more details.



Dielectric resonator antenna handbook by Aldo Petosa. Norwood: Artech House, 2007.

Includes index (p. 305-308)

ISBN: 9781596932067

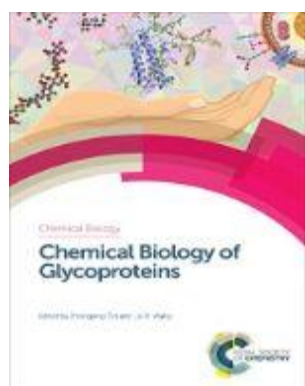
Subject Terms: Polarization Antenna -Different shapes Microstrip line coupling Bandwidth enhancement High dielectric constants Ferrite resonator antennas Planar arrays

621.396.67(021) PET-D

177337; CARE

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Chemistry



Chemical biology of glycoproteins edited by Zhongping Tan and Lai-Xi Wang. Cambridge: Royal Society of Chemistry, 2017. - Chemical biology.

Includes bibliography and index (p.415-421)

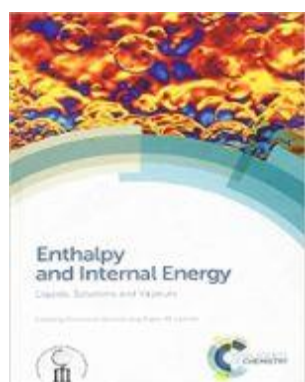
ISBN: 9781782623335

Subject Terms: Metabolic glycoengineering Total chemical synthesis Glycosyltransferases Glycosylation Fully synthetic vaccines

547.963.1:577 -CHE

177297; CL

[Click here for more details.](#)



Enthalpy and internal energy liquids, solutions and vapours edited by Emmerich Wilhelm and Trevor M. Letcher. Croydon: Royal Society of Chemistry, 2017.

Includes bibliography and index (p.611-618).

ISBN: 9781782627111

Subject Terms: Isothermal titration calorimetry Biocalorimetry First-order phase transitions Electrolyte solutions Solubility parameters

544.3 -ENT

177298; CL

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Central Library*



Fundamentals of thermodynamics by Claus Borgnakke and Richard E. Sonntag, 10th ed..New Delhi: Wiley, 2022.

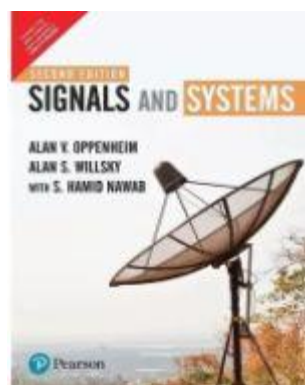
Includes index (p. 766-771)

ISBN: 9789354642210

Subject Terms: Microscopic points Pressure Zeroth law of thermodynamics Energy equation Heat transfer modes Carnot cycle Entropy Exergy Gas power Refrigeration systems Compressible flow
536.7 BOR-F

BB76652-BB76656; BB

[Click here for more details.](#)



Signals and systems by Alan V. Oppenheim, Alan S. Willsky and S. Hamid Nawab, 2nd ed..Noida: Pearson India Education, 2015.

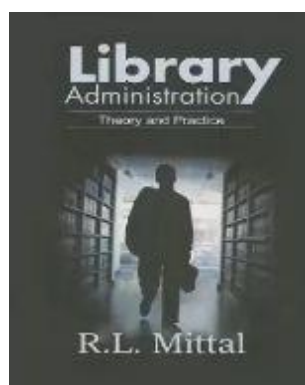
Includes index (p. 937-944)

ISBN: 9789332550230

Subject Terms: Signal theory - Telecommunication System analysis Communication systems Laplace transform Linear feedback systems Sampling theorem
621.391.8 OPP-S

BB76657-BB76661; BB

[Click here for more details.](#)



Library administration theory and practice by R. L. Mittal. New Delhi: Ess Publications, 2007.

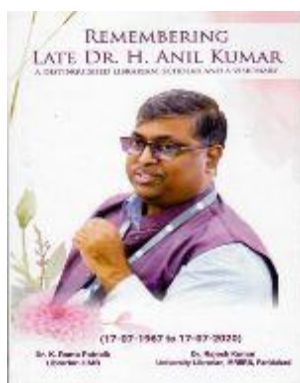
Includes bibliography and index (p. 760-840)

ISBN: 9788170005094

Subject Terms: Ethics of librarianship Library budgeting Book selection Stock verification Reference service
025 MIT-L

177293; CL

[Click here for more details.](#)



Remembering late Dr. H. Anil Kumar a distinguished librarian, scholar and a visionary by K. Rama Patnaik and Rajesh Kumar. New Delhi: Allied Publisher Pvt. Ltd, 2021.

Includes bibliography and index.

ISBN: 9789390951154

Subject Terms: Librarian - academic Tribute Reminiscences Condolence Stalwart of library
023.4(092) PAT-R

177294; CL

[Click here for more details.](#)



Cases on research support services in academic libraries edited by Viviana Fernandez-Marcial and Llarina Gonzalez-Solar. Hershey PA: IGI Global, 2021.

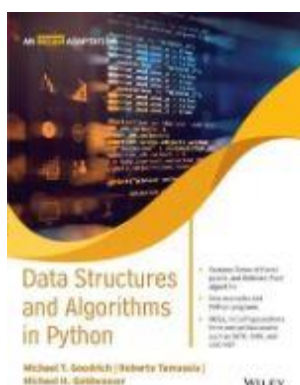
Includes bibliography and index (p. 342-344)

ISBN: 9781799855965

Subject Terms: Research services Data management Data retrieval Faculty relations Library leadership Open science Personalized service Research activity
025.5:027.7 -CAS

177300; CL

[Click here for more details.](#)



Data structures and algorithms in Python by Michael T. Goodrich, Roberto Tamassia and Michael H. Goldwasser. New Delhi: Wiley, 2021.

Includes bibliography and index (p. 765-782)

ISBN: 9789354247866

Subject Terms: Control flow Python conveniences Software development Deep copying Recursion Multidimensional data sets Sorting Algorithms
681.3.01P GOO-D

177320-177322; CL; TB

[Click here for more details.](#)



Digital design with an introduction to the verilog HDL, VHDL, and systemverilog by M. Morris Mano and Michael D. Ciletti, 6th ed..Noida: Pearson Education, 2018.

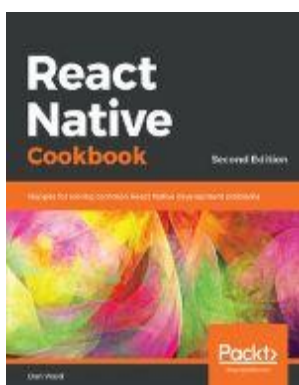
Includes bibliography and index (p. 755-765)

ISBN: 9789353062019

Subject Terms: Digital systems Boolean algebra Combinational logic Programmable logic Asynchronous sequential logic Graphic symbols 681.3 MAN-D

177331-177335; CL; TB

[Click here for more details.](#)



React native cookbook by Daniel Ward recipes for solving common React Native development problems, 2nd ed..Birmingham: Packt Publishing, 2019.

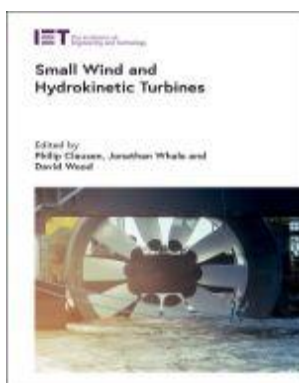
Includes bibliography and index (p.595-601)

ISBN: 9781788991926

Subject Terms: Installation Complex user interfaces Redux App workflow Native applications 681.3.06R WAR-R

177336; CL

[Click here for more details.](#)



Small wind and hydrokinetic turbines edited by Philip Clausen, Jonathan Whale and David Wood. London: IET Publishing, 2022. - IET energy engineering.

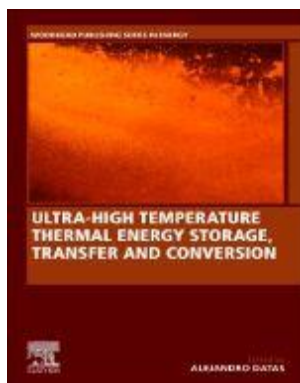
Includes bibliography and index (p. 447-457)

ISBN: 9781839530715

Subject Terms: Clean energy Hydropower Power farms Turbine technology Windmills Energy harvesting 621.548.4:621.224 -SMA

177324; CL

[Click here for more details.](#)



Ultra-high temperature thermal energy storage, transfer and conversion edited by Alejandro Datas. Duxford: Elsevier, 2021. - Woodhead publishing series in energy.

Includes bibliography and index (p.347-356)

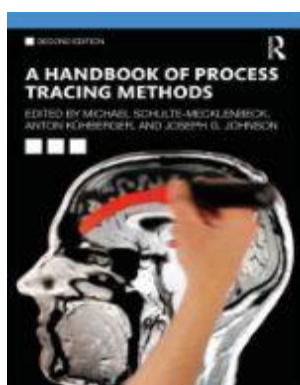
ISBN: 9780128199558

Subject Terms: Heat storage High-temperature operation Thermoelectric energy conversion Thermophotovoltaic energy conversion Thermodynamic cycles

536.2/.45 -ULT

177325; CL

[Click here for more details.](#)



Handbook of process tracing methods edited by Michael Schulte-Mecklenbeck, Anton Kuehberger, Joseph G. Johnson, 2nd ed..Abingdon: Routledge, 2019.

Includes index (p. 388-389)

ISBN: 9781138064218

Subject Terms: Eye fixations - Handbooks, manuals etc. Consumer behavior analysis - Handbooks, manuals etc. Behavioral science - Handbooks, manuals etc. Social cognition - Handbooks, manuals etc. Decision making - Handbooks, manuals etc. Brain stimulation - Handbooks, m

RL-HB 159.9.019.4(021) -HAN

177381; CL

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Computer Science and Engineering



Market design auctions and matching by Guillaume Haeringer. Cambridge: MIT Press, 2017.

Includes index (p. 369-373)

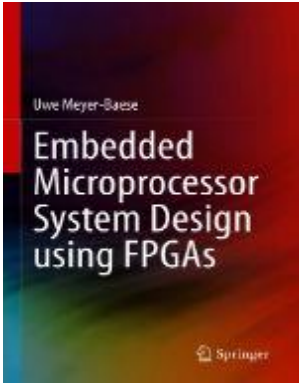
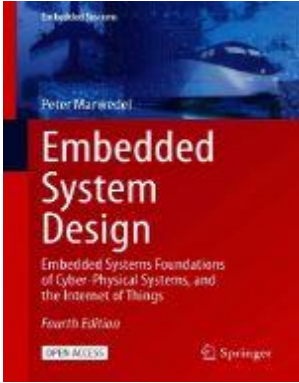
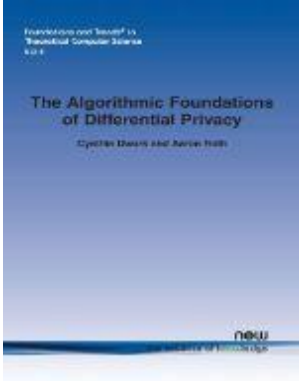
ISBN: 9780262037549

Subject Terms: Microeconomics Bidding Ebay Financial markets Trading Kidney exchange

339.13 HAE-M

177309-177310; CL; CSE

[Click here for more details.](#)

	Embedded microprocessor system design using FPGAs by Uwe Meyer-Baese. Cham: Springer, 2021. Includes bibliography and index (p. 505-509) ISBN: 9783030505325 Subject Terms: Embedded systems Real time systems Hardware codesign Software codesign Embedded software Embedded hardware 681.3.01 MEY-E 177338; CL
	Click here for more details.
	Embedded system design embedded systems foundations of cyber-physical systems, and the internet of things by Peter Marwedel, 4th ed..Cham: Springer, 2021. - Embedded systems. Includes index (p. 431-433) ISBN: 9783030609122 Subject Terms: Embedded system hardware Embedded system software Software codesign Hardware codesign Real time systems Open access 681.3.01 MAR-E 177339; CL
	Click here for more details.
	Algorithmic foundations of differential privacy by Cynthia Dwork and Aaron Roth. Boston: Now Publishers, 2014. ISBN: 9781601988188 Subject Terms: Database security Automatic differentiation Algorithms Cryptography Game theory Computer science - Mathematics Data protection - Mathematics 681.3:517.9 DWO-A 177354-177355; CL; CSE
	Click here for more details.

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Design



Drawing parallels knowledge production in axonometric, isometric and oblique drawings by Ray Lucas. Abingdon: Routledge, 2020.

Includes index (p. 200-203)

ISBN: 9780367660734

Subject Terms: Parallel projections Mimesis James Stirling's Gesamtkunstwerk Axonometry

742.3 LUC-D

177357; CL

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Sketching as design thinking by Alma R. Hoffman. London: Routledge, 2019.

Includes bibliography and index (p.181-189)

ISBN: 9781138579415

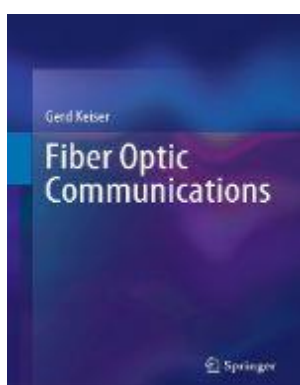
Subject Terms: Visual information processing Sketching-higher education Sketching-attributes Art and design Sketching-history

7.021.2 HOF-S

177358; CL

[Click here for more details.](#)

Electrical Engineering



Fiber optic communications by Gerd Keiser. Singapore: Springer, 2021.

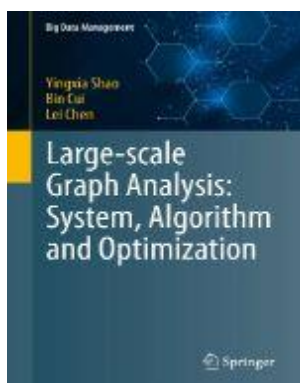
ISBN: 9789813346673

Subject Terms: Optical fiber structures Optical receivers Digital link designs Telecom networks Optical switches Photodetectors Light waveguides Photonic devices

621.391 KEI-F

177304; CL

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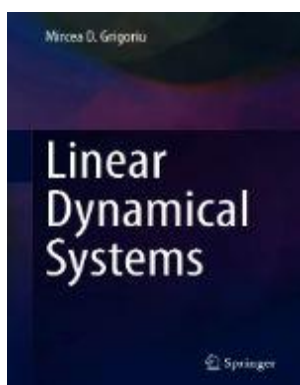
Large-scale graph analysis system, algorithm and optimization by Yingxia Shao, Bin Cui, and Lei Chen. Singapore: Springer, 2020. - Big data management.

ISBN: 9789811539275

Subject Terms: Graph computing systems Subgraph enumeration Graph extraction Big data Pregel like systems Scalability
681.3:519.17 SHA-L

177305; CL

[Click here for more details.](#)



Linear dynamical systems by Mircea D. Grigoriu. Cham: Springer, 2021.

Includes index (p. 151-153)

ISBN: 9783030645540

Subject Terms: Dynamical mechanical systems Structural dynamics Wind engineering Earthquake engineering Wind turbines Eigenvalues Eigenfunctions
531.3 GRI-L

177306; CL

[Click here for more details.](#)

Energy Science and Engineering



Global warming from science to practice by Declan Hernandez. New York: Murphy & Moore, 2022.

ISBN: 9781639872633

Subject Terms: Climate change Global temperature changes Greenhouse effect Aerosols Environmental science

551.583/.588 HER-G

177295; CL

[Click here for more details.](#)



Plasma atomic physics by Frank B. Rosmej, Valery A. Astapenko, Valery S. Lisitsa. Cham: Springer, 2021. - Springer series on atomic, optical, and plasma physics.

Includes bibliography and index (p.645-648)

ISBN: 9783030059668

Subject Terms: Atomic processes in dense plasmas Coherent atomic kinetics Low-temperature plasma Plasma spectroscopy X-ray free electron lasers

533.9:539.1 ROS-P

177296; CL

[Click here for more details.](#)



Data science for wind energy by Yu Ding. Boca Raton: CRC press, 2020.

Includes bibliography and index (p. 367-400)

ISBN: 9780367729097

Subject Terms: Wind field analysis Spatiotemporal Regimeswitching Wind turbine Wake effect analysis Extreme load analysis Fault diagnosis

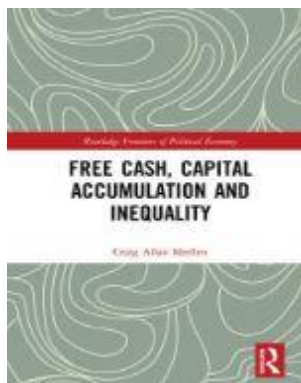
621.548:681.3 DIN-D

177356; CL

[Click here for more details.](#)

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Humanities and Social Sciences



Free cash, capital accumulation and inequality by Craig Allan Medlen. New York: Routledge, 2020. - Routledge frontiers of political economy.

Includes bibliography and index (p.174-178)

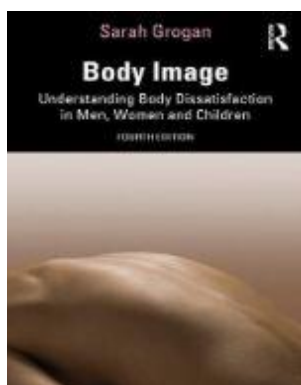
ISBN: 9780367586331

Subject Terms: Michal kalecki's derivation Hobson choice Veblen's Q-Tobin's Q Investment Stock bubble

330.12/.14 MED-F

177311; CL

[Click here for more details.](#)



Body image understanding body dissatisfaction in men, women and children by Sarah Grogan, 4th ed..New York: Routledge, 2022.

Includes bibliography and index (p. 233-250)

ISBN: 9780367569495

Subject Terms: Ethnicity Socioeconomic status Body dissatisfaction Media effects Sexuality Feminine body-social construction Masculine body-social construction

159.923.2 GRO-B

177315; CL

[Click here for more details.](#)



Introduction to political psychology by Martha L. Cottam... (et al.), 4th ed..New York: Routledge, 2022.

Includes index (p. 573-586)

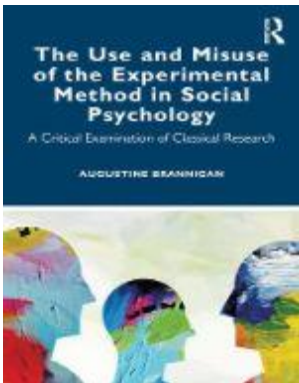
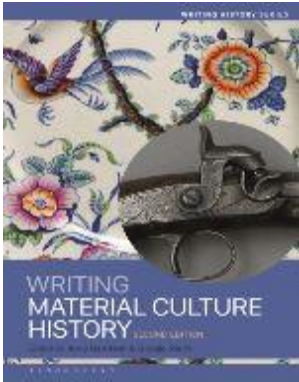
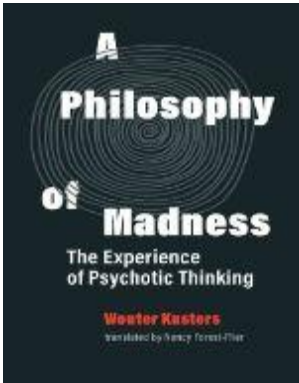
ISBN: 9780367200015

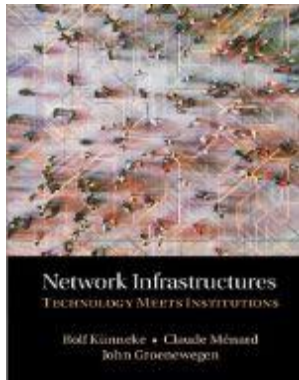
Subject Terms: Personality Politics Political leaders Mass politics Ethnic conflict to genocide Nationalism Social movements International security

32.019.5 -INT

177316; CL

[Click here for more details.](#)

	Use and misuse of the experimental method in social psychology a critical examination of classical research by Augustine Brannigan. Oxon: Routledge, 2021.
	Includes bibliography and index (p.187-215)
	ISBN: 9780367458164
	Subject Terms: Crisis and controversy Gender and psychology Experimental social psychology Scientific demonstration Replication crisis
	316.6:159.9.07 BRA-U
	177317; CL
	Click here for more details.
	Writing material culture history edited by Anne Gerritsen and Giorgio Riello, 2nd ed..London: Bloomsbury, 2021. - Writing history series.
	Includes bibliography and index (p.334-346)
	ISBN: 9781350105225
	Subject Terms: Disciplines Methods Preservation and interpretation History of art Anthropology
	903:008 -WRI
	177363; CL
	Click here for more details.
	Philosophy of madness experience of psychotic thinking by Wouter Kusters. Cambridge: MIT Press, 2020.
	Includes bibliography and index (p.705-738)
	ISBN: 9780262044288
	Subject Terms: Outside time Inside space Detachment Demagination Infinity trap
	1:159.972 -PHI
	177364; CL
	Click here for more details.



Network infrastructures technology meets institutions technology meets institutions by Rolf Künneke, Claude Ménard and John Groenewegen. Cambridge: Cambridge University Press, 2021.

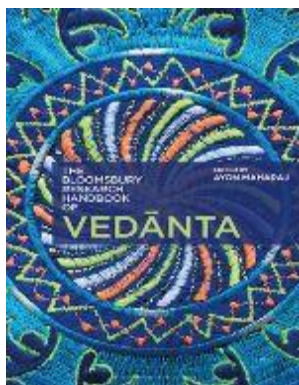
Includes bibliography and index (p.240-265)

ISBN: 9781108832694

Subject Terms: Institutional embeddedness Governance Transactions Socio-technological systems Institutional layers Energy systems
338.583 KUN-N

177365; CL

[Click here for more details.](#)



Bloomsbury research handbook of vedanta edited by Ayon Maharaj. London: Bloomsbury, 2022. - Bloomsbury research handbooks in asian philosophy.

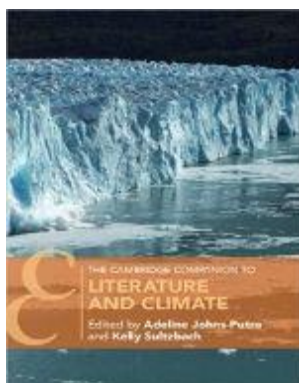
Includes bibliography and index (p.472-491)

ISBN: 9781350355804

Subject Terms: Classical vedanta Modern vedanta Hermeneutic investigations Cross-Cultural interventions Nondual philosophies
RL-HB 231 -BLO

177366; CL

[Click here for more details.](#)



Cambridge companion to literature and climate edited by Adeline Johns-Putra and Kelly Sultzbach. Cambridge: Cambridge University Press, 2022.

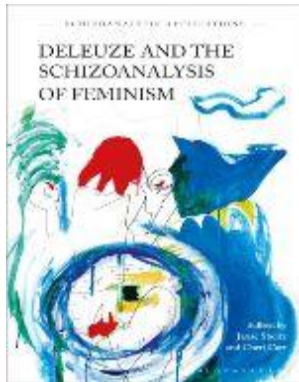
Includes bibliography and index (p. 307-341)

ISBN: 9781009060813

Subject Terms: Climatic changes in literature Climatology in literature Ecocriticism Environmental literature Literary atmospheres
82:551.58 -CAM

177367; CL

[Click here for more details.](#)



Deleuze and the schizoanalysis of feminism edited by Janae Sholtz and Cheri Lynne Carr alliances and allies. London: Bloomsbury, 2021. - Schizoanalytic applications.

Includes index (p. 281-292)

ISBN: 9781350214408

Subject Terms: Feminist psychology Feminist theory Sexuality Aesthetic alliances Asceticism Artistic practice
305-055.2 -DEL

177368; CL

[Click here for more details.](#)



Analysis of panel data by Cheng Hsiao, 4th ed..New York: Cambridge University Press, 2022. - Econometric society monographs series.

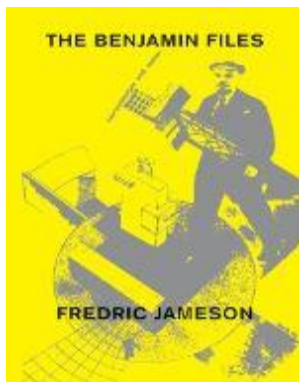
Includes bibliography and index (p.469-516)

ISBN: 9781009060752

Subject Terms: Linear static models Dynamic models Discrete data Variable coefficients Interactive effects models
330.115:519.3 HSI-A

177369; CL

[Click here for more details.](#)



Benjamin files by Fredric Jameson. New York: Verso, 2022.

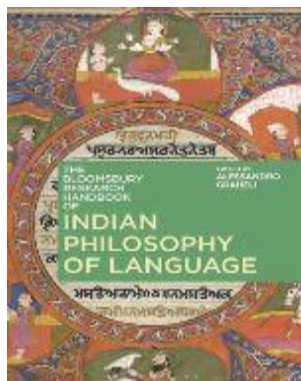
Includes bibliography and index (p. 249-262)

ISBN: 9781839765575

Subject Terms: Anti philosophical Systematic thinker Historical inclination Benjamin's corpus Contemporary theory
141.82 JAM-B

177370; CL

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Bloomsbury research handbook of Indian philosophy of language edited by Alessandro Graheli. London: Bloomsbury, 2022. - Bloomsbury research handbooks in asian philosophy.

Includes bibliography and index (p.453-475)

ISBN: 9781350355798

Subject Terms: Phonemes Word meanings Sentence meaning Navya nyaya semantics Salikanatha

RL-HB 81:1(021) -BLO

177371; CL

[Click here for more details.](#)



Handling qualitative data a practical guide by Lyn Richards, 4th ed..London: SAGE Publications, 2021.

Includes index (p. 309-314)

ISBN: 9781526490773

Subject Terms: Data records Coding Handling ideas Project report Making sense of your data Searching the data

303.022 RIC-H

177372; CL

[Click here for more details.](#)



International economics by Robert C. Feenstra and Alan M. Taylor, 5th ed..New York: Macmillan, 2021.

Includes index (p. I-1 to I-18)

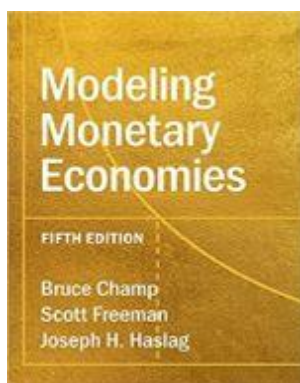
ISBN: 9781319383435

Subject Terms: International trade Trade policies Macroeconomics Exchange rates Balance of payments Policy issues

339.9 FEE-I

177373; HSS

[Click here for more details.](#)



Modeling monetary economies by Bruce Champ, Scott Freeman, Joseph H. Haslag, 5th ed..Cambridge: Cambridge University Press, 2022.

Includes bibliography and index (p.381-390)

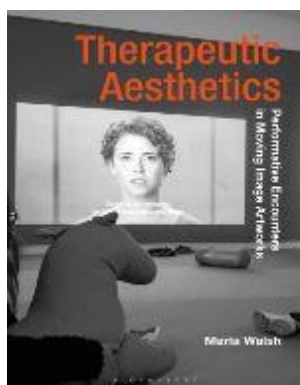
ISBN: 9781009096508

Subject Terms: Money Capital banking Government policy Liquidity risk Savings and investment

336.7 CHA-M

177374; CL

[Click here for more details.](#)



Therapeutic aesthetics performative encounters in moving image artworks by Maria Walsh. London: Bloomsbury Publishing, 2022. - Radical aesthetics-radical art.

Includes bibliography and index (p. 206-227)

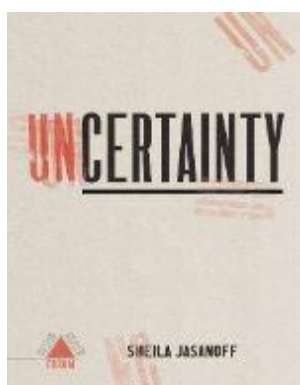
ISBN: 9781350189430

Subject Terms: Supplementary vignettes Imbrication of poison Homeopathic mimicry Pharmacological reparation Transitional pleasures

615.851 WAL-T

177375; CL

[Click here for more details.](#)



Uncertainty by Sheila Jasanoff. Cambridge: Boston Review, 2021.

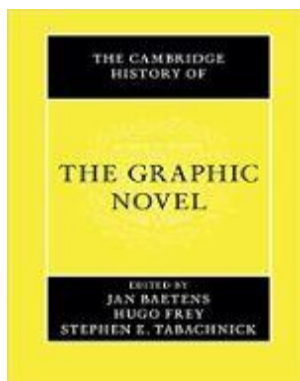
ISBN: 9781946511669

Subject Terms: Humility in pandemic times Ignorance Lives of others Response Uncertain times

165.412 JAS-U

177376; CL

[Click here for more details.](#)



Cambridge history of the graphic novel edited by Jan Baetens, Hugo Frey, and Stephen E. Tabachnick. Cambridge: Cambridge University Press, 2022.

Includes bibliography and index (p. 609-677)

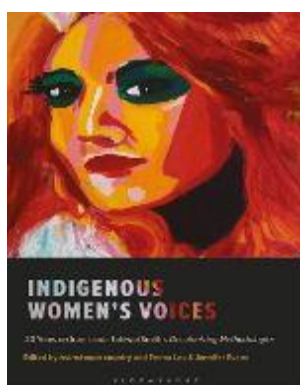
ISBN: 9781316622209

Subject Terms: Comic books Comic Strips Influence Milt gross Academic field Creators

82-311.5 -CAM

177377; CL

[Click here for more details.](#)



Indigenous women's voices 20 years on from Linda Tuhiwai Smith's Decolonizing methodologies edited by Tebrakunna Country, Emma Lee and Jen Evans. London: ZED Books, 2022.

Includes index (p. 243-255)

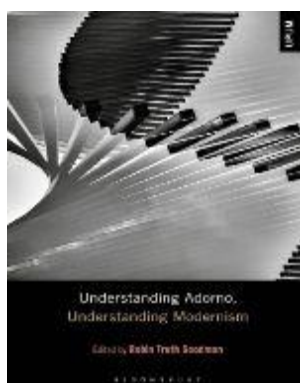
ISBN: 9781786998422

Subject Terms: Country and connection Women safety Violence Racism - Australian universities Wisdom Knowledge Seeing ourselves

305-055.2 -IND

177378; CL

[Click here for more details.](#)



Understanding adorno, understanding modernism edited by Robin Truth Goodman. New York: Bloomsbury, 2022. - Understanding philosophy, understanding modernism.

Includes bibliography and index (p.267-283)

ISBN: 9781501370311

Subject Terms: Critique of modernism Art and animals Art of dehumanization Critical theory of culture Conspiracy against theory

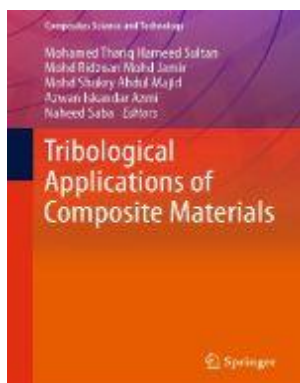
141.78 -UND

177362; CL

[Click here for more details.](#)

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Mechanical Engineering



Tribological applications of composite materials edited by Mohamed Thariq Hameed Sultan... (et al.). Singapore: Springer, 2021. - Composites science and technology.

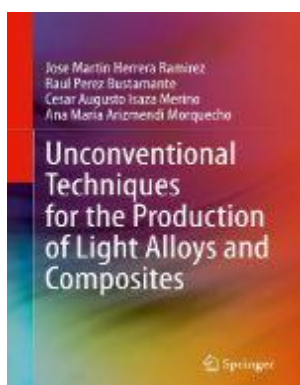
ISBN: 9789811596346

Subject Terms: Hybrid composites Composite scratch resistance Synthetic fiber Ceramics Coatings Corrosion Anti corrosives

621.89:620.1 -TRI

177340; CL

[Click here for more details.](#)



Unconventional techniques for the production of light alloys and composites by Jose Martin Herrera Ramirez... (et al.). Cham: Springer, 2020.

Includes index (p. 197-201)

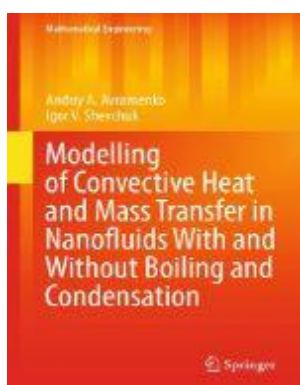
ISBN: 9783030481216

Subject Terms: Light metallic alloys Light alloy composites Additive manufacturing Thermal spray Mechanical properties Aeronautical applications Aerospace applications

669.055 -UNC

177341; CL

[Click here for more details.](#)



Modelling of convective heat and mass transfer in nanofluids with and without boiling and condensation by Andriy A. Avramenko and Igor V. Shevchuk. Cham: Springer, 2022. - Mathematical engineering.

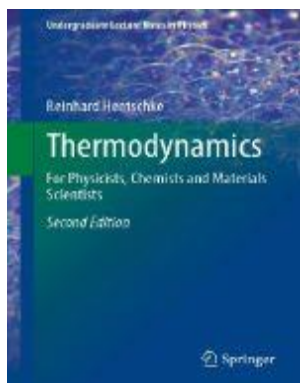
ISBN: 9783030950804

Subject Terms: Analytical methods Numerical analysis Reactive flows Dean instability Symmetry forms

536.24 AVR-M

177342; CL

[Click here for more details.](#)



Thermodynamics for physicists, chemists and materials scientists by Reinhard Hentschke, 2nd ed..Cham: Springer, 2022. - Undergraduate lecture notes in physics.

Includes index (p. 343-348)

ISBN: 9783030938789

Subject Terms: Equilibrium thermodynamics Microscopic interactions Molecular simulation Thermodynamic functions Transport phenomena Polymer physical chemistry Black hole entropy

536.7 HEN-T

177343; CL

[Click here for more details.](#)



Computational mechanics of fluid-structure interaction computational methods for coupled fluid-structure analysis by Rajeev Kumar Jaiman and Vaibhav Joshi. Singapore: Springer, 2022.

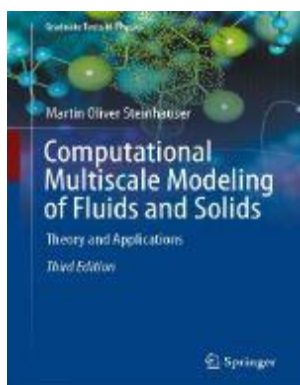
ISBN: 9789811653544

Subject Terms: Bluff bodies Flapping foil Flapping dynamics Vortex-induced vibration Linear stability analysis Gap ratio effect Galloping

532:519.6 JAI-C

177344; ME

[Click here for more details.](#)



Computational multiscale modeling of fluids and solids theory and applications by Martin Oliver Steinhauser, 3rd ed..Cham: Springer, 2022. - Graduate texts in physics.

Includes index (p. 429-432)

ISBN: 9783030989538

Subject Terms: Aerodynamics simulation Atmosphere dynamics Atmosphere simulation Hydrodynamics simulation Interatomic dynamics Interatomic simulation Molecular dynamics Ocean dynamics Shock wave dynamics Tensor analysis

532.5:681.3 STE-C

177345; ME

[Click here for more details.](#)

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Management Studies



Creating innovation spaces Impulses for start-ups and established companies in global competition edited by Volker Nestle, Patrick Glauner, Philipp Plugmann. Cham: Springer, 2021. - Management for professionals.

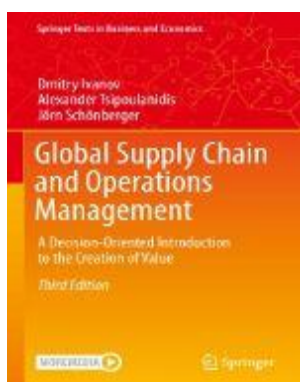
ISBN: 9783030576417

Subject Terms: Digital workplace Coworking spaces Platform economics Fourth industrial revolution Small and medium enterprises

658.589 -CRE

177307; CL

[Click here for more details.](#)



Global supply chain and operations management a decision-oriented introduction to the creation of value by Dmitry Ivanov, Alexander Tsipoulidis, Jorn Schonberger, 3rd ed..Cham: Springer, 2021. - Springer texts in business and economics.

Includes bibliography and index (p.667-673)

ISBN: 9783030723309

Subject Terms: Decision making Operations management Demand forecasting Production management Routing and scheduling

658.78 IVA-G

177361; CL

[Click here for more details.](#)



Technology and business strategy digital uncertainty and digital solutions edited by Igor Stepanov. Cham: Springer, 2021.

Includes bibliography and index (p. 309-314)

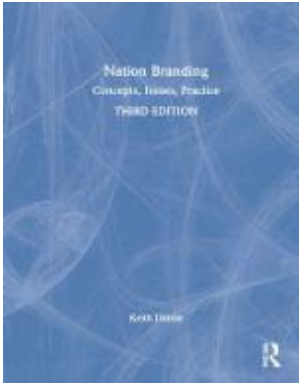
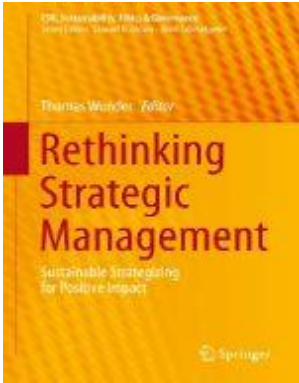
ISBN: 9783030639730

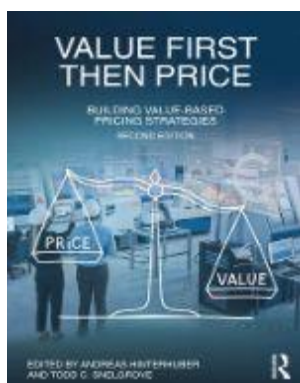
Subject Terms: Leadership Artificial intelligence Economic security Digital environment Digital trade route Technological leadership Urban mobility Sustainable development goals Corporate governance

658:681.3 -TEC

177308; CL

[Click here for more details.](#)

	Nation branding concepts, issues, practice by Keith Dinnie, 3rd ed..Abingdon: Routledge, 2022. Includes bibliography and index (p. 263-267) ISBN: 9780367569891 Subject Terms: Place marketing Nation - State Branding - Marketing International relations Brand equity 005.44:658.82 DIN-N 177312; CL Click here for more details.
	Public sector strategy concepts, cases and tools by Mark Crowder, Mohammad Roohanifar, Trevor A. Brown. London: Routledge, 2022. Includes index (p. 235-239) ISBN: 9780367361754 Subject Terms: Public sector Neo-institutional theory Public administration - Decision making Strategic planning Cognitive causal mapping 35:005.53 CRO-P 177313; CL Click here for more details.
	Rethinking strategic management sustainable strategizing for positive Impact edited by Thomas Wunder. Cham: Springer, 2019. - CSR, sustainability, ethics & governance. ISBN: 9783030060121 Subject Terms: Corporate social responsibility Strategic planning Sustainable business model Sustainable management Sustainable product offering Sustainable service offering 005.21:174 -RET 177314; CL Click here for more details.



Value first, then price building value-based pricing strategies edited by Andreas Hinterhuber and Todd C. Snelgrove, 2nd ed..Abingdon: Routledge, 2022.

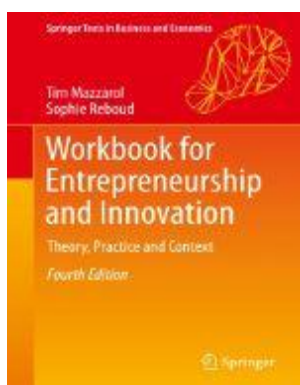
Includes index (p. 263-272)

ISBN: 9781032012124

Subject Terms: Selling value Buying Customer value Business markets Value quantification B2B purchasing Change management Epilogue
338.5:658.8 -VAL

177318; 177352; CL; MS

[Click here for more details.](#)



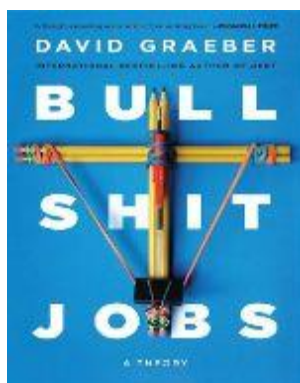
Workbook for entrepreneurship and innovation theory, practice and context by Tim Mazzarol and Sophie Reboud, 4th ed..Singapore: Springer, 2020. - Springer texts in business and economics.

ISBN: 9789811394157

Subject Terms: Commercialisation Business strategy Innovation adoption Team building Leadership Social entrepreneurship Competitive advantage Risk management
005.342 MAZ-W

177319; 177353; CL; MS

[Click here for more details.](#)



Bullshit jobs a theory by David Graeber. New York: Simon & Schuster, 2019.

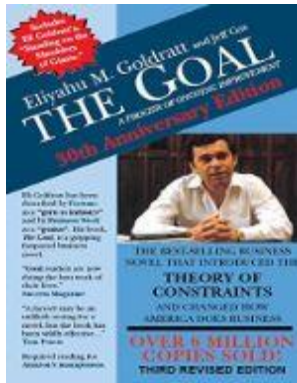
Includes bibliography (p. 327-333)

ISBN: 9781501143335

Subject Terms: Employment Managerial feudalism Labor theory Robotization Bureaucracy
331.101.32 GRA-B

177329; CL

[Click here for more details.](#)



Goal a process of ongoing improvement by Eliyahu M. Goldratt and Jeff Cox. Great Barrington: The North River Press, 2014.

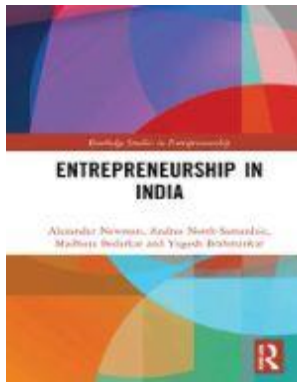
ISBN: 9780884271956

Subject Terms: Business novel Making money Business operations
Production management Management skills

658.5:82-3 GOL-G

177330; CL

[Click here for more details.](#)



Entrepreneurship in India by Alexander Newman... (et al.). Abingdon: Routledge, 2022. - Routledge studies in entrepreneurship.

Includes index (p. 180-187)

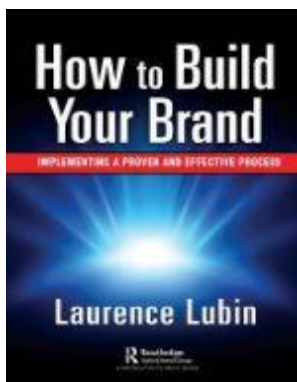
ISBN: 9780367497699

Subject Terms: Entrepreneurial transformation Private enterprises
Women's entrepreneurship Financing entrepreneurship in India Indian
culture - Entrepreneurship Indian entrepreneurs

658.1(540) -ENT

177346; CL

[Click here for more details.](#)



How to build your brand implementing a proven and effective process by Laurence Lubin. Abingdon: Routledge, 2022.

Includes index (p. 193-196)

ISBN: 9781032121468

Subject Terms: Brand driven companies Brand building Cultural beliefs
Human beliefs Money making strategies

658.8 LUB-H

177347; 177351; CL; MS

[Click here for more details.](#)



Managing digital transformation understanding the strategic process edited by Andreas Hinterhuber, Tiziano Vescovi, and Francesca Checchinato. Abingdon: Routledge, 2021.

Includes index (p. 278-282)

ISBN: 9780367441975

Subject Terms: Business models Digital capabilities Big data Marketing approach Customer-centric innovation Digital thinking

658:681.3 -MAN

177348; CL

[Click here for more details.](#)



Sustainable financial innovation edited by Karen Wendt. Boca Raton: CRC Press, 2020.

Includes index (p. 307-308)

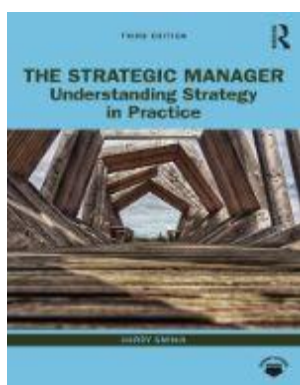
ISBN: 9780367780470

Subject Terms: Green bonds Impact investing Social impact incentives Swiss investments Social entrepreneurship Social capitalism Tax sustainability

336 -SUS

177349; MS

[Click here for more details.](#)



Strategic manager understanding strategy in practice by Harry Sminia, 3rd ed..Abingdon: Routledge, 2022.

Includes index (p. 199-210)

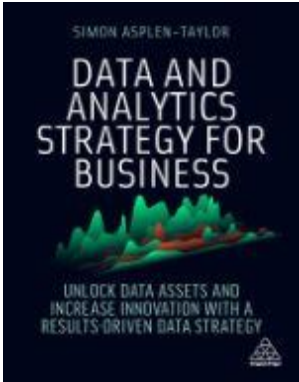
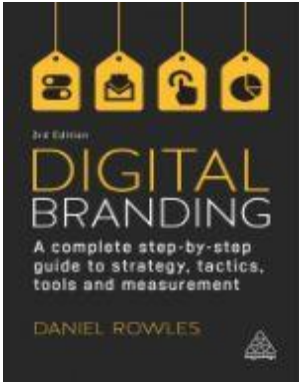
ISBN: 9780367468064

Subject Terms: Strategic management Marketing Strategic thinking Spotify Judges scientific Institutional theory Organizational culture

005.21 SMI-S

177350; CL

[Click here for more details.](#)

	Supply chain analytics concepts, techniques and applications by Kurt Y. Liu. Cham: Springer, 2022. Includes index (p. 371-377) ISBN: 9783030922238 Subject Terms: Supply chains Business logistics - Data processing Data science Logistics management Business analytics Data science for business Supply chain management 658.78:681.3 LIU-S 177359-177360; CL; MS Click here for more details.
	Data and analytics strategy for business unlock data assets and increase innovation with a results-driven data strategy by Simon Asplen-Taylor. London: Kogan Page, 2022. Includes index (p. 300-305) ISBN: 9781398606050 Subject Terms: Management - Statistical methods Data mining Risk management Data governance Data risk management Data science Leadership 658:005.21 ASP-D 177382; MS Click here for more details.
	Digital branding a complete step-by-step guide to strategy, tactics, tools and measurement by Daniel Rowles, 3rd ed..London: Kogan Page, 2022. Includes index (213-216p.) ISBN: 9781398603189 Subject Terms: Digital brand strategy Internet marketing Reputation Success - Business Transmedia campaigns Social media Online advertising Email marketing Marketing automation 658.8:681.5 ROW-D 177383; MS Click here for more details.



FINTECH book the financial technology handbook for investors, entrepreneurs and visionaries edited by Susanne Chishti and Janos Barberis. West Sussex: Wiley, 2016.

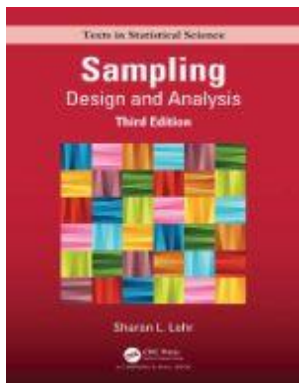
Includes bibliography and index (p.291-300)

ISBN: 9781119218876

Subject Terms: Capital and investment Crowdfunding and marketplace Enterprise innovation Payment solutions FinTech supermarket 336 -FIN

177384-177385; CL; MS

[Click here for more details.](#)



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

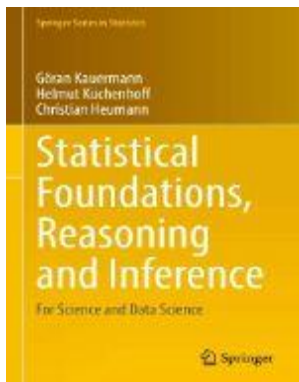
Includes bibliography and index (593-650p.)

ISBN: 9780367279509

Subject Terms: Questionnaire Design Nonsampling errors Sampling weights Random sampling Computer programs 519.243 LOH-S

177386; MS

[Click here for more details.](#)



Statistical foundations, reasoning and inference for science and data science by Goran Kauermann, Helmut Küchenhoff and Christian Heumann. Cham: Springer, 2021. - Springer series in statistics.

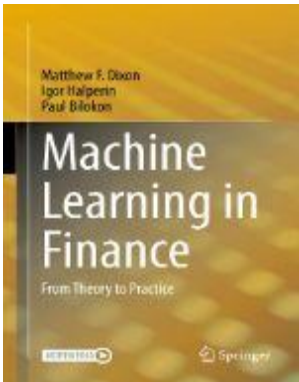
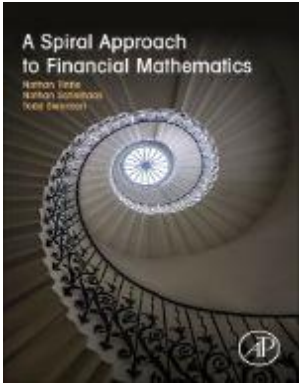
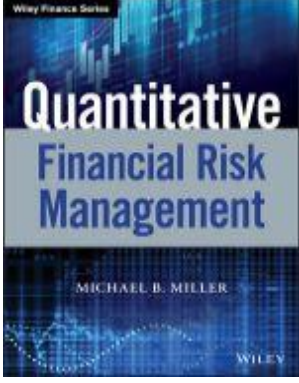
Includes index (p. 347-356)

ISBN: 9783030698263

Subject Terms: Mathematical statistics Statistics - Methodology Artificial intelligence Data mining Data structures Bayesian statistics Bootstrapping Missing data 519.2 KAU-S

177387; MS

[Click here for more details.](#)

	Machine learning in finance from theory to practice by Matthew F. Dixon, Igor Halperin, and Paul Bilokon. Cham: Springer, 2020. Includes index (p. 543-548) ISBN: 9783030410704 Subject Terms: Financial mathematics Financial econometrics Neural networks Bayesian neural networks Reinforcement learning Investment management Wealth Management Time series modeling 681.3:336 DIX-M
	177388-177389; CL; MS Click here for more details.
	Spiral approach to financial mathematics by Nathan Tintle, Nathan Schelhaas, and Todd Swanson. London: Academic Press, 2018. Includes bibliography and index (p. 581-591) ISBN: 9780128015803 Subject Terms: Borrowing Regular payments Lending Savings revisited Loans revisited Bonds Portfolios 519.86:005.915 TIN-S
	177390; CL Click here for more details.
	Quantitative financial risk management by Michael B. Miller. New Jersey: Wiley, 2019. - Wiley finance series. Includes bibliography and index (p. 297-305) ISBN: 9781119522201 Subject Terms: Market risk Extreme value theory Portfolios Risk attribution Credit risk Liquidity risk Bayesian analysis 005.52:005.334 MIL-Q
	177391; MS Click here for more details.



Economics of banking by Jin Cao. Abingdon: Routledge, 2022.

Includes bibliography and index (p. 605-641)

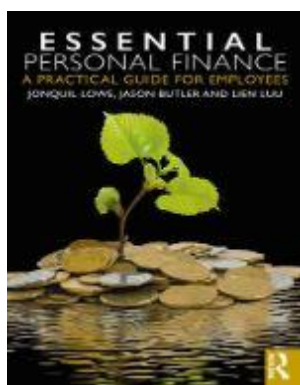
ISBN: 9780367405724

Subject Terms: Microeconomics Fragile banks Securitized banking
Macroeconomics Political economy International banking Banking
regulation Macroprudential regulation Central banking

336.71 CAO-E

177392; CL

[Click here for more details.](#)



Essential personal finance a practical guide for employees by Jonquil Lowe, Jason Butler, and Lien Luu. Abingdon: Routledge, 2019.

Includes index (p. 241-247)

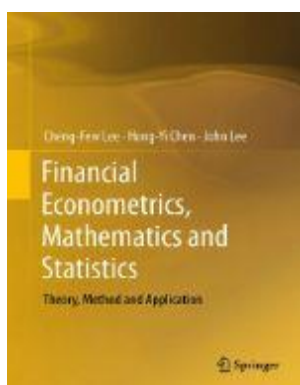
ISBN: 9781138488151

Subject Terms: Financial planning Wealth through saving Income
Workplace pension Loans - Credit Building resilience

336.581-057.16 LOW-E

177393; CL

[Click here for more details.](#)



Financial econometrics, mathematics and statistics theory, method and application by Cheng-Few Lee, Hong-Yi Chen, and John Lee. New York: Springer, 2019.

Includes index (p. 653-655)

ISBN: 9781493994274

Subject Terms: Panel data analysis Statistical distributions Time series
analysis Multiple regression Heteroscedasticity Asset allocation Credit
risk ARCH method LISREAL method

330.43:519.2 LEE-F

177394-177395; CL; MS

[Click here for more details.](#)

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Physics



Electron-atom collisions quantum-relativistic theory and exercises by Maurizio Dapor. Berlin: De Gruyter, 2022. - De Gruyter graduate.

Includes bibliography and index (p. 177-180)

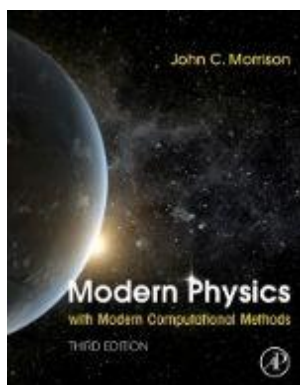
ISBN: 9783110675351

Subject Terms: Applied mathematics Plasma physics Materials sciences Quantum physics Atomic potential energy Density matrix Dirac theory of atoms

539.186:530.145 DAP-E

177326-177327; CL; PH

[Click here for more details.](#)



Modern physics with modern computational methods by John Morrison, 3rd ed..London: Elsevier, 2021.

Includes bibliography and index (p.421-428)

ISBN: 9780128177907

Subject Terms: Wave-Particle duality Schrödinger wave equation Hydrogen atom Diatomic molecules Particle physics

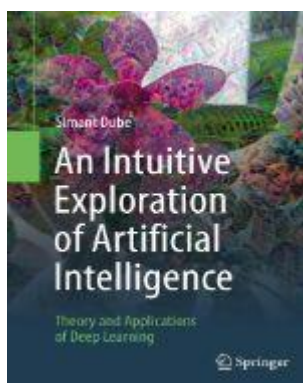
53 MOR-M

177328; CL

[Click here for more details.](#)

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School of Artificial Intelligence



Intuitive exploration of artificial intelligence theory and Applications of Deep Learning by Simant Dube. Cham: Springer, 2021.

Includes index (p. 347-352)

ISBN: 9783030686260

Subject Terms: Machine learning Neural networks Natural language processing Image classification Computer vision Reinforcement learning Ethical AI

681.3 DUB-I

177379-177380; CL; SAI

[Click here for more details.](#)

School of Biological Sciences



Current laboratory methods in neuroscience research edited by Huangui Xiong and Howard E. Gendelman. New York: Springer, 2014. - 2014 Springer EBA Collection.

Includes bibliography and index (p. 561-585)

ISBN: 9781461487937

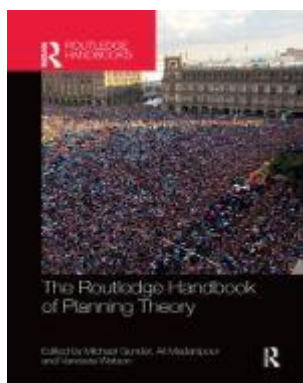
Subject Terms: Human Neurons | Stereological analysis | Hippocampal slices | Electron Microscopy | Microinjection | Brain Tissue

616.8:001.891.5 -CUR

177079-177080; CL; SBS

[Click here for more details.](#)

School of Public Policy



Routledge handbook of planning theory edited by Michael Gunder, Ali Madanipour and Vanessa Watson. Oxfordshire: Routledge, 2019.

Includes bibliography and index (p.351-361)

ISBN: 9780367331955

Subject Terms: Strategic planning Communicative planning Conflict and agonism Actor-Network theory Evolutionary governance theory

RL-HB 711.4(021) -ROU

177292; CL

[Click here for more details.](#)

Textile and Fibre Engineering

Wool Fiber Reinforced Polymer Composites



Edited by Sabu Thomas and Seiko Jose



THE TEXTILE INSTITUTE BOOK SERIES

Wool fiber reinforced polymer composites edited by Sabu Thomas and Seiko Jose. Massachusetts: Elsevier, 2022. - The Textile institute book series.

Includes bibliography and index (p.447-452)

ISBN: 9780128240564

Subject Terms: Wool structure Wool fiber morphology Nanotechnological intervention Wool processing Wool keratin Wool blending Keratin extraction

677.31 -WOO

177299; CL

[Click here for more details.](#)

Handbook of Nonwovens

Second edition



Edited by S.J. Russell



THE TEXTILE INSTITUTE BOOK SERIES

Handbook of nonwovens edited by S.J. Russell, 2nd ed..Cambridge: Elsevier, 2022. - The textile institute book series.

Includes bibliography and index (p.627-635)

ISBN: 9780128189122

Subject Terms: Nonwovens industry Drylaid web formation Spunmelt nonwovens Characterisation Thermal bonding

RL-HB 677.076.4(021) -HAN

177323; CL

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Researcher	: Bano, Farhat
Department	: Centre for Rural Development and Technology, IITD
Year	: 2022
Supervisor	: Malik, Anushree (Prof.) - CRDT Ahammad, Shaikh Z. (Assoc. Prof.) - BEB
Physical description	: xvi,161 p.
Subject terms	: Heavy metals Temporal variation Biosorption Conventional method Biological oxygen demand
Barcode	: TH6901
Call No.	: TH 621.646.96(540.23) BAN-A
Title	: Coupled magneto-elastic and electro-elastic effects in rods by Darius Diogo Barreto
Researcher	: Barreto, Darius Diogo
Department	: Department of Applied Mechanics, IITD
Year	: 2022
Supervisor	: Kumar, Ajeet (Prof.) - AM
Physical description	: xi,129 p.
Subject terms	: Torsion Inflation Extension Effective Poisson's ratio Polarization
Barcode	: TH6902
Call No.	: TH 539.52:537.6/.8 BAR-C
Title	: Responsive nature and functional activities of UO ₂ (VI) ION on interaction with (O,N) and (O, N, S/Se) based acyclic and cyclic donor bases by Deepa Bhardwaj
Researcher	: Bhardwaj, Deepa
Department	: Department of Chemistry, IITD
Year	: 2022
Supervisor	: Singh, Jai Deo (Prof.) - CHY
Physical description	: xxi, 239p.
Subject terms	: Donor species-synthesis Physicochemical studies Spectral studies Uranyl complexes Mass spectroscopy studies NMR studies
Barcode	: TH6903
Call No.	: TH 544.134:547.2 BHA-R

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Title	: Micro and nano fabrication of terahertz waveguide components by Rakesh Kumar Bhardwaj
Researcher	: Bhardwaj, Rakesh Kumar
Department	: Department of Mechanical Engineering, IITD
Year	: 2022
Supervisor	: Bhatnagar, Naresh (Prof.) - ME
Physical description	: xvii, 143p.
Subject terms	: EM waves Em Spectrum Terahertz technology Millimeter-wave Micromachining Transmission measurement
Barcode	: TH6904
Call No.	: TH 621.372.8:620.3 BHA-M

Title	: Entropy stable schemes for relativistic flows by Deepak Bhoriya
Researcher	: Bhoriya, Deepak
Department	: Department of Mathematics, IITD
Year	: 2022
Supervisor	: Kumar, Harish (Assoc. Prof.) - MA
Physical description	: xxiii, 213 p.
Subject terms	: Cauchy problem Viscosity Gas dynamics Hyperbolic conservation laws Maxwell's equation
Barcode	: TH6905
Call No.	: TH 544.182.7:322 BHO-E

Title	: New synthetic and catalytic methods for the oxidation of benzyl amines, benzyl alcohols and styrenes and reduction of levulinic acid by Pritam Dolui
Researcher	: Dolui, Pritam
Department	: Department of Chemistry, IITD
Year	: 2022
Supervisor	: Elias, Anil J. (Prof.) - CHY
Physical description	: xxvii, 243 p.
Subject terms	: Stability Ferrocene Organic transformation Reducing agent Ligand
Barcode	: TH6906
Call No.	: TH 66.094.1 DOL-N

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Title	: Investigation of the role of ESX5 associated Mycobacterium tuberculosis PE18 and PPE26 proteins during the host-pathogen interplay by Aquib Ehtram
Researcher	: Ehtram, Aquib
Department	: Kusuma School of Biological Sciences, IITD
Year	: 2022
Supervisor	: Hasnain, Seyed E. (Prof.) - SBS Perumal, Vivekanandan (Prof.) - SBS
Physical description	: xx,153 p.
Subject terms	: Receptors Macrophages Infection Antibodies Polarization
Barcode	: TH6907
Call No.	: TH 579.873.2 EHT-I

Title	: Broadband plasmonic nanostructures for ultrasensitive surface-enhanced Raman spectroscopy detection by Govind Kumar
Researcher	: Govind Kumar
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Soni, R. K. (Prof.) - PH
Physical description	: xxviii,218 p.
Subject terms	: Nanoplates; Nanostructures; Raman spectroscopy
Barcode	: TH6908
Call No.	: TH 543.424.2 GOV-B

Title	: Domination and its variations structural and algorithmic study by Pooja Goyal
Researcher	: Goyal, Pooja
Department	: Department of Mathematics, IITD
Year	: 2022
Supervisor	: Panda, Bhawani Sankar (Prof.) - MA
Physical description	: xxiii,253 p.
Subject terms	: Connecting power Bipartite graph Chordal graph Chain graph Threshold graph
Barcode	: TH6909
Call No.	: TH 510.54 GOY-D

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Title	: Study of non-performing loans (asset quality) in the banking sector evidence from India by Prashant Kumar Gupta
Researcher	: Gupta, Prashant Kumar
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: Sharma, Seema (Prof.) - MS
Physical description	: xxiii,189 p,
Subject terms	: Corporate governance Statistical software Sample size Capital adequacy Committee
Barcode	: TH6910
Call No.	: TH 336(540) GUP-S

Title	: Numerical study of recovery processes in offshore wind farms by Tanvi Gupta
Researcher	: Gupta, Tanvi
Department	: Centre for Atmospheric Science, IITD
Year	: 2022
Supervisor	: Roy, Somnath Baidya (Prof.) - CAS
Physical description	: xxi,132 p.
Subject terms	: Sea breeze Power production Meteorological dataset Mesoscale fluxes Momentum
Barcode	: TH6911
Call No.	: TH 621.311.245 GUP-N

Title	: Computationally efficient finite element formulation for blood flow analysis in deformable blood vessels by MD. Hasan
Researcher	: Hasan, MD.
Department	: Department of Applied Mechnics, IITD
Year	: 2022
Supervisor	: Patel, B. P. (Prof.) - AM Pradyumna, S. (Prof.) - AM
Physical description	: xxxiii,155 p.
Subject terms	: Artery Propagation Velocity Aorta network Non-newtonian blood models
Barcode	: TH6912
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Title	: Synthesis and characterization of vanadium pentoxide micro/nano-structures and its NO ₂ gas sensing application by Hemlata
Researcher	: Hemlata
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Bhatnagar, Mukesh C (Prof.) - PH Das, Pintu (Assoc. Prof.) - PH
Physical description	: xx,127 p.
Subject terms	: Magnetic materials Chemical vapor Electron microscopy Morphological analysis Imaging mode
Barcode	: TH6913
Call No.	: TH 546.881.5 HEM-S
Title	: Rheological and viscoelastic properties of asphalt binder modified with nano-silica and sasobit by Karanjeet Kaur
Researcher	: Kaur, Karanjeet
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Swamy, Aravind Krishna (Assoc. Prof.) - CE
Physical description	: xliii,349 p.
Subject terms	: Neat bitumen problems Reduction Susceptibility resistance Temperature Black space diagram
Barcode	: TH6914
Call No.	: TH 665.7.035.6 KAU-R
Title	: Sub-Terahertz sensing and imaging techniques for non-invasive glucose measurement and tumor margin assessment applications by Priyansha Kaurav
Researcher	: Kaurav, Priyansha
Department	: Centre for Applied Research in Electronics , IITD
Year	: 2022
Supervisor	: Koul, Shibani K. (Prof.) - CARE Basu, Ananjan (Prof.) - CARE
Physical description	: xviii, 140p.
Subject terms	: Dielectric Spectroscopy Tissue mimicking Phantoms Machine Learning Breast tumor margin Numerical Phantoms
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Title	: Study of the effect of organic molecular passivation and localized surface plasmon resonance on solar-blind photodetectors based on III-nitrides by Shuchi Kaushik
Researcher	: Kaushik, Shuchi
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Singh, Rajendra (Prof.) - PH Rao, V. Ramgopal (Prof.) - EE
Physical description	: xxiii, 145p.
Subject terms	: Metal geometry Ultraviolet radiation Nanoparticles Electron Microscopy Photodetection mechanism
Barcode	: TH6916
Call No.	: TH 539.198:535.215 KAU-S
Title	: Evacuation simulation and emergency exit choice behaviour analysis a case study of the metro station by Tarapada Mandal
Researcher	: Mandal, Tarapada
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Rao, K. Ramachandra (Prof.) - TRIPC Teewari Geetam (Prof.) - TRIPC
Physical description	: xvii, 162p.
Subject terms	: Wheelchair assisted evacuation Learning model calibration Socio-demography Machine learning modelling Descriptive statistic
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Title	: Functional self-assembling systems synthesis and biophysical characterization by Govind Prasad Maurya
Researcher	: Maurya, Govind Prasad
Department	: Department of Chemistry, IITD
Year	: 2022
Supervisor	: Haridas, V. (Prof.) - CHY
Physical description	: xxxv, 233 p.
Subject terms	: Small peptide Aromatic-based peptide Hydrophobic force Chirality Dialkynes
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Title	: Study of dialysis-related B2 microglobulin amyloid fibrillation and its inhibition by Devanshu Mehta
Researcher	: Mehta, Devanshu
Department	: Kusuma School of Biological Sciences, IITD
Year	: 2022
Supervisor	: Chaudhuri, Tapan K. (Prof.) - SBS
Physical description	: xvii, 115p.
Subject terms	: Protein folding-misfolding Amyloidosis Pathophysiology DRA-current treatment method B2 amyloid fibrillation
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Title	: Stability assessment of inverter-based resources integrated power grids by Diptak Pal
Researcher	: Pal, Diptak
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Panigrahi, Bijaya Ketan (Prof.) - EE
Physical description	: xxvii, 149 p.
Subject terms	: Current control Hardware-in-the-loop Reactive power Short circuit ratio Voltage control
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Title	: Nanomechanics of Bombyx mori silk fibroin-hydroxyapatite nanocomposite using molecular dynamics simulations by Mrinal Patel
Researcher	: Patel, Mrinal
Department	: Department of Mechanical Engineering, IITD
Year	: 2022
Supervisor	: Singh, S. P. (Prof.) - ME Dubey, Devendra (Assoc. Prof.) - ME
Physical description	: xxvi, 212 p.
Subject terms	: Biomaterial Bone tissue Crystalline Amorphous Strain
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Title : Modeling and design of MEMS devices by Ananya Roy
 Researcher : Roy, Ananya
 Department : Department of Electrical Engineering, IITD
 Year : 2022
 Supervisor : Janardhanan, S. (Assoc. Prof.) - EE
 Physical description : xx,116 p.
 Subject terms : Thermoelectric generator Microgripper Sensitivity Model equation
 Relative error
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Title : Spintronics-based neuromorphic computing new devices and architectures by Upasana Sahu
 Researcher : Sahu, Upasana
 Department : Department of Electrical Engineering, IITD
 Year : 2022
 Supervisor : Bhowmik, Debanjan (Asst. Prof.) - EE Muduli, Pranaba Kishor (Assoc. Prof.) - PH
 Physical description : 115 p.
 Subject terms : Orbit Wall motion Spiking neural network Metrics Hardware
 Barcode : TH6923
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Title : Billiards on hyperbolic tables by Pardeep Singh
 Researcher : Singh, Pardeep
 Department : Department of Mathematics, IITD
 Year : 2022
 Supervisor : Nagar, Anima (Prof.) - MA
 Physical description : viii,90 p.
 Subject terms : Polygons Symbolic dynamics Geodesics Spaces Vershik maps
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Title	: Implications of reactivity of permeable reactive barrier (PRB) for remediation of multiple contaminants and its long-term performance evaluation by Rahul Singh
Researcher	: Singh, Rahul
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Birke, Volker (Prof.) - Hochschule Wismar Chakma, Sumedha (Assoc. Prof.) - CE
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Subject terms	: Longevity Hydraulic performance Groundwater Degradation pathway Chemical reagents
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Title	: Effective and intuitive tools for ophthalmic disorders by Rijul Saurabh Soans
Researcher	: Soans, Rijul Saurabh
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Gandhi, Tapan Kumar (Prof.) - EE Saxena, Rohit (Prof.) - AIIMS, Delhi Cornelissen, Frans W. (Prof.) - University of Groningen
Physical description	: xxiii,156 p.
Subject terms	: Visual fields Defects Extra-retinal cues Eye-tracking apparatus Virtual reality
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Title	: Influence of large-scale antarctic orography and ice sheets on atmospheric circulation and energy transport by Kamal Tewari
Researcher	: Tewari, Kamal
Department	: Department of Applied Mechanics, IITD
Year	: 2022
Supervisor	: Dewan, Anupam (Prof.) - AM Mishra, Saroj Kanta (Assoc. Prof.) - CAS
Physical description	: xxii,147 p.
Subject terms	: Teleconnections Climate system Aquaplanet Monsoon Height
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Title	: Control of synchronous reluctance motor drive for solar PV array fed water pumping by Anshul Varshney
Researcher	: Varshney, Anshul
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Singh, Bhim (Prof.) - EE
Physical description	: x1iv,373 p.
Subject terms	: Bus capacitor Sensorless speed control Current vector Simulation Dynamic performance
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Title	: Microstructured fibers and nonlinear crystals based terahertz sources and devices by Vikas Kumar
Researcher	: Vikas Kumar
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Varshney, R. K. (Prof.) - PH Kumar, Sunil (Prof.) - PH
Physical description	: xxxiii,161 p.
Subject terms	: Electromagnetic spectrum Modulation Birefringence Propagation Air-hole
Barcode	: TH6929
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Title	: Role of Methyltransferase RV1515C during Host-pathogen interaction in Mycobacterial pathogenesis by Anshu Rani
Researcher	: Rani, Anshu
Department	: Kusuma School of Biological Sciences, IITD
Year	: 2022
Supervisor	: Hasnain, Syed E. (Prof.) - BEB Ehtesham, Nasreen Z. (Emeritus Scientist) - Safdarjung Hospital Campus, New Delhi Patel, Ashok kumar (Prof.) - SBS
Physical description	: xxii, 138p.
Subject terms	: Tuberculosis MTBC complex-evolution TB epidemiology Granuloma formation Hydrophobicity
Barcode	: TH6930
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Title	: Privacy, integrity and performance of edge devices for sustainability by Ismi Abidi
Researcher	: Abidi, Ismi
Department	: Department of Computer Science and Engineering, IITD
Year	: 2022
Supervisor	: Sen, Rijurekha (Asst. Prof.) - CSE
Physical description	: xxi, 159p.
Subject terms	: Scalable sensing Low cost sensing Data integrity Automatic verification tools Data privacy
Barcode	: TH6931
Call No.	: TH 681.3:502 ABI-P

Title	: Modelling, stability analysis, and decentralized control design of inverter interfaces by Pankaj Dilip Achlerkar
Researcher	: Achlerkar, Pankaj Dilip
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Panigrahi, Bijaya Ketan (Prof.) - EE
Physical description	: xxii, 182p.
Subject terms	: Grid synchronization Linear time periodic system Weak grid Voltage source converter Decentralized control
Barcode	: TH6932
Call No.	: TH 621.314.572 ACH-M

Title	: Structural control of building frames using hybrid passive device based on energy principles by Mahesh Babu Addala
Researcher	: Addala, Mahesh Babu
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Madan, Alok (Prof.) - CE Bhalla, Suresh (Prof.) - CE
Physical description	: xxii, 246p.
Subject terms	: Hybrid device Viscoelastic dampers Vibration control Earthquakes Seismic design
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Title	: Multi-document abstractive text summarization using multi-sentence compression and text simplification by Raksha Agarwal
Researcher	: Agarwal, Raksha
Department	: Department of Mathematics, IITD
Year	: 2022
Supervisor	: Chatterjee, Niladri (Prof.) - MA
Physical description	: xvi, 169p.
Subject terms	: Word graph Node alignment Broad syntactical categories Sentence scoring Network creation Fuzzy ranking
Barcode	: TH6934
Call No.	: TH 510.51:681.3 AGA-M
Title	: Role of interoception in imagery, action and affect in spinal cord injury by Ruby Aikat
Researcher	: Aikat, Ruby
Department	: Department of Humanities and Social Sciences, IITD
Year	: 2022
Supervisor	: Singh, Varsha (Assoc. Prof.) - HSS
Physical description	: 248p.
Subject terms	: Internal sensation Mental imagery Rehabilitation Imagery processes Health control
Barcode	: TH6935
Call No.	: TH 612.83 AIK-R
Title	: Bistable MEMS/NEMS based switches for rugged embedded applications non-volatile memory by Dhairya Singh Arya
Researcher	: Arya, Dhairya Singh
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Singh, Pushpapraj ((Assoc. Prof.) - CARE
Physical description	: xiii, 110p.
Subject terms	: Metallic switches Energy efficient Embedded applications Storage media Micro mechanical systems Nano mechanical systems
Barcode	: TH6936
Call No.	: TH 621.316.542 ARY-B

Title	: Construction technology for integral bridges with basalt fiber-reinforced polymer prestressing tendons by Ali Alraie
Researcher	: Alraie, Ali
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Matsagar, Vasant A. (Prof.) - CE
Physical description	: xlii, 395 p.
Subject terms	: Optimization of anchor design Different design categories Flexural analysis Load combinations Structural design basis - Integral abutment bridges Design methodology
Barcode	: TH6937
Call No.	: TH 624.21:666.198 ALR-C

Title	: Empirical studies in aesthetic responses by Sunny Bairisal
Researcher	: Bairisal, Sunny
Department	: Department of Design, IITD
Year	: 2022
Supervisor	: Jyoti Kumar (Assoc. Prof.) - DE
Physical description	: xiv, 126p.
Subject terms	: Empirical research Designed products Rationalistic views Behavioral experiments Neurophysiological experiments
Barcode	: TH6938
Call No.	: TH 159.923.37:303.025 BAI-E

Title	: Development of soft body armour by using different high-performance materials by Bajya, Mukesh
Researcher	: Bajya, Mukesh
Department	: Department of Textile and Fibre Engineering, IITD
Year	: 2022
Supervisor	: Majumdar, Abhijit (Prof.) - TT Butola, Bhupendra Singh (Prof.) - TT
Physical description	: xix, 165 p.
Subject terms	: Body armour Ballistic response Energy absorption mechanism Bulletproof jacket High performance fibres Fabric manufacturing
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Title	: Service life modelling of biogenic sulphuric acid degradation of concrete in sewage environment by Bansal, Ankur
Researcher	: Bansal, Ankur
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Bishnoi, Shashank (Prof.) - CE
Physical description	: xx, 192 p.
Subject terms	: Microstructure of concretes Chemical admixture Alkali-silica reaction Indaan sewage data Service life of concrete pipes
Barcode	: TH6940
Call No.	: TH 628.27:661.25 BAN-S

Title	: Critical antecedents of international joint ventures performance in India the mediating role of ambidexterity and moderating role of environmental dynamism by Ishita Batra
Researcher	: Batra, Ishita
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: Dhir, Sanjay (Assoc. Prof.) - MS
Physical description	: xvi, 197 p.
Subject terms	: Descriptive statistics Normality Empirical analysis Moderation effect Tata starbucks
Barcode	: TH6941
Call No.	: TH 339.944:502(540) BAT-C

Title	: Studies on oscillator noise sensing and reduction in RF circuits by Santhosh Kumar Bhagat
Researcher	: Bhagat, Santhosh Kumar
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Basu, Ananjan (Prof.) - CARE Koul, Shiban K. (Emeritus Prof.) - CARE
Physical description	: xiv, 87p.
Subject terms	: Radio frequency Circuits Noise measurement Locked loop Colpitts oscillator
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Researcher	:	Bhatt, Bhaskaranand
Department	:	Centre for Automotive Research and Tribology. IITD
Year	:	2022
Supervisor	:	Bijwe, Jayashree (Prof.) - CART
Physical description	:	xxviii, 272p.
Subject terms	:	Friction materials Brake shoes Clutch facings Vehicle brakes Plasma treatment
Barcode	:	TH6943
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Title	:	Novel hybrid model development for the estimation of plume length by Sandhya Birla
Researcher	:	Birla, Sandhya
Department	:	Department of Civil Engineering, IITD
Year	:	2022
Supervisor	:	Chahar, B .R. (Prof.) - CE Liedl, R. - Institute of groundwater, TU Dresden Yadav, P. K. - Institute of groundwater, TU Dresden
Physical description	:	xx, 171p.
Subject terms	:	Sites Analytical models Statistical analysis Contamination assessment Groundwater flow
Barcode	:	TH6944
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Title	:	Safety effects of paved shoulders on intercity highways in India by Laxman Singh Bisht
Researcher	:	Bisht, Laxman Singh
Department	:	Department of Civil Engineering, IITD
Year	:	2022
Supervisor	:	Tiwari, Geetam (Prof.) - TRIP-C
Physical description	:	xxxiv, 264p.
Subject terms	:	Highway safety Road safety Expressway Road traffic Intercity highway
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Title	:	Efficient techniques for broadcast of in-band system information in massive MIMO systems by Kamal Biswas
Researcher	:	Biswas, Kamal
Department	:	Department of Electrical Engineering, IITD
Year	:	2022
Supervisor	:	Mohammed, Saif Khan (Prof.) - EE
Physical description	:	xiii, 105p.
Subject terms	:	Information broadcast Multi - Cell system Orthogonal broadcast system Wireless technology Transmitters
Barcode	:	TH6946
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Title	:	Millimeter wave antennas for body area network by Shakti Singh Chauhan
Researcher	:	Chauhan, Shakti Singh
Department	:	Centre for Applied Research in Electronics, IITD
Year	:	2022
Supervisor	:	Abegaonkar, Mahesh P. (Assoc. Prof.) - CARE Basu, Ananjan (Prof.) - CARE
Physical description	:	xxi, 146p.
Subject terms	:	Communication Microstrip Design equations Patch simulation Dipole antenna
Barcode	:	TH6947
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Title	:	Integration of heat and water networks in scheduling of chemical plants by Sudha Chauhan
Researcher	:	Chauhan, Sudha
Department	:	Department of Chemical Engineering, IITD
Year	:	2022
Supervisor	:	Shaik, Munawar (Assoc. Prof.) - CHE Ramteke, Manojkumar C. (Assoc. Prof.) - CHE
Physical description	:	xxiii, 101p.
Subject terms	:	Batch plants Optimization Water resue Heat integration Network synthesis
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Title	: Formalist path to the complexity of literary form by Ravi Sekhar Chakraborty
Researcher	: Chakraborty, Ravi Sekhar
Department	: Department of Humanities and Social Sciences, IITD
Year	: 2022
Supervisor	: V, Sanil (Prof.) - HSS
Physical description	: x, 234p.
Subject terms	: Formalism Philosophical problem Digital humanities Metapoetics of formalism World literature
Barcode	: TH6949
Call No.	: TH 82-/-9:519.6 CHA-F

Title	: Fracture, tribology, and conductivity of electric field-aligned CNF/epoxy nanocomposites by Amit Chanda
Researcher	: Chanda, Amit
Department	: Department of Mechanical Engineering, IITD
Year	: 2022
Supervisor	: Datla, Naresh Verma (Assoc. Prof.) - ME
Physical description	: xviii, 208 p.
Subject terms	: Carbon nanofillers Fracture behavior Damage sensing behavior Conductivity behavior Tribological behavior Nanocomposite sensing
Barcode	: TH6950
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Title	: Power management of PMSG based micro hydro system integrated with battery and PV based solar system by Vineet P. Chandran
Researcher	: Chandran, Vineet P.
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Singh, Bhim (Prof.) - EE
Physical description	: xxxiv, 301p.
Subject terms	: Hydropower system Power generation Microgrid Magnet synchronous generator Renewable energy
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Title	: Nanotribology and nanomechanics of human articular cartilage interfaces using molecular dynamics simulations by Abhinava Chatterjee
Researcher	: Chatterjee, Abhinava
Department	: Department of Mechanical Engineering, IITD
Year	: 2022
Supervisor	: Dubey, Devendra K. (Assoc. Prof.) - ME Sinha, Sujeet K. (Prof.) - ME
Physical description	: xx, 200p.
Subject terms	: Biological interface Bone joints Lubricating properties Knee joints Artificial Implant research
Barcode	: TH6952
Call No.	: TH 616.71-018.3:620.3 CHA-N

Title	: Cyber-attack resilient design of wide area measurement systems in smart grid by Astha Chawla
Researcher	: Chawla, Astha
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Panigrahi, Bijaya Ketan (Prof.) - EE
Physical description	: xxi, 148p.
Subject terms	: Wide area measurement Computer technologies Phasor measurement units Denial of service Electronics devices
Barcode	: TH6953
Call No.	: TH 621.311.1:681.3 CHA-C

Title	: Flow dynamics in gas hydrate reservoirs by Neelam Choudhary
Researcher	: Choudhary, Neelam
Department	: Department of Chemical Engineering, IITD
Year	: 2022
Supervisor	: Phirani, Jyoti (Prof.) - CHE Ghosh, Somnath (Prof.) - CHE
Physical description	: xxiv, 121p.
Subject terms	: Oil reserves Gas reserves Fossil fuels Carbon rich fossil fuels Hydrate reservoirs
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Title	: Prediction of Indian monsoon using machine learning by Yajnaseni Dash
Researcher	: Dash, Yajnaseni
Department	: Centre for Atmospheric Sciences, IITD
Year	: 2022
Supervisor	: 0
Physical description	: xv, 126p.
Subject terms	: Climate Monsoon prediction Atmospheric processes Rainfall values Meteorology
Barcode	: TH6955
Call No.	: TH 551.553.21:681.3(540) DAS-P
Title	: Novel dielectric loaded reconfigurable substrate integrated waveguide circuits by Sriparna De
Researcher	: De, Sriparna
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Koul, Shibani K. (Emeritus Prof.) - CARE Samanta, Kamal K. - AMWT Ltd, London
Physical description	: xxvi, 171p.
Subject terms	: Mechanical tuning Substrate integrated waveguide Ceramic material Diplexer Bandwidth
Barcode	: TH6956
Call No.	: TH 621.372.8 DE-N
Title	: Renewable energy, industrial growth and market mechanism a study for India by Kaushik Dey
Researcher	: Dey, Kaushik
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: 0
Physical description	: xx, 213p.
Subject terms	: Energy consumption Economic growth Natural energy Conventional energy Biomass
Barcode	: TH6957
Call No.	: TH 502.174.3:658.5(540) DEY-R

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Title	: Investigations of sheath formation during plasma-surface interaction by Rajat Dhawan
Researcher	: Dhawan, Rajat
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Malik, Hitendra K. (Prof.) - PH
Physical description	: xxvii, 146p.
Subject terms	: Corrosion resistance Microelectronics Semiconductors Automobile industries Electronegative plasma
Barcode	: TH6958
Call No.	: TH 533.9 DHA-I
Title	: Comprehensive evaluation of Indian goods and services tax rollout using deep learning and machine learning of social media impressions and information system success model by Pankaj Dikshit
Researcher	: Dikshit, Pankaj
Department	: Amar Nath and Shashi Khosla School of Information Technology, IITD
Year	: 2022
Supervisor	: B. Chandra (Adjunct Prof.) - SIT Gupta, M. P.(Prof.) - MS
Physical description	: xv, 221 p.
Subject terms	: Sentiment analysis Tax using attention factor System and information quality e-governance Technostress factors
Barcode	: TH6959
Call No.	: TH 336.221:681.3 DIK-C
Title	: Channel formation and stimulated Raman scattering during laser-plasma interaction by Manish Dwivedi
Researcher	: Dwivedi, Manish
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Malik, Hitendra K. (Prof.) - PH
Physical description	: xvi, 100 p.
Subject terms	: Self-focusing of q-gaussian pulse Laser in pre- formed plasma Modulated density plasma Axial magnetized plasma Electromagnetic wave
Barcode	: TH6960
Call No.	: TH 535.375.5:537.533 DWI- C

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Title	: Design and development of dynamic bandwidth allocation algorithms for power efficient optical access networks by Sukriti Garg
Researcher	: Garg, Sukriti
Department	: Bharti School of Telecommunication Technology and Management, IITD
Year	: 2022
Supervisor	: Dixit, Abhishek (Prof.) - EE
Physical description	: xxii,151 p.
Subject terms	: Passive optical network Management in PON,s Power saving techniques Dynamic bandwidth Power efficiency
Barcode	: TH6961
Call No.	: TH 621.391 GAR-D
Title	: Impact of carbonaceous aerosols on the regional climate of India using a regional climate model by Ghosh Sudipta
Researcher	: Ghosh, Sudipta
Department	: Centre for Atmospheric Sciences, IITD
Year	: 2022
Supervisor	: Dey, Sagnik (Prof.) - CAS
Physical description	: xxx, 175 p.
Subject terms	: Earth climate Atmospheric aerosol Climate model Carbonaceous aerosol Customization
Barcode	: TH6962
Call No.	: TH 551.583:54-138(540) GH0-I
Title	: Source apportionment of aerosols in Ghaziabad using advanced receptor modelling tools by Lovleen Gupta
Researcher	: Gupta, Lovleen
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Habib, Gazala (Assoc. Prof.) - CE Raman, Ramya Sunder (Prof.) - Dept. of Earth & Env. Sc. IISER Bhopal
Physical description	: xxii, 192 p.
Subject terms	: Atmospheric aerosols Aerosol health impacts Climate impacts Chemical analysis Chemical composition Carbonaceous fractions
Barcode	: TH6963
Call No.	: TH 551.51:54-138(540.27) - GUP-S

Title	: Study on shape memory filament integrated knitted fabrics by Priyanka Gupta
Researcher	: Gupta, Priyanka
Department	: Department of Textiles and Fibre Engineering, IITD
Year	: 2022
Supervisor	: Bipin Kumar (Asst. Prof.) - TT
Physical description	: xxvi, 203p.
Subject terms	: Memory polymers Shape memory effect Fabric structure Knit design Garments
Barcode	: TH6964
Call No.	: TH 677.075 GUP-S

Title	: Growth and investigation of the magnetic properties of CO-based heusler and amorphous alloy stacked with heavy metals and 2D-Material for spintronic applications by Hait, Soumyarup
Researcher	: Hait, Soumyarup
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Chaudhary, Sujeet (Prof.) - PH
Physical description	: xxii, 159 p.
Subject terms	: Magnetization dynamics Spin pumping Magnetic materials Thin film deposition technique Material characterization Static magnetization measurement
Barcode	: TH6965
Call No.	: 537.6/.8 HAI-G

Title	: Studies on utilization of bio-CO2 in grain storage as a controlled atmosphere (CA) and crop cultivation in greenhouse with atmospheric bio-CO2 fertigation by Himanshu Kumar
Researcher	: Himanshu Kumar
Department	: Centre for Rural Development and Technology, IITD
Year	: 2022
Supervisor	: Vijay, Virendra K. (Prof.) - CRDT Subbarao, Parchuri M. (Prof.) - CRDT
Physical description	: xxvi, 166p.
Subject terms	: Waste gas Biogas Carbon dioxide Carbohydrate Biomass
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Title	: Dehydrogenative C-C and C-P bond formation direct access towards polyarylquinones, axially chiral Bi-aryls, phosphorylated (Hetero)-arenes by Soumyadip Hore
Researcher	: Hore, Soumyadip
Department	: Department of Chemistry, IITD
Year	: 2022
Supervisor	: Singh, Ravi P. (Prof.) - CHY
Physical description	: xxi, 474 p.
Subject terms	: C-H functionalization C- H activation Sigma bond metathesis Kinetic isotope effects Polyarylquinones synthesis
Barcode	: TH6967
Call No.	: TH 544.14 HOR-D
Title	: Strategic business plan development for bamboo structural application in Northeast India by Syed Zulfequar Haider Hussaini
Researcher	: Hussaini, Syed Zulfequar Haider
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: Sushil (Prof.) - MS
Physical description	: xx,244p.
Subject terms	: Hierarchical model Construction material Supply chain analysis Strategy execution model Development policy
Barcode	: TH6968
Call No.	: TH 658.5-035.26 HUS-S
Title	: Group-iv semiconductor nanostructures and their heterojunctions with layered materials for infrared detection by John Wellington J
Researcher	: Wellington J, John
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Das, Samaresh (Assoc Prof.) - CARE Ray, Samit Kumar (Prof.) - PH
Physical description	: xxii 127 p.
Subject terms	: Photoconductive Polarization sensitivity Electrical characterization with Broadband photodetectors Noise and detectivity Device fabrication
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Title	: Development of an integrated technology for metal recovery and generation of valuable products from E-waste by Prashant Ram Jadhao
Researcher	: Jadhao, Prashant Ram
Department	: Department of Chemical Engineering, IITD
Year	: 2022
Supervisor	: Pant, K.K.(Prof.) - CHE
Physical description	: xx, 228p.
Subject terms	: E-waste recycling Chemical recycling Ronnskar smelter Thermogravimetric analysis Raman analysis
Barcode	: TH6970
Call No.	: TH 628.54:621.38 JAD -D
Title	: Understanding the critical resources and capabilities for non-profit organizations serving the individuals with intellectual and developmental disabilities in India by Mukesh Jain
Researcher	: Jain, Mukesh
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: Dhir, Sanjay (Assoc. Prof.) - MS
Physical description	: xiv, 219p.
Subject terms	: Disability policy Non profit organization NGOs Person with disability Economic rehabilitation
Barcode	: TH6971
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Title	: Language, structure, time aware knowledge base completion by Prachi Jain
Researcher	: Jain, Prachi
Department	: Department of Computer Science and Engineering, IITD
Year	: 2022
Supervisor	: Mausam (Prof.) - CSE Chakrabarti, Soumen (Prof.) - CSE
Physical description	: xviii, 131 p.
Subject terms	: Macro inference Matrix factorization Tensor factorization Reflexivity aware model knowledge base completion
Barcode	: TH6972
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Title	: Studies on miscible viscous fingering in polymeric and nanofluids by Pooja Jangir
Researcher	: Jangir, Pooja
Department	: Department of Chemical Engineering, IITD
Year	: 2022
Supervisor	: Mohan, Ratan (Prof.) - CHE Choksi, Paresh (Prof.) - CHE
Physical description	: xx, 171 p.
Subject terms	: Hydrodynamic instability Linear stability Fingering in nanofluids Polymeric fluids Nanofluid Viscoelastic fluid Newtonian fluid
Barcode	: TH6973
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Title	: Analysis of thermo-mechanical phenomena and heat transfer characterization in continuous casting by Pedduri Jayakrishna
Researcher	: Jayakrishna, Pedduri
Department	: Department of Mechanical Engineering, IITD
Year	: 2022
Supervisor	: Talukdar, Prabal (Prof.) - ME Ganguly, Suvankar - Tata steel, Jamshedpur
Physical description	: xxiv, 147 p.
Subject terms	: Fluid flow Heat transfer Electromagnetic force Thermomechanical analysis Thermal characteristics
Barcode	: TH6974
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Title	: Female employment in Indian manufacturing a study of the garment industry in Bangalore and the NCR region by Chinju Johny
Researcher	: Johny, Chinju
Department	: Department of Humanities and Social Sciences, IITD
Year	: 2022
Supervisor	: Thomas, Jayan Jose (Prof.) - HSS
Physical description	: xxv, 259 p.
Subject terms	: Manufacturing employment - State level analysis Manufacturing employment - Regional perspective Gender and region wise trends Women workers Production processes Workers and the factories
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Physical description	: viii, 109p.
Subject terms	: Taxation issues Tax revenues E-government Tax compliance Tax evasion
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Title	: Studies on fungi mediated solutions for fabric desizing and dye degradation in textile industries by Shweta Kalia
Researcher	: Kalia, Shweta
Department	: Centre for Rural Development and Technology, IITD
Year	: 2022
Supervisor	: Malik, Anushree (Prof.) - CRDT
Physical description	: xxiv, 262p.
Subject terms	: Amylase production Carbon source Fungal species Agro industry Enzyme kinetics
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Title	: Modeling and simulation of bias dependent behavior in GaN HEMT for RF applications by Pragyey Kumar Kaushik
Researcher	: Kaushik, Pragyey Kumar
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Gupta, Ankur (Prof.) - CARE Basu, Ananjan (Prof.) - CARE
Physical description	: xx, 127p.
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Title	: Inverse problems in thermo-fluid systems using polynomial chaos expansions and bayesian inference by Sufia Khatoon
Researcher	: Khatoon, Sufia
Department	: Department of Mechanical Engineering, IITD
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Title	: Numerical investigation of control strategies in turbulent taylor-conuette flows by Obaidullah Khawar
Researcher	: Khawar, Obaidullah
Department	: Department of Applied Mechanics, IITD
Year	: 2022
Supervisor	: Sanghi, Sanjeev (Prof.) - AM Baig, Mirza Faisal S. (Prof.) - Aligarh Muslim University, Aligarh
Physical description	: xxvi, 152 p.
Subject terms	: Axial rotating Counter rotating Numerical discretization Thermal stratification Turbulence statistics
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Title	: Decentralized mechanisms to attest, recover and update IOT networks by Samuel Wedaj Kibret
Researcher	: Kibret, Samuel Wedaj
Department	: Department of Computer Science and Engineering, IITD
Year	: 2021
Supervisor	: Paul, Kolin (Prof.) - CSE
Physical description	: xx,151 p.
Subject terms	: System management Device swarms Performance evaluation Security analysis Swarm attestation Self healing network
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Title	: Deposition and infiltration of absorber materials for solution processable solar cells using electric field-assisted spray technique by Tulja Bhavani Korukonda
Researcher	: Korukonda, Tulja Bhavani
Department	: Department of Energy Sciences and Engineering, IITD
Year	: 2022
Supervisor	: Dutta, Viresh (Prof.) - CES
Physical description	: viii, 147p.
Subject terms	: Solar photovoltaics Energy conversion Thin film solar cells Sustainable energy Electric fields
Barcode	: TH6983
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Title	: Graph based analysis of functional brain networks by Jyoti Maheshwari
Researcher	: Maheshwari, Jyoti
Department	: Bharti School of Telecommunication Technology and Management, IITD
Year	: 2022
Supervisor	: Joshi, Shiv Dutt (Prof.) - EE Gandhi, Tapan Kumar (Assoc. Prof.) - EE
Physical description	: xx, 129p.
Subject terms	: Human brain Biomedical signal processing Brain networks Critical thinking Cognitive requirements
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Researcher	: Malkhandi, Arpan
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Senroy, Nilanjan (Prof.) - EE Mishra, Sukumar (Prof.) - EE
Physical description	: xxix, 166p.
Subject terms	: Logistical issues Green energy Renewable energy Wideband inverter Grid strenth
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Title	: Treatment of complex dyes and effluents using engineered laccase 1 of cyathus bulleri by Manju
Researcher	: Manju
Department	: Department of Biochemical Engineering, IITD
Year	: 2022
Supervisor	: Mishra, Saroj (Prof.) - BEB Srivastava, Preeti (Assoc.Prof.) - BEB
Physical description	: xix, 157p.
Subject terms	: Textiles industry Water consumption - Textiles Fungal laccases Biotechnological potential Decolorization
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Title	: Leveraging defence offsets to strengthen defence industrial base problems and prospects by Rambir Singh Mann
Researcher	: Mann, Rambir Singh
Department	: Department of Humanities an Social Sciences, IITD
Year	: 2022
Supervisor	: Sagar, Ambuj (Prof.) - HSS
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Title	: Tone and aspiration correlation in Punjabi an analysis using harmonic serialism by Manujata
Researcher	: Manujata
Department	: Department of Humanities and Social Sciences, IITD
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Supervisor	: Sanyal, Paroma (Assoc. Prof.) - HSS
Physical description	: xiii, 208p.
Subject terms	: Indo-Aryan language Punjabi language Tonogenesis Lexical tone Vocalic segment
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Title	: Sensing matrix optimization and feature extraction for image processing by Meenakshi
Researcher	: Meenakshi
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Srirangarajan, Seshan (Prof.) - EE
Physical description	: xiv, 134p.
Subject terms	: Data recovery Pattern recognition Sensing matrix Data compression Matrix design
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Title	: Development of advanced vortex bow blades for turbines by Devershi Mourya
Researcher	: Mourya, Devershi
Department	: Department of Mechanical Engineering, IITD
Year	: 2022
Supervisor	: Subbarao, P.M.V. (Prof.) - ME
Physical description	: xxi, 156p.
Subject terms	: Steam turbines Gas turbines Power generation plants Propulsion devices Blade design
Barcode	: TH6990
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Title	: Pedestrian safety near bus stops a case study in Delhi by Deotima Mukherjee
Researcher	: Mukherjee, Deotima
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Rao, Kalaga Ramachandra (Prof.) - CE Tiwari, Geetam (Prof.) - CE
Physical description	: xxi, 167p.
Subject terms	: Road safety Bus stops Pedestrian safety Traffic fatalities Roads - Delhi Transportation research
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Title	: From rupture to resilience memory and identity in oral narratives of refugees arriving from East Pakistan to West Bengal by Sumallya Mukhopadhyay
Researcher	: Mukhopadhyay, Sumallya
Department	: Department of Humanities and Social Science, IITD
Year	: 2022
Supervisor	: Ghosh, Arjun (Prof.) - HSS
Physical description	: xii, 306p.
Subject terms	: Refugee migration Ethnocultural distinctiveness Refugees - West Bengal Refugees - East Pakistan Societal dynamics
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Title	: Hydrothermal conversion of wastewater grown algal biomass into value added products and investigations on the effects of heavy metals on products by Farah Naaz
Researcher	: Naaz, Farah
Department	: Centre for Rural Development and Technology, IITD
Year	: 2022
Supervisor	: Malik, Anushree (Prof.) - CRDT Pant, Kamal K. (Prof.) - CHE
Physical description	: xxv, 284p.
Subject terms	: Algae based fuels Algae based products Algal biorefinery concept Robust cultivation Microalgal species
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Researcher	: Nidhi
Department	: Department of Energy Science and Engineering, IITD
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Supervisor	: Subramanian, K. A. (Prof.) - ESE
Physical description	: xv, 162p.
Subject terms	: Energy efficiency Gasoline Nitric oxide Hydrocarbon emission Carbon monoxide
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Title	: Study on ethical decision making by Indian bureaucrats by Nanditesh Nilay
Researcher	: Nilay, Nanditesh
Department	: National Resource Centre for Value Education in Engineering, IITD
Year	: 2022
Supervisor	: Bhal, Kanika T. (Prof.) - MS Kohli, Sangeeta Kohli (Prof.) - ME
Physical description	: xxi, 248 p.
Subject terms	: Public administration Cognitive moral logics Individual and contextual factors Public service motivation Organizational honesty
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Title	: Polymer crystallization under hierarchical confinement in electrospunfibres by Sanchayan Pal
Researcher	: Pal, Sanchayan
Department	: Department of Textiles and fibre Engineering, IITD
Year	: 2022
Supervisor	: Nandan, Bhanu (Prof.) - TT Srivastava, Rajiv. K. (Prof) - TT
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Subject terms	: Polymers Homopolymers Crystalline morphology Nanosized domains Fibres
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Researcher	: Patil, Anchal
Department	: Department of Management Studies, IITD
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Supervisor	: Madaan, Jitender (Assoc. Prof.) - MS
Physical description	: xxii, 248p.
Subject terms	: Performance measurement Simulation Humanitarian assistance Analytic network process Decision making Evaluation laboratory
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Title	: Remote sensing based multi-Scale geomorphological study of lower Kosi river basin unravelling the mysterious Kosi by Vilakshna Parmar
Researcher	: Parmar, Vilakshna
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Khosa, Rakesh (Prof.) - CE Maheswaran, R (Asst. Prof.) -CE
Physical description	: xxi, 153p.
Subject terms	: Non-stationary rivers River shifting Avulsion Course instability Fluvial geomorphology Kusaha floods Bed morphology
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Title	: Characterization of dynamics of binary gas-solid flows and coal gasification in fluidized beds high-speed imaging measurements and CFD simulations by Sirisha Parvathaneni
Researcher	: Parvathaneni, Sirisha
Department	: Department of Chemical Engineering, IITD
Year	: 2022
Supervisor	: Buwa, Vivek (Prof.) - CHE
Physical description	: xxii, 217 p.
Subject terms	: Bubbling behavior Boundary conditions Bubbling characteristics Jetting behavior Gas injection Syngas quality Dynamics of segregation
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Title	: Valorization of invasive plant species to produce bio-chemicals and bio-products through greener approaches by Falguni Pattnaik
Researcher	: Pattnaik, Falguni,
Department	: Centre for Rural Development and Technology, IITD
Year	: 2022
Supervisor	: Naik, Satya Narayan (Emeritus Prof.) - CRDT Vivek Kumar (Prof.) - CRDT Dalai, Ajay K. (Prof.) - DCBE, Uni. of Saskatchewan, Canada
Physical description	: xxv, 183 p.
Subject terms	: Cannabis oil Cannabis leaf Levulinic acid Pulping bleaching process Phragmites karka
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Title	: Nanostructures based terahertz emission by Tamanna Punia
Researcher	: Punia, Tamanna
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Malik, Hitendra K. (Prof.) - PH
Physical description	: xx, 142p.
Subject terms	: Electromagnetic spectrum THz radiation Photon energy Polar compounds Biomedicine
Barcode	: TH7005
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Title	: Interface engineering in CoFeB-based spintronic devices for sensing and memory applications by Akhil K Ramesh
Researcher	: Ramesh, Akhil K
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Singh, Pushparaj (Prof.) - CARE Tseng, Yuan-Chieh (Prof.) - Dept MSE, NYCU Taiwan
Physical description	: xxiii, 131 p.
Subject terms	: Atomistic investigation Magnetic tunnel junction Electromagnetic waves Spintronic sensors Optimization of magnetic Heterostructures
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Supervisor	: Dubey, Satish Kumar (Assoc. Prof.) - SeNSE
Physical description	: vii, 134 p.
Subject terms	: Smartphone based Colorimetric measurement Color spaces Machine learning Deep learning models
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Title	: Pattern diversity antennas for wireless communication by Swapna S
Researcher	: S, Swapna
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Koul, Shibani K (Prof.) - CARE Basu, Ananjan (Prof.) - CARE
Physical description	: xx, 125 p.
Subject terms	: WLAN antennas Three-port antennas Cavity antenna design Antenna designs 3-D printed antennas
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Title	: Performance analysis and optimization of mineral silicate filled low metallic composite friction materials by Debarghya Saha
Researcher	: Saha, Debarghya
Department	: Department of Materials Science and Engineering, IITD
Year	: 2022
Supervisor	: Satapathy, Bhabani K. (Prof.) - MSE
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Subject terms	: Environmental impact Microplastics in water Green ingredients Methodology Characterization
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Department	: Department of Physics, IITD
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Title	: Studies on toughening of biobased polyamide 410 and its MWCNT filled nanocomposites by Saroj Kumar Samantaray
Researcher	: Samantaray, Saroj Kumar
Department	: Department of Materials Science and Engineering, IITD
Year	: 2022
Supervisor	: Satpathy, Bhabani K. (Prof.) - MSE
Physical description	: xxx, 188p.
Subject terms	: Biobased polyamide Electron microscopy Gelation rheology Soft elastomeric Carbon nanotube
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Title	: Synthesis and photoelectrochemical characterization of hematite based photoanodes and CFD simulation studies in water splitting by Satirtha Kumar Sarma
Researcher	: Sarma, Satirtha Kumar
Department	: Department of Chemical Engineering, IITD
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Supervisor	: Mohan, Ratan (Prof.) - CHE Shuklla, Anupam (Prof.) - CHE
Physical description	: xix, 127 p.
Subject terms	: Hydrothermal route Oxygen bubble Opto-electronic analysis Water splitting Electrode morphology
Barcode	: TH7012
Call No.	: TH 544.6:544.52 SAR-S

Title	: Land- atmosphere interactions in spring wheat Croplands of India a numerical study using a coupled model by Sarita Kumari
Researcher	: Sarita Kumari
Department	: Centre for Atmospheric Sciences, IITD
Year	: 2022
Supervisor	: Roy, Somnath Baidya (Prof.) - CAS
Physical description	: xxiii, 134 p.
Subject terms	: Leaf development Root growth Sucros crop growth model Crop dynamics Meteorology
Barcode	: TH7013
Call No.	: TH 633.11:551.583 (540) SAR-L
Title	: Customer centric marketing innovation in Telecom industry by Divya sethi
Researcher	: Setghi, Divya
Department	: Bharti School of Telecommunication Technology and Management, IITD
Year	: 2022
Supervisor	: Sager, Mahim (Prof.) - BSTTM
Physical description	: xxxvi, 293 p.
Subject terms	: Communication Services Competition and regulation Validity and reliability Hypothesis validation Financial performance
Barcode	: TH7014
Call No.	: TH 621.39:654 SET-C
Title	: Dynamic impact of strategic thinking, technological change and risks on firm performance a select study of Indian industries by Aqueeb Sohail Shaik
Researcher	: Shaik, Aqueeb Sohail
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: Dhir, Sanjay (Prof.) - MS
Physical description	: xix, 283 p.
Subject terms	: Organisational structure Organisational culture Strategic thinking Meta analysis Research triangulation Synthesis
Barcode	: TH7015
Call No.	: TH 67:658.5(540) SHA-D

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Title	: Strategic communication for marketing peace in Afghanistan an Indian perspective
Researcher	: Sharma, Mayank
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: Sagar, Mahim (Prof.) - MS Gupta, Arvind - Vivekananda International Foundation, New Delhi
Physical description	: xxvii, 399 p.
Subject terms	: Enabling communication Inhibiting communication Phases of peace Marketing plan Constructive goals
Barcode	: TH7016
Call No.	: TH 658.8(581:540) SHA-S

Title	: Assessing digital empowerment an exploratory study
Researcher	: Sharma, Swapnil
Department	: Department of Management studies, IITD
Year	: 2022
Supervisor	: Kar, Arpan, K. (Assoc.Prof.) - MS Gupta, M.P. (Prof.) - MS
Physical description	: xv, 256 p.
Subject terms	: Digital democracies Interpretive structural modelling Citizen empowerment Participatory budgeting E-governance
Barcode	: TH7017
Call No.	: TH 681.3:005.583

Title	: Between poetry and philosophy a study of Muhammad Iqbal's self-portraits by Saliha Shah
Researcher	: Shah, Saliha
Department	: Department of Humanities and Social Sciences, IITD
Year	: 2022
Supervisor	: V, Sanil (Prof.) - HSS
Physical description	: vii, 231 p.
Subject terms	: Self-portraiture Exemplification Selfhood Reason Individuation Desire Travel Onwardness
Barcode	: TH7018
Call No.	: TH 1:82-1IQB SHA-B

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Title	: Experimental investigations on dimethyl ether fuelled compression ignition engine under HCCI mode by Anilkumar Ramesh Shere
Researcher	: Shere, Anilkumar Ramesh
Department	: Department of Energy Science and Engineering, IITD
Year	: 2022
Supervisor	: Subramanian, K.A. (Prof) - ESE
Physical description	: xxxii, 260p.
Subject terms	: Conventional fuel Decarbonized fuel Dimethyl ether Carbon content fuel Smoke emissions Automotive compression
Barcode	: TH7019
Call No.	: TH 661.721:662.612.1 SHE-E

Title	: Postselection-free, entangled biphoton states from integrated waveguide devices in potassium titanyl phosphate by Vineet Kumar Shukla
Researcher	: Shukla, Vineet Kumar
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Ghosh, Joyee (Assoc. Prof.) - PH
Physical description	: ix, 135p.
Subject terms	: Wave equations Quantum entanglement Anisotropy comparison Cascaded poling Swappable hyperentangled
Barcode	: TH7020
Call No.	: TH 530.145.61:535.14 SHU-P

Title	: Studies on thermal performance evaluation of box type solar cookers by Alok Singh
Researcher	: Singh, Alok
Department	: Department of Energy Science and Engineering, IITD
Year	: 2022
Supervisor	: Mullick, S. C. (Prof.) - ESE Kandpal, T. C. (Prof.) - ESE
Physical description	: xxii, 184p.
Subject terms	: Solar cooking Thermal performance Cooker design Control cooker Glass cover temperatures
Barcode	: TH7021
Call No.	: TH 641.539 SIN-S

Title	: Development of novel Mg-Ca-Sc alloys as potential biodegradable implant material by Chetan Singh
Researcher	: Singh, Chetan
Department	: Department of Materials Science and Engineering, IITD
Year	: 2022
Supervisor	: Jain, Jayant (Assoc. Prof.) - MSE
Physical description	: xxix, 235p.
Subject terms	: Magnesium Metallic implants materials Biodegradable metals Wear Alloy families
Barcode	: TH7022
Call No.	: TH 57.089.6:502.174.2 SIN-D

Title	: Ligand stabilized monochloro metallylenes synthesis and reactivities by Dharmendra Singh
Researcher	: Singh, Dharmendra
Department	: Department of Chemistry, IITD
Year	: 2022
Supervisor	: Nagendran, S. (Prof.) - CHE
Physical description	: xxii, 192 p.
Subject terms	: N-heterocyclic Germylene acetate X-ray Boroxide ligand Stannylene Palladium complexes
Barcode	: TH7023
Call No.	: TH 543.544.164 SIN-L

Title	: Experimental and numerical studies on gas flow through microchannels with bends by Hariom Saran Singh
Researcher	: Singh, Hariom Saran
Department	: Department of Mechanical Engineering, IITD
Year	: 2022
Supervisor	: Dhanekar, Saakshi (Asst. Prof.) - EE Subbarao, P.M.V (Prof.) - ME
Physical description	: xxiv, 191p.
Subject terms	: Microdevices Fabrication Leakage testing Glass bonding Gas flow
Barcode	: TH7024
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Title	: Defects mediated ferromagnetism in semiconducting materials by Preetam Singh
Researcher	: Singh, Preetam
Department	: Department of Physics, IITD
Year	: 2022
Supervisor	: Srivastava, Pankaj (Prof.) - PH Ghosh, Santanu (Prof.) - PH
Physical description	: xx, 158 p.
Subject terms	: Characterization techniques Atomic force microscopy X-ray diffraction Photoluminescence spectroscopy Crystal structure
Barcode	: TH7025
Call No.	: TH 537.311.322 SIN-D

Title	: Improvement in land surface parameters in mesoscale numerical modelling for assessment of industrial heat island by Vivek Kumar Singh
Researcher	: Singh, Vivek Kumar
Department	: Centre for Atmospheric Sciences, IITD
Year	: 2022
Supervisor	: Mohan, Manju (Prof.) - CAS
Physical description	: xxiv, 255p.
Subject terms	: Urban heat Resource consumption Global warming Climate change Environmental issues Industrial region
Barcode	: TH7026
Call No.	: TH 67:628.518 SIN-I

Title	: Evaluating public private partnership in metro rail in India by Mukund Kumar Sinha
Researcher	: Sinha, Mukund Kumar
Department	: Transportation Research and Injury Prevention Programme, IITD
Year	: 2022
Supervisor	: Upadhyay, Vrajindra (Prof.) - HSS Tiwari, Geetam (Prof.) - CE
Physical description	: xvi, 104 p.
Subject terms	: Urban transport Metro rail policy Delhi Metro Hyderabad metro Rapid metro
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Title	: Design and study of LDPC codes for free-space optical communication system by Sonali
Researcher	: Sonali
Department	: Department of Electrical Engineering, IITD
Year	: 2022
Supervisor	: Dixit, Abhishek (Prof.) - EE Jain, V. K. (Prof.) - EE
Physical description	: xxxi, 150p
Subject terms	: Atmospheric turbulence Transmitter Noise sources Algorithm Code construction Algebraic elements
Barcode	: TH7028
Call No.	: TH 629.783 SON-D

Title	: Investigating the role of signal transducer and activator of transcription 3 (STAT3) in dengue virus propagation by Shikha Srivastava
Researcher	: Srivastava, Shikha
Department	: Kusuma School of Biological Sciences. IITD
Year	: 2022
Supervisor	: Patel, Ashok Kumar (Assoc. Prof.) - KSBS
Physical description	: xvii, 137p.
Subject terms	: Taxonomy Dengue infection Vaccines Molecular biology Infected cells
Barcode	: TH7029
Call No.	: TH 578.8:577.214 SRI-I

Title	: Application of cell penetrating peptides in the management of anterior segment diseases of the eye by S Sujithra
Researcher	: Sujithra, S
Department	: Kusuma School of Biological Sciences, IITD
Year	: 2022
Supervisor	: Chugh, Archana (Prof.) - SBS
Physical description	: xvii, 130 p.
Subject terms	: Ocular disease Keratoconus Corneal collagen crosslinking Riboflavin delivery Carrier peptides
Barcode	: TH7030
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Title	: Improvisation of the process for extraction of essential oils from aromatic woods cedrus deodara and santalum album by Shreya Tripathi
Researcher	: Tripathi, Shreya
Department	: Centre for Rural Development and Technology, IITD
Year	: 2022
Supervisor	: Naik, Satya Narayan (Prof.) - CRDT Khare, Sunil Kumar (Prof.) - CHY
Physical description	: xxx, 212 p.
Subject terms	: Green- pretreatment processes Aromatherapy Materials and methods Conventional processes Chemical modification Sandalwood oil
Barcode	: TH7031
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Title	: Blood vessel and red lesion segmentation for early diabetic retinopathy screening by Kamini Upadhyay
Researcher	: Upadhyay, Kamini
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2022
Supervisor	: Aggarwal, Monika (Prof.) - CARE Vashist, Praveen - AIIMS, New Delhi
Physical description	: xx, 105p.
Subject terms	: Medical image analysis Clinical features Retinal imaging fundus image dataset Vessel segmentation
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Title	: Studies on bacterial diversity on fabrics by Swati Varshney
Researcher	: Varshney, Swati
Department	: Department of Biochemical Engineering and Biotechnology, IITD
Year	: 2022
Supervisor	: Sharma, Shilpi (Prof.) - BEB Gupta, Deepti (Prof.) - TT
Physical description	: xxxii, 215p.
Subject terms	: Healthcare - Infections Microbial diversity Fabrics - Healthcare Hospital fabrics Bacterial strains
Barcode	: TH7033
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Title	: Usage, impacts and transitional pathways of digital mobility platforms in global south a case of India by Ravinder Kumar Verma
Researcher	: Verma, Ravinder Kumar
Department	: Department of Management Studies, IITD
Year	: 2022
Supervisor	: Ilavarasan, P. Vigneswara (Prof.) - MS
Physical description	: xix, 330p.
Subject terms	: Digital economy Digital platforms Technology - Society ICT infrastructure Digitalisation
Barcode	: TH7034
Call No.	: TH 681.3(540) VER-U
Title	: Bio-based production and downstream processing of lactic acid for application in polylactic acid synthesis by Neerja Yadav
Researcher	: Yadav, Neerja
Department	: Department of Chemistry, IITD
Year	: 2022
Supervisor	: Khare, S.K.(Prof.) - CHY
Physical description	: xxi, 182 p.
Subject terms	: Soil profile Fermentation Rice straw Plantarum DKL-22 Microorganisms Characterization
Barcode	: TH7035
Call No.	: TH 547.472.3 YAD-B
Title	: Promoting climate resilience of housing in India a framework for social housing by Suneet Anand
Researcher	: Anand, Suneet
Department	: Centre for Rural Development and Technology, IITD
Year	: 2022
Supervisor	: Chariar, Vijayaraghavan M (Prof.) - CRDT
Physical description	: 261 v.p.
Subject terms	: Climate resilient Social housing Structured analysis Climate resilient rural housing Vernacular construction Rural housing framework in Sikkim
Barcode	: TH7036
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Title	: Conceptual modal for analysing the operational performance of Indian container terminals by VPS Nihar Nanyam
Researcher	: Nanyam, VPS Nihar
Department	: Department of Civil Engineering, IITD
Year	: 2022
Supervisor	: Jha, K.N (Prof.) - CE
Physical description	: xxvi, 233 p.
Subject terms	: Qualitative comparative analysis Operational performance Enabling factors Infrastructure upgrading and system Terminal facilities Handling and storage
Barcode	: TH6994
Call No.	: TH 656.61 NAN-C
Title	: Pyrithione based finishes for cellulosic textiles by Neeta, Kumari
Researcher	: Neeta Kumari
Department	: Department of Textile and Fibre Engineering, IITD
Year	: 2022
Supervisor	: Jassal, Manjeet (Prof.) - TT Agrawal, Ashwini K. (Prof.) - TT
Physical description	: xxxviii, 183 p.
Subject terms	: UV protective textile Tensile testing Softness Thermogravimetric Analysis Bacteria survival Surface morphology
Barcode	: TH6995
Call No.	: TH 677-037.45 NEE-P
Title	: Elucidating the protein folding function of the mycobacterium tuberculosis and mycobacterium marinum chaperonin systems by Bakul Piplan
Researcher	: Piplani, Bakul
Department	: Kusuma School of Biological Sciences, IITD
Year	: 2022
Supervisor	: Chaudhuri, Tapan K. (Prof.) - SBS
Physical description	: xviii, 239 p.
Subject terms	: GroE functional mechanism Sequence structure Phylogenetic analysis Cell viability Phosphorylation
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