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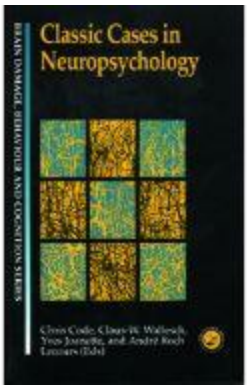
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Amar Nath and Shashi Khosla School of Information Technology

1



Classic cases in neuropsychology edited by Chris Code...(et al.), Hove: Psychology press, 1996. xix, 385 p., Brain damage, behaviour and cognition series.

Includes index (p. 381-385)

ISBN: 9780863773969

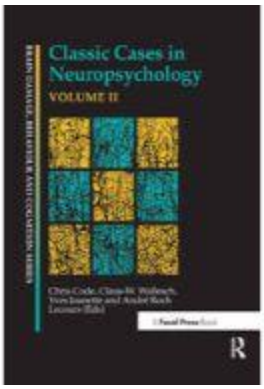
Subject Terms: Clinical neuropsychology - Case studies, Cognitieve stoornissen, Gedragsstoornissen, Brain - Diseases, Brain disorder

616.8 -CLA

178480; CL

Click for more details.

2



Classic cases in neuropsychology, Vol.II edited by Chris Code... (et.al.), London: Routledge, 2022. xviii, 362 p., Brain damage, behaviour and cognition series.

Includes index (p. 343-362)

ISBN: 9780415646673

Subject Terms: Clinical neuropsychology - Case studies, Brain damage - Psychological aspects, Deep dyslexia, Anton's syndrome, Medical - Diseases

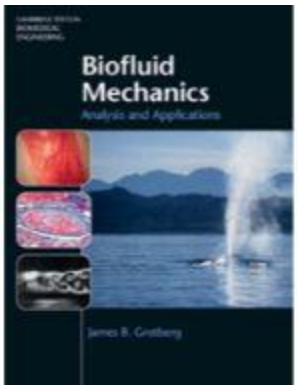
616.8 -CLA

178481; CL

Click for more details.

Applied Mechanics

3



Biofluid mechanics: analysis and application by James B. Grotberg, Cambridge: Cambridge University Press, 2021. xii, 604 p., Cambridge Texts in Biomedical Engineering.

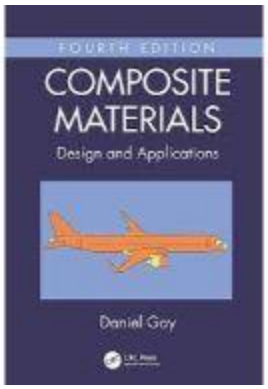
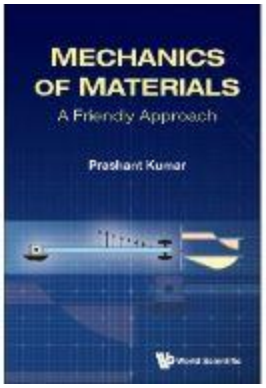
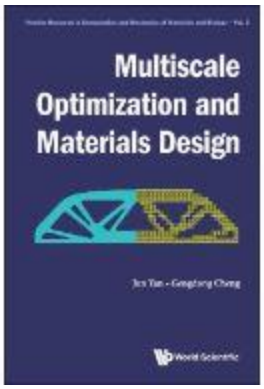
Includes bibliography and index (p. 587 - 604)

ISBN: 9781107003118
Subject Terms: Inviscid Fluid, Body fluids, Newtonian viscous flow, Turbulence, Lubrication theory, Laminar boundary layers

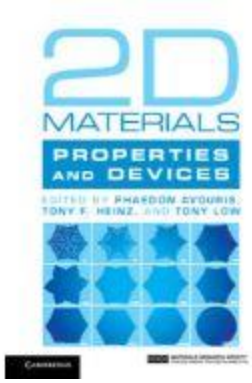
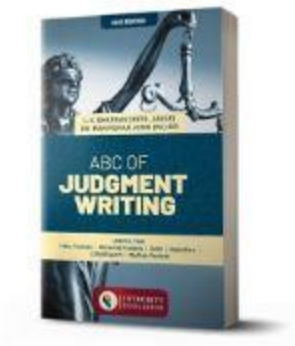
612.1:532 GRO-B

178490; CL

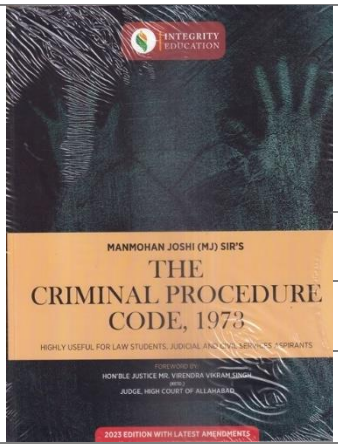
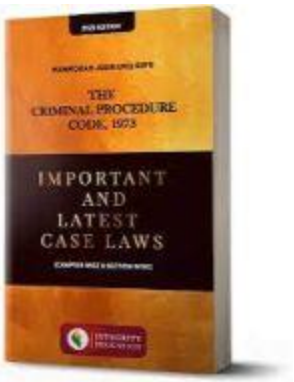
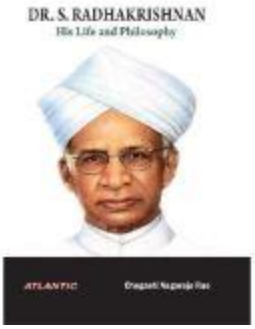
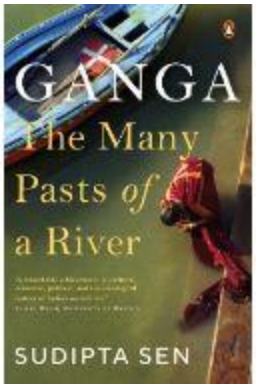
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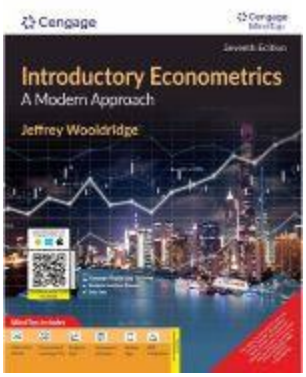
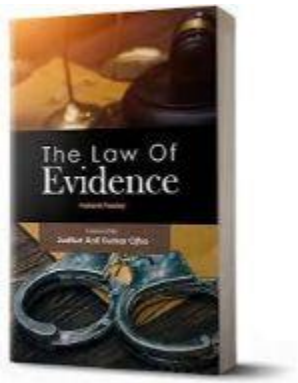
4		Composite materials: design and applications by Daniel Gay, 4th ed., Boca Raton: CRC Press, 2023. xxvii, 611 p. Includes bibliography and index (p. 603-611) ISBN: 9781032043081 Subject Terms: Design and construction, Fastening and joining, Ceramic matrix composites, Laminated materials - Mechanical properties, Aerospace construction 620.1 GAY-C 178505; AM **Click for more details.**
5		Mechanics of materials: a friendly approach by Prashant Kumar, New Jersey: World Scientific, 2023. xii, 530 p. Includes index (p. 527-530) ISBN: 9789811248450 Subject Terms: Strength of materials, Stress tensor, Strain tensor, Torsion, Shear forces 620.17 PRA-M 178571; CL **Click for more details.**
6		Multiscale optimization and materials design by Jun Yan and Gengdong Cheng, 5th ed., Singapore: World Scientific, 2021. xvi, 247 p., Frontier research in computation and mechanics of materials and biology. Includes bibliography and index (p. 229-247) ISBN: 9789811216534 Subject Terms: Materials science, Multiscale modeling, Structural optimization, Dynamics optimization, Multiscale finite element method 620.1:519.863 YAN-M 178569-178570; CL; AM **Click for more details.**

Central Library*

7		2D materials: properties and devices edited by Phaedon Avouris,Tony F. Heinz and Tony Low, Cambridge: Cambridge University Press, 2017. xv, 504 p. Includes index (p. 283-296) ISBN: 9781107163713 Subject Terms: Graphene, Electron optics, Black phosphorus, Graphene - Optoelectronic devices, Transition metal dichalcogenides 532.517.4 FRI-T 178554; PH Click for more details.
8		ABC of judgment writing by L. K. Bhargava and Manmohan Joshi, New Delhi: Integrity Education India, 2023. 240 p. ISBN: 9788196175177 Subject Terms: Civil cases, Criminal cases, Civil and criminal judgment, Marshalling, Appreciation of evidence, Dicharge order 347.95 BHA -A 178557; CL Click for more details.
9		Bharatiya Nyaya Sanhita 2023 by Man Mohan Joshi, New Delhi: Integrity Education India, 2023. 215 p. ISBN: 9788196438838 Subject Terms: Punishments, Offences relating to elections, Right of private defence - clause, Abetment, Criminal conspiracy 343.2/.7(540) JOS-B 178591; CL Click for more details.

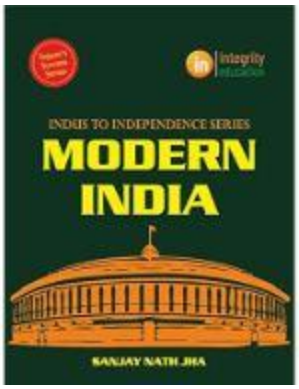
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10		Criminal Procedure Code 1973 by Man Mohan Joshi, New Delhi: Integrity Education India, 2023. xiii, 849 p. ISBN: 9788195724185 Subject Terms: Judgment, Appeals, Criminal cases, Plea bargaining, Summary trails 343.2/.7 JOS-C 178558; CL **Click for more details.**
11		Criminal procedure code, 1973: sections and related notes by Man Mohan Joshi, New Delhi: Integrity Education India, 2023. iv, 382 p. ISBN: 9788196175153 Subject Terms: Power of courts, Summary trials, Judgment, Appeals, Disposal of property 343.2/.7 JOS-C 178559; CL **Click for more details.**
12		Dr. S. Radhakrishnan: his life and philosophy by Chaganti Nagarajan Rao, New Delhi: Atlantic Publishers and Distributors, 2021. vi, 221 p. ISBN: 9788126931750 Subject Terms: Biography - S. Radhakrishnan, Political thought - S. Radhakrishnan, Indian biography, India president - S. Radhakrishnan, Sarvepalli Radhakrishnan 929RAD RAO-D 178555; CL **Click for more details.**
13		Ganga: the many pasts of an Indian River by Sudipta Sen, Haryana: Penguin Random House, 2019. xiii, 445 p. Includes index (p. 409-445) ISBN: 9780670092192 Subject Terms: River - India, Ganga river - description, Civilization - Ganga river system, History - Ganga river, Travel 930.85(282.253.21) SEN-G 178606; CL **Click for more details.**

14		Introductory econometrics: a modern approach by Jeffrey M. Wooldridge, 7th ed., New Delhi: Cengage, 2020. xxii, 826 p. Includes index (p. 812-826) ISBN: 9789355731074 Subject Terms: Cross-sectional data, Heteroskedasticity, Panel data methods, Regression analysis, Time series data 330.43 WOO-I 178587-178588; CL; TB **Click for more details.**
15		Jangli kulpati ki katha (जंगली कुलपति की कथा) by TV Kattimani, Delhi: Shilpayan, 2023. 175 p. ISBN: 9788194500681 Subject Terms: Biography - Kattimani, Tribal - Culture, Tribal - University, Tribal life, Tribals - India, Adivasi H 929KAT KAT-J 178576; CL **Click for more details.**
16		Law of evidence by Prakarsh Pandey, New Delhi: Integrity Education India, 2023. 189 p. ISBN: 9788196175146 Subject Terms: Confession, Dying Declaration, Estoppel, Public document, Witness, Documentary evidence 347.94 PAN-L 178560; CL **Click for more details.**

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17



Modern India by Sanjay Nath Jha, New Delhi: Integrity Education India, 2021. 322 p., Indus to independence series.

ISBN: 9788194918394

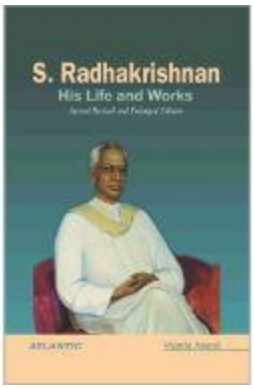
Subject Terms: Civil services - British India, Judicial system - British India, Education during - British period, Tribal movements - British India, 1857 movements - British India

94(540) JHA-M

178592; CL

Click for more details.

18



S. Radhakrishnan: his life and works by Mamta Anand, 2nd revised ed., New Delhi: Atlantic Publishers and Distributors, 2019. xxiii, 323 p.

Includes index (p.219-223)

ISBN: 9788126920884

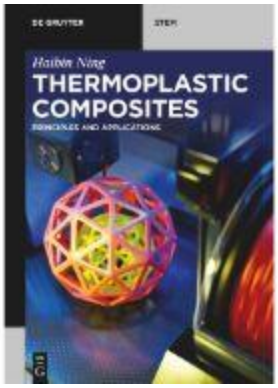
Subject Terms: Biography - President(India), Presidents - India, Radhakrishnan, S. 1888-1975, Works - S. Radhakrishnan, Biography - S. Radhakrishnan

929RAD ANA-S

178556; CL

Click for more details.

19



Thermoplastic composites: principles and applications by Haibin Ning, Berlin: De Gruyter, 2022. xiii, 330 p., De Gruyter STEM.

Includes index (p. 327-330)

ISBN: 9781501519031

Subject Terms: Mechanical recycling, Off axis lamina, Rheology, Fused pellet fabrication, Fiber matrix interface

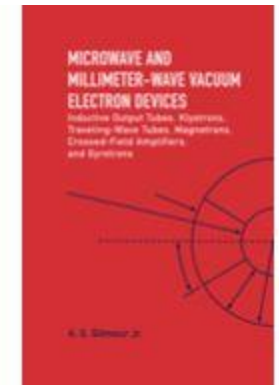
678.073 NIN-T

178568; CL

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Centre for Applied Research in Electronics

20



Microwave and millimeter-wave vacuum electron devices: inductive output tubes, klystrons, traveling-wave tubes, magnetrons, crossed-field amplifiers, and gyrotrons by A.S. Gilmour, Norwood: Artech House, 2020. xviii, 870 p.

Includes index (p. 845-870)

ISBN: 9781630817282

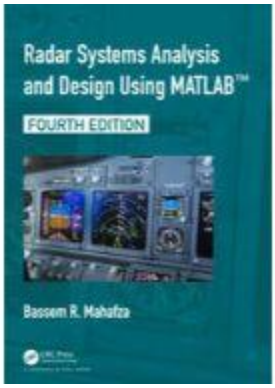
Subject Terms: Microwave devices, Microwave tubes, Millimeter wave devices, Vacuum requirement, Thermionic cathodes

621.385 GIL-M

178601; CL

Click for more details.

21



Radar systems analysis and design using MATLAB by Bassem R. Mahafza, 4th ed., Boca Raton: CRC Press, 2022. xxiii, 666 p.

Includes bibliography and index (p. 653-666)

ISBN: 9780367507930

Subject Terms: Computer science, Data processing, Radar technology, System analysis, Target tracking

621.396.96:004.438M MAH-R

178566; CL

Click for more details.

Centre for Atmospheric Sciences

22



Climate change and renewable energy: how to end the climate crisis by Martin J. Bush, Cham: Palgrave Macmillan, 2020. xxxii, 525 p.

Includes index (505-525)

ISBN: 9783030154233

Subject Terms: Carbon chaos, Carbon pricing, Global energy production, Carbon cycle, Environment studies

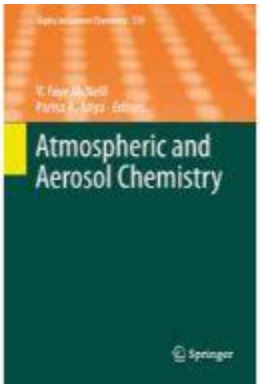
551.583 BUS-C

178506; CL

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Centre for Atmospheric Sciences

23



Atmospheric and aerosol chemistry edited by V. Faye McNeill and Parisa A. Ariya, Heidelberg: Spriger, 2014. vii, 264 p., Topics in current chemistry.

Includes index (p. 261-264)

ISBN: 9783642412141

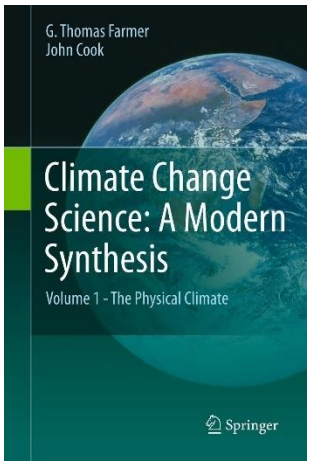
Subject Terms: Atmospheric photochemistry, Surface - Active organics, Tropospheric oxidation of Isoprene, Atmospheric sciences, Environmental chemistry

551.510.43:54-138 -ATM

178597; CL

Click for more details.

24



Climate change science: a modern synthesis: Vol. I, the physical climate by G. Thomas Farmer and John Cook, New York: Springer, 2013. xxviii, 564 p.

Includes index (p. 535-564)

ISBN: 9789400757561

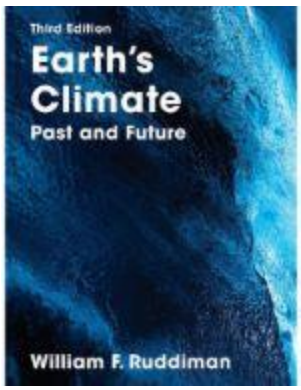
Subject Terms: Climatology, Global warming, Warming earth, Environmental sciences, Geography

551.583 FAR-C

178595; CL

Click for more details.

25



Earth's climate: past and future by William F. Ruddiman, 3rd ed., New York: W.H. Freeman, 2014. xvii, 445 p.

Includes index (p. 429-445)

ISBN: 9781319154004

Subject Terms: Climatic changes, Climatology, Global warming, greenhouse effect, Orbital-Scale interactions

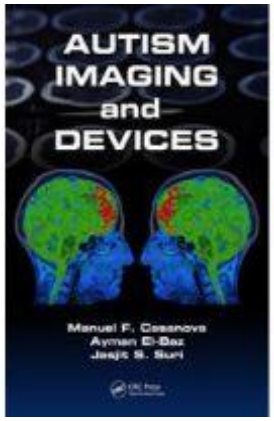
551.58 RUD-E

178573; CL

Click for more details.

Centre for Biomedical Engineering

26



Autism imaging and devices edited by Manuel F. Casanova, Ayman El-Baz and Jasjit S. Suri, Boca Raton: CRC Press, 2017. xv, 555 p.

Includes index (p. 537-555)

ISBN: 9781498709811

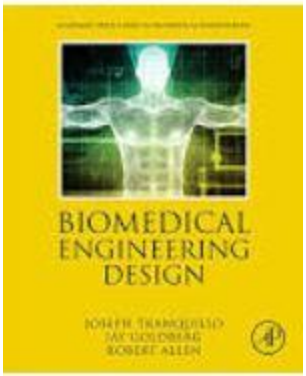
Subject Terms: Autistic spectrum disorder (ASD), Brain diseases - Diagnosis, Behavior Imaging, Electrophysiology, Behavioral syndrome

616.896 -AUT

178524; CL

Click for more details.

27



Biomedical engineering design by Joseph Tranquillo, Jay Goldberg and Robert Allen, London: Academic Press, 2023. xvii, 509 p., Academic press series in biomedical engineering.

Includes index (p. 497-509)

ISBN: 9780128164440

Subject Terms: Phototyping, Design verification and validation, Critical lenses, Commercialization, Post market surveillance

615.47:7.05 TRA-B

178584; CL

Click for more details.

28



Biomedical engineering: materials, technology, and applications by Hossein Hosseinkhani, Weinheim: Wiley, 2023. xii, 300 p.

Includes index (p. 295-300)

ISBN: 9783527347469

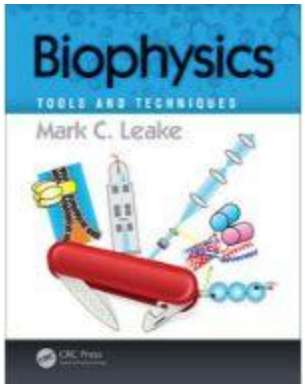
Subject Terms: Cytotoxicity of materials, Drug-Delivery technology, Biomaterials, Regenerative medicine, Nanobiotechnology

577.3:61 HOS-B

178583; CL

Click for more details.

29



Biophysics: tools and techniques by Mark C.Leake, Boca Raton: CRC Press, 2016. xix, 390 p.

Includes bibliography and index (p.383-390)

ISBN: 9781498702430

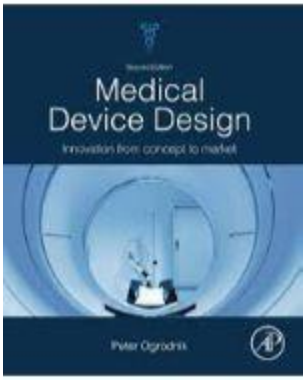
Subject Terms: Material stuff of life, Cell process, Electron microscopy (EM), Bioconjugation, Systems biology

577.3 -BIO

178586; CL

Click for more details.

30



Medical device design: innovation from concept to market by Peter Ogrodnik, 2nd ed., London: Elsevier, 2020. xix, 517 p.

Includes index (p. 511-517)

ISBN: 9780128149621

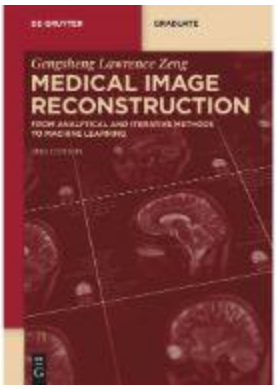
Subject Terms: Biomedical engineering, Engineering design, Medical instruments and apparatus - Evaluation, Conception technique, Marketing of health services - Methods

616-7 OGR-M

178582; CL

Click for more details.

31



Medical image reconstruction: from analytical and iterative methods to machine learning by Gengsheng Lawrence Zeng, 2nd ed., Berlin: De Gruyter, 2023. xiv, 273 p.

Includes index (p. 269-273)

ISBN: 9783111055039

Subject Terms: Tomography, Iterative reconstruction, Mechine learning, Landweber algorithm, MRI reconstruction

616-072:004 ZEN-M

178574; CL

Click for more details.

Chemical Engineering

32



Advanced heat transfer by Greg F. Naterer, 3rd ed., Boca Raton: CRC Press, 2022. xxi, 555 p.

Includes index (p.543-555)

ISBN: 9781032072470

Subject Terms: Heat exchangers, Thermal radiation, Heat conduction, Convection, Solidification

536.24 NAT-A

178581; CL

Click for more details.

Civil Engineering

33



Distributed fibre optic strain sensing for monitoring civil infrastructure: a practical guide by Cedric Kechavarzi...(et al.), London: ICE Publishing, 2016. xvii, 246 p., Cambridge Centre for Smart Infrastructure & Construction.

Includes index (p. 241-246)

ISBN: 9780727760555

Subject Terms: Optical fiber detectors, Structural analysis, Structural health monitoring, Tunnel monitoring, Civil engineering - Remote Sensing

624.4:681.7.68 -DIS

178487; CL

Click for more details.

Computer Science and Engineering

34



Computer: a history of the information machine by Martin Campbell-Kelly...(et.al.), 4th ed., New York: Routledge, 2023. ix, 384 p.

Includes bibliography and index (p. 352-384)

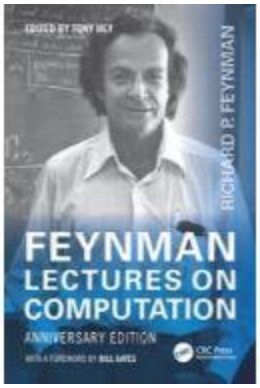
ISBN: 9781032203430
Subject Terms: Computer - History, Computing machine, Electronic data processing - History, Invention - Computer, Personal computer

681.3(91) -COM

178546; CL

Click for more details.

35



Feynman lectures on computation by Richard P. Feynman; edited by Tony Hey, Boca Raton: CRC Press, 2023. xxiii, 401 p., Frontiers in physics.

Includes index (p. 391-401)

ISBN: 9780367857332

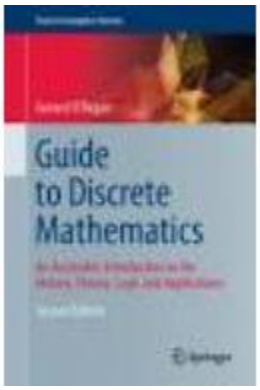
Subject Terms: Computer organization, Theory of computation, Coding, Information theory, Quantum mechanical computers, Computing beyond moore's law, Feynman on artificial intelligence

519.6:004 FEY-F

178547; CL

Click for more details.

36



Guide to discrete mathematics: an accessible introduction to the history, theory, logic and applications by Gerard O'Regan, 2nd ed., Cham: Springer, 2021. xxi, 452 p., Texts in Computer Science.

Includes index (p. 449-452)

ISBN: 9783030815875

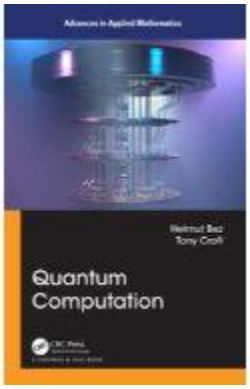
Subject Terms: Number theory, Algebra, Automata theory, Matrix theory, Coding theory, Computer logic

51 O'RE-G

178590; CL

Click for more details.

37



Quantum computation by Helmut Bez and Tony Croft, Boca Raton: CRC Press, 2023. xx, 371 p., Advances in Applied Mathematics.

Includes index (p. 367-371)

ISBN: 9781032206486

Subject Terms: Vector spaces, Group theory, Quantum information processing, Linear transformations, Quantum algorithms

530.145:004 BEZ-Q

178548; CL

Click for more details.

38



Statistics for data scientists: an introduction to probability, statistics and data analysis by Maurits Kaptein and Edwin van den Heuvel, Cham: Springer, 2022. xxiv, 321 p.

ISBN: 9783030105303

Subject Terms: Sampling theory, Bootstrapping, Probability theory, Bayesian Statistics, Estimation, Mathematical statistics

519.2:4.6 KAP-S

178549; CL

Click for more details.

Design

39



Basics graphic design 02: design research: investigation for successful creative solutions by Neil Leonard and Gavin Ambrose, London: Bloomsbury, 2019. 192 p., Basics graphic design.

Includes bibliography and index (p. 187-192)

ISBN: 9781350167520

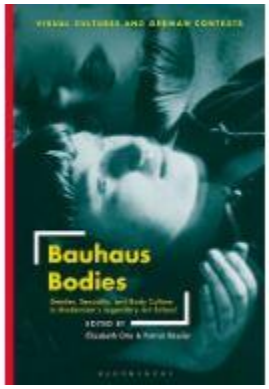
Subject Terms: Basics of research - Design, Understanding context - Design, Planning your work - Design, Conducting research - Design, Using your findings - Design, Presenting your findings - Design

766 LEO-B

178513; CL

Click for more details.

40



Bauhaus bodies: gender, sexuality, and body culture in modernism's legendary art school edited by Elizabeth Otto and Patrick Rossler, New York: Bloomsbury, 2019. xl, 345 p., Visual cultures and German contexts.

Includes index (p. 337-345)

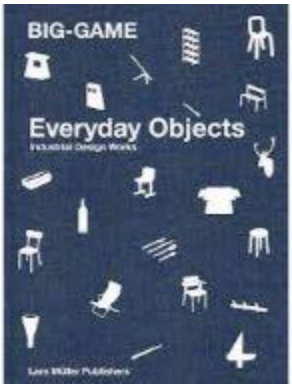
ISBN: 9781501344787
Subject Terms: Bauhaus in Weimar and beyond, Bauhaus women's, Bauhaus photography, Socialist humanism, Theatrical interior

7.038.16(430) -BAU

178514; CL

Click for more details.

41



Big-game everyday objects: industrial design works by Anniina Koivu, and Susanne Hilpert Stuber, Zurich: Lars Muller Publishers, 2019. 156 p.

ISBN: 9783037786048

Subject Terms: Switzerland - Designs, Designs - Home need, Furniture design, Chair design, Kitchen utensils design

7.5 KOI-B

178526; CL

Click for more details.

42



Blind maps and blue bots: the blurring of the producer-user divide in the production of visual information by Joost Grootens, Zurich: Lars Müller Publishers, 2021. 192 p.

Includes bibliography and index (p.180-189)

ISBN: 9783037786581

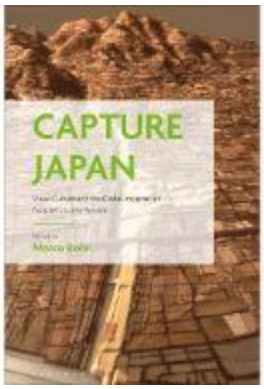
Subject Terms: Internet in cartography, Cartography - Data processing, Graphic arts, Digital mapping, Graphic design

766:528.9 GRO-B

178527; CL

Click for more details.

43



Capture Japan: visual culture and the global imagination from 1952 to the present edited by Marco Bohr, London: Bloomsbury, 2023. xvii, 305 p.

Includes index (p. 291-305)

ISBN: 9781350186798

Subject Terms: Signs - Japan, Myths - Japan, Ruins - Japan, Transformations - Japan, Global relations - Japan

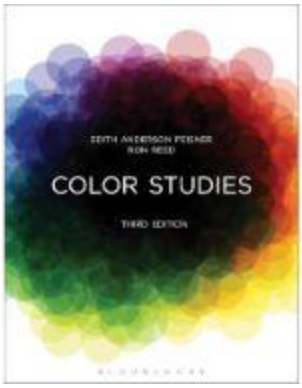
94(520) -CAP

178517; CL

Click for more details.

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44



Color studies by Edith Anderson Feisner and Ron Reed, 3rd ed., New York: Bloomsbury, 2014. xvi, 279 p.

Includes bibliography and index (p. 266-279)

ISBN: 9781609015312

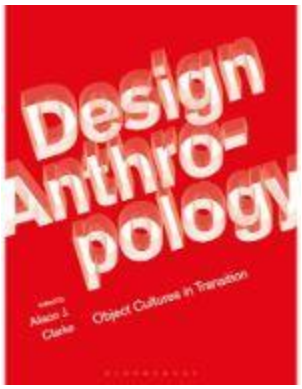
Subject Terms: Color composition, Color wheel, Coloring agents, Color mixing hues, Color symbolism

7.017.4 FEI-C

178512; CL

Click for more details.

45



Design anthropology: object cultures in transition edited by Alison J. Clarke, London: Bloomsbury, 2017. xxv, 226 p.

Includes index (p. 217-226)

ISBN: 9781350274334

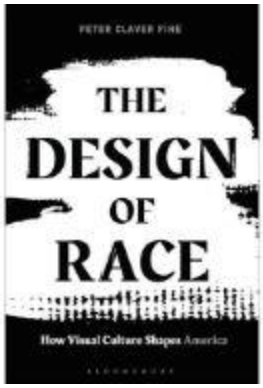
Subject Terms: Materials and design, Objects in sociology, Valuable to values, Poetic observation, Prototyping the social, Coloring cars, Interior decoration, Designing financial literacy in haiti

745/749 -DES

178518; CL

Click for more details.

46



Design of race: how visual culture shapes America by Peter Claver Fine, London: Bloomsbury, 2021. xx, 173 p.

Includes index (p. 169-173)

ISBN: 9781474299572

Subject Terms: Philosophy of art, Design - Social aspects, Communication in design, Arts and society, Race awareness in art

7.01/.09:77(73) FIN-D

178519; CL

Click for more details.

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47



Design way: intentional change in an unpredictable world by Harold G. Nelson and Erik Stolterman, 2nd ed., Cambridge: MIT Press, 2014. xiv, 282 p.

Includes references an index (p. 265-282)

ISBN: 9780262526708

Subject Terms: System design, Design - Philosophy, Design - Study and teaching, Design - Decorative arts

74 NEL-D

178496; CL

Click for more details.

48



Designing parks: Berlin's Park am Gleisdreieck or the art of creating lively places by Leonard Grosch and Constanze A. Petrow, 2nd ed., Berlin: Jovis verlag, 2021. 216 p.

Includes bibliography (p. 214-215)

ISBN: 9783868593815

Subject Terms: Landscape architecture, Urban parks - Design, Urban architecture, Public spaces, Parks - Germany - Berlin

712.253(430.131) GRO-D

178600; CL

Click for more details.

49



Experience design: concepts and case studies edited by Peter Benz, London: Bloomsbury, 2015. xiv, 191 p.

Includes index (p. 187-191)

ISBN: 9781472569394

Subject Terms: Positions - Design, Objects and environments, Interactions and performances, Human experience - Design, Design - Psychological aspects

745/749:159.9 -EXP

178516; CL

Click for more details.

50



History of science and technology: exploring new themes edited by Rattan Lal Hangloo, Jaipur: Rawat Publications, 2011. x, 308 p.

ISBN: 9788131604267

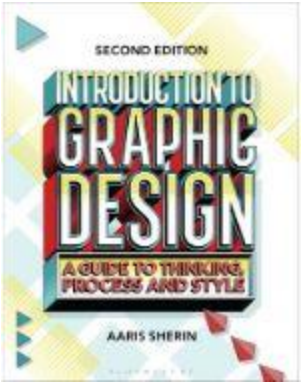
Subject Terms: Narmada homo erectus - India, Crafts technologies - India, Architecture and technological advancement - India, Social history - India, Minting technology - India

93/94(54) -HIS

178493; CL

Click for more details.

51



Introduction to graphic design: a guide to thinking, process and style by Aaris Sherin, 2nd ed., London: Bloomsbury, 2023. 252 p.

Includes index (p. 248-250)

ISBN: 9781350232235

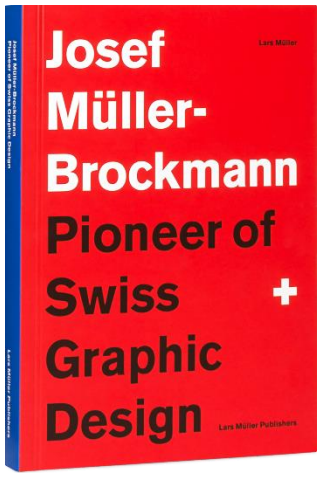
Subject Terms: Graphic arts, Typography, Layout, Semiotics, Visual arrangement, Colour theory

766 SHE-I

178515; CL

Click for more details.

52



Josef Muller-Brockmann: pioneer of Swiss graphic design edited by Lars Muller, Zurich: Lars Muller Publishers, 2022. 263 p.

ISBN: 9783037784686

Subject Terms: Graphic design - Teaching, Graphic artist, School of arts and crafts, Advertising agency, Photography

766MUL -JOS

178529; CL

Click for more details.

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53



Making posters: from concepts to design by Scott Laserow and Natalia Delgado, London: Bloomsbury Publishing, 2020. 239 p.

Includes bibliography and index (p. 232-239)

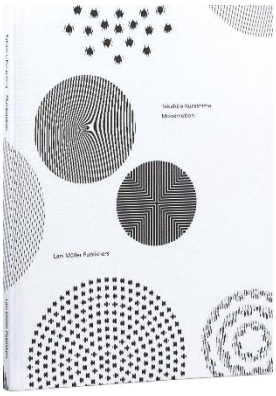
ISBN: 9781350090156
Subject Terms: Poster design, Image making, Rhythm and pattern, Art of persuasion, Burst of color

766:659.131.1 LAS-M

178596; CL

Click for more details.

54



Moiremotion by Takahiro Kurashima, Zurich: Lars Müller Publishers, 2023.

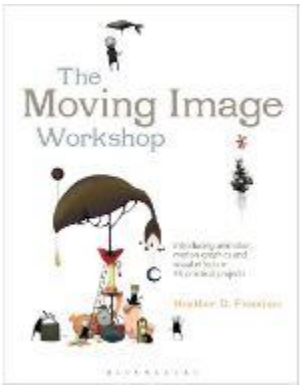
ISBN: 9783037786574
Subject Terms: Geometric patterns, Visual perception - Art, Interference pattern, Moiré pattern, Moiré effect

7.48 KUR-M

178530; CL

Click for more details.

55



Moving image workshop: introducing animation, motion graphics and visual effects in 45 practical projects by Heather D. Freeman, London: Bloomsbury, 2016. 288 p.

ISBN: 9781472572004

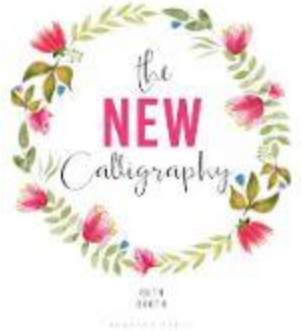
Subject Terms: Animated films, Digital animation, Animations - Visual works, Animation - Cinematography, Performing arts - Animation

766:004.928 FRE-M

178520; CL

Click for more details.

56



New calligraphy by Ruth Booth, London: Herbert Press, 2018. 223 p.

ISBN: 9781912217342

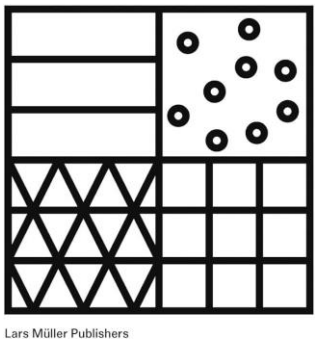
Subject Terms: Lettering style, Calligraphy - Technique, Writing tools, Hand lettering, Letter formation

744.43:3.77 BOO-N

178495; CL

Click for more details.

57



New grammar of ornament by Thomas Weil, Zurich: Lars Müller Publishers, 2021. 334 p.

ISBN: 9783037786536

Subject Terms: Decoration and ornament, Minimal - Decoration, Geometric - Design, Floral - Suns, Floral - Plants

745/749 WEI-N

178531; CL

Click for more details.

58



Passenger information system (Fahrgastinformationssystem): design manual for the Swiss federal railways (Gestaltungshandbuch fur die Schweizerischen Bundesbahnen) by Josef Muller Brockmann, Zurich: Lars Müller Publishers, 2019. v. p.

ISBN: 9783037786109

Subject Terms: Railroad stations, Information graphics, Graphic arts, Computer graphics, Signals and signalling

766:629.4=112.2(494) BRO-P

178528; CL

Click for more details.

59



R. Buckminster fuller: pattern-thinking by Daniel Lopez-Perez, Zurich: Lars Muller Publishers, 2021. 367 p.

Includes index (p. 360-367)

ISBN: 9783037786093

Subject Terms: Architecture - Design, Pattern perception - Design, Thought and thinking - Design, Design research, Design practice and pedagogy

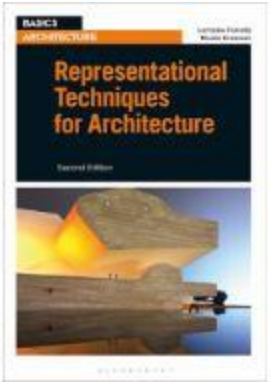
72:74 LOP-R

178532; CL

Click for more details.

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60



Representational techniques for architecture by Lorraine Farrelly and Nicola Crowson, 2nd ed., London: Bloomsbury, 2019. 184 p., Basics Architecture.

Includes bibliography and index (p. 180-183)

ISBN: 9781350142763

Subject Terms: Conceptual sketch, Orthographic projection, Portfolios, Axonometric drawings, CAD software

72.02 FAR-R

178521; CL

Click for more details.

61



Seeing South Asia: visuals beyond borders edited by Dev Nath Pathak, Biswajit Das and Ratan Kumar Roy, London: Routledge, 2023. xxiv, 295 p.

Includes index (p. 285-295)

ISBN: 9781032233192

Subject Terms: Travel, Social science - Media studies, Myths and the visual imagination, Visual inscriptions, Vernacular visual

572.028:316.7(5-13) -SEE

178593; CL

Click for more details.

62



Spirit of chairs: the chair collection of Thierry Barbier - Mueller edited by Marie Barbier-Mueller, Zurich: Lars Müller Publishers, 2022. 384 p.

includes index (p. 6-7)

ISBN: 9783037787106

Subject Terms: Chairs - Private collections, Thierry - Chair collections, Catalogues - Chairs, Switzerland - Geneva, Thierry art collections

749.1:645.41 -SPI

178551; CL

Click for more details.

63



State bauhaus in Weimar 1919–1923 (Staatliches bauhaus Weimar 1919 1923) edited by Lars Müller; essay by Astrid Bahr, Facsimile edition. Zurich: Lars Müller Publishers, 2019. 225 p.

ISBN: 9783037786239

Subject Terms: Art - German, Bauhas - History, Wiemar (Germany) - Intellectual life, Design - Germany - History, Art - Study and teaching

7.38.16(43)"1919/1923" -STA

178552; CL

Click for more details.

64



Suffrage and the arts: visual culture, politics and enterprise edited by Miranda Garrett and Zoe Thomas, London: Bloomsbury, 2020. xxxiii, 281 p.

Includes index (p. 273-281)

ISBN: 9781350128675

Subject Terms: Women - Suffrage, Glasgow women artists, Suffrage - Art, Art - Political aspects, Suffrage markets

7.05:342.821-0552 -SUF

178522; CL

Click for more details.

65



Thinking with your hands by Willy Guhl, Zurich: Lars Müller Publishers, 2023. 296 p.

Includes bibliography and index (p.285-289)

ISBN: 9783037787151

Subject Terms: Catalogues raisonnés - Guhl's work, Furniture design, Furniture design - Switzerland, Furniture designers, Product design

684.4 GUH-T

178533; CL

Click for more details.

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66



Visual coexistence: informationdesign and typography in the intercultural field edited by Ruedi Baur and Ulrike Felsing, Zurich: Lars Muller Publishers, 2020. 312 p.

ISBN: 9783037786130

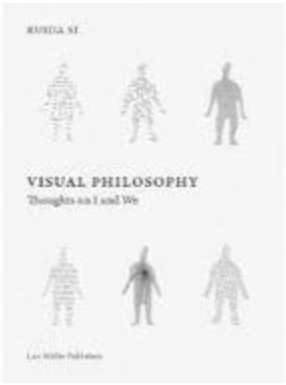
Subject Terms: Graphic arts, Visual communication, Writing - History, Multilingual topography, Visual translation

744.9:655.262 -VIS

178598; CL

Click for more details.

67



Visual philosophy: thought on I and we by Ruida Si, Zurich: Lars Müller Publishers, 2022. 301 p.

ISBN: 9783037786888

Subject Terms: Humanity - Pictorial works, Individualism, Visual communication - Philosophy., Commonality of life, Patterns

76:13 SI-V

178599; CC

Click for more details.

68



Visual research: an introduction to research methodologies in graphic design by Russ Bestley and Paul McNeil, 4th ed., London: Bloomsbury, 2022. 250 p.

Includes index (p. 246-249)

ISBN: 9781350160569

Subject Terms: Graphic arts - Research, Design - Research, Graphic arts - Study and teaching, Art and Design, Visual communication

76 BES-V

178523; CL

Click for more details.

69



With great truth and regard: the story of the typewriter in India edited by Sidharth Bhatia, Mumbai: Roli Books, 2016. 304 p.

Includes index (p. 304)

ISBN: 9788193274002

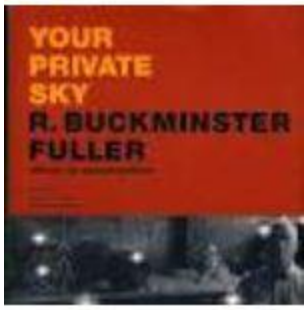
Subject Terms: Typewriters - India, Typewriting, Rise of Indian typewriter, Shift - Typewriters - Computers, Type writer - Godrej factory

681.61(54) -WIT

178492; CL

Click for more details.

70



Your private sky: R. Buckminster Fuller: the art of design science edited by Joachim Krausse and Claude Lichtenstein, Zurich: Lars Muller Publishers, 2017. 526 p.

Includes bibliography and index (p. 520-526)

ISBN: 9783037785249

Subject Terms: Architects, Art design, Lightfull houses, Navigator, Engineering design, Fuller research - Architecture

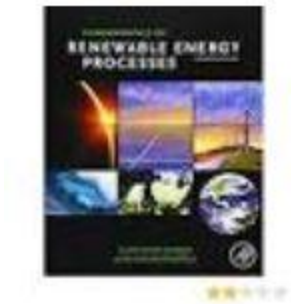
72:74 -YOU

178525; CL

Click for more details.

Energy Science and Engineering

71



Fundamentals of renewable energy processes by Aldo Vieira da Rosa and Juan Carlos Ordonez, 4th ed., London: Elsevier, 2022. xxi, 922 p.

Includes index (p. 897-922)

ISBN: 9780128160367

Subject Terms: Heat engines, Thermoelectricity, Thermionics, Photovoltaic converters, Solar radiation

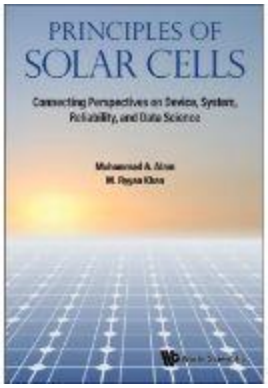
62.91 DA-F

178491; CL

Click for more details.

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72



Principles of solar cells: connecting perspectives on device, system, reliability, and data science by Muhammad A. Alam and M. Ryyan Khan, New Jersey: World Scientific, 2022. xxv, 514 p.

Includes index (p. 511-514)

ISBN: 9789811231537

Subject Terms: Thermodynamics, Solar farms, Electrode corrosion, Photodegradation, Light absorption

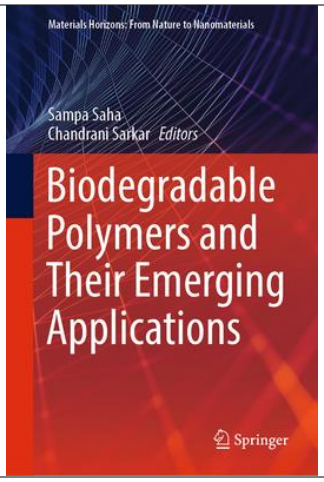
621.383.51 ALA-P

178567; CL

Click for more details.

GRATIS

73



Biodegradable polymers and their emerging applications edited by Sampa Saha and Chandrani Sarkar, Singapore: Springer, 2023. xviii, 263 p.
Includes index (p. 259-263)
ISBN: 9789819933068
Subject Terms: Carbohydrate based biodegradable polymers, Cellulose based biodegradable polymers, Food packaging application, Chitosan

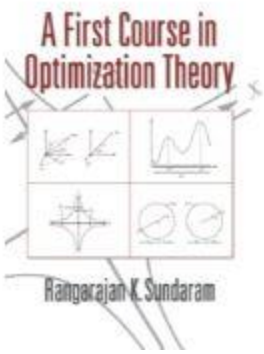
678.7:502.174.2 -BIO

G24002; CL

Click for more details.

Humanities & Social Sciences

74



First course in optimization theory by Rangarajan K. Sundaram, Cambridge: Cambridge University Press, 1996. xvii, 357 p.

Includes bibliography and index (p. 349-357)

ISBN: 9780521497701

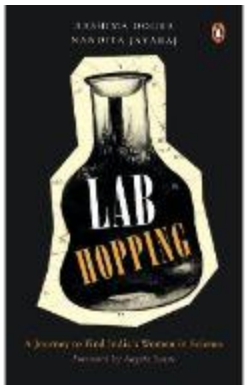
Subject Terms: Matrices, Theorem of Lagrange, Maximum theorem, Quasi-Convexity, Parametric continuity

519.863 SUN-F

178553; TB

Click for more details.

75



Lab hopping: a journey to find India's women scientists in India by Aashima Dogra and Nandita Jayaraj, Gurugram: Penguin, 2023. x, 294 p.

ISBN: 9780670090990

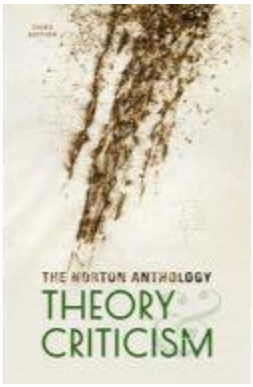
Subject Terms: Teacher - Scientist of India, Culture, Sexual harassment, Gender gap

5-55.2(54) DOG-L

178482-178483; CL; HSS

Click for more details.

76



Norton anthology of theory and criticism edited by Vincent B. Leitch, 3rd ed., New York: W. W. Norton, 2018. xliii, 2796 p.

Includes index (p. 2793-2796)

ISBN: 9780393602951

Subject Terms: Literature - History and criticism, Poststructuralism, Formalism, Psychonalysis, Aesthetics, Rhetoric

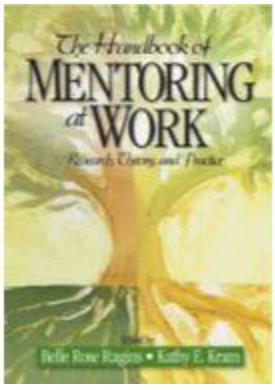
82.9 -NOR

178500-178501; CL; HSS

Click for more details.

Management Studies

77



Handbook of mentoring at work: theory, research and practice edited by Belle Rose Ragins and Kathy E. Kram, Los Angeles: Sage Publications, 2007. xi, 745 p.

ISBN: 9781412916691

Subject Terms: Business and economics - Handbooks, manual, etc., Business and management - Handbooks, manual, etc., Leadership - Handbooks, manual, etc., Interpersonal relations - Handbooks, manual, etc., Organizational behaviour - Handbooks, manual, etc.

RL-HB 658.3:316.46(21) -HAN

178550; REF

Click for more details.

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78



International business: attitudes and alternatives by Alan Sitkin, 2nd ed., London: Routledge, 2022. xxxi, 493 p.

Includes index (p. 489-493)

ISBN: 9780367746773

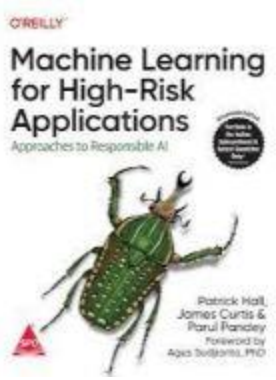
Subject Terms: Internationalization strategies, Multinational treasury, International business enterprises, Global governance, International business - Future

658:339.5 SIT-I

178508-178509; CL-MS

Click for more details.

79



Machine learning for high-risk applications: approaches to responsible AI by Patrick Hall, James Curtis & Parul Pandey, Beijing: O'Reilly, 2023. xxi, 438 p.

Includes index (p. 415 - 438)

ISBN: 9789355429728

Subject Terms: Artificial intelligence, Model debugging, Pytorch Image Classifier, Machine learning - Risk management, XGboost

681.3 HAL-M

178544-178545; CL; MS

Click for more details.

80



Marketing management: past, present and future by Michael R. Czinkota... (et.al.), 4th ed., Cham: Springer, 2021. xxviii, 880 p., Springer Texts in Business and Economics.

Includes index (p. 849-880)

ISBN: 9783030669157

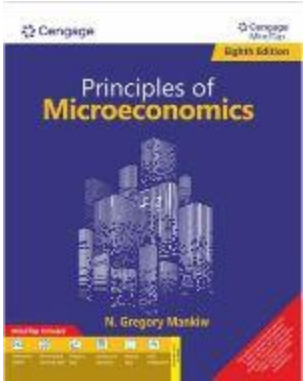
Subject Terms: Marketing mix, Marketing plannning, Marketing audit, Product strategy, Supply chain management

658.8 -MAR

178510-178511; CL; MS

Click for more details.

81



Principles of microeconomics by N. Gregory Mankiw, 8th ed., New Delhi: Cengage Learning, 2018. xxviii, 464 p.

ISBN: 9789355734150

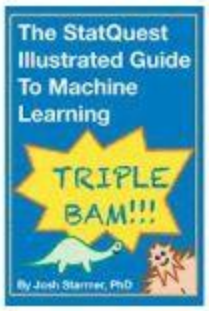
Subject Terms: Supply and demand theory, Taxation, International trade, Production and cost, Markets and welfare, Oligopoly

330.101.542 MAN-P

178536-178541; CL; TB

Click for more details.

82



Statquest illustrated guide to machine learning by Josh Starmer, United States: StatQuest Publications, 2022. 304 p.

Includes index (p. 304-304)

ISBN: 9798986924021

Subject Terms: Machine learning - Fundamental concepts, Cross validation, Linear regression, Gradient descent, Naive bayes

681.3(84.1) STA-S

178542-178543; CL; MS

Click for more details.

Materials Science & Engineering

83



ASM handbook: Vol. 2B properties and selection of aluminum alloys edited by Kevin Anderson, John Weritz and Gilbert Kaufman, Ohio: ASM International, 2019. xiii, 636 p.

Includes index (p. 627-636)

ISBN: 9781627082082

Subject Terms: Metal - Handbooks, manuals etc., Metal work - Handbooks, manuals etc., Aluminum structural design - Handbooks, manuals etc., Fatigue- Handbooks, manuals etc., Wrought aluminum alloys - Handbooks, manuals etc.

RL-HB 669.71(021) -ASM

178575; CL

Click for more details.

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84



Fundamental polymer science by Ulg W. Gedde and Mikael S. Hedenqvist, Cham: Springer, 2019. xiii, 493 p., Graduate Texts in Physics.

Includes index (p. 487- 493)

ISBN: 9783030297923

Subject Terms: Rubber elasticity, Crystallization kinetics, Liquid-crystalline polymers, Polymer synthesis, Glassy amorphous state

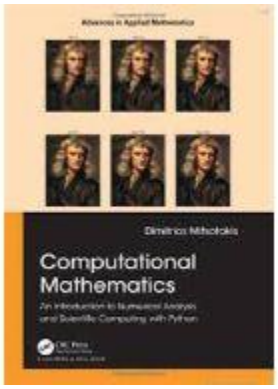
678-1 GED-F

178507; DMSE

Click for more details.

Mathematics

85



Computational mathematics: an introduction to numerical analysis and scientific computing with python by Dimitrios Mitsotakis, Boca Raton: CRC Press, 2023. xvii, 508 p., Advances in applied mathematics.

Includes bibliography and index (p. 493-508)

ISBN: 9781032262390

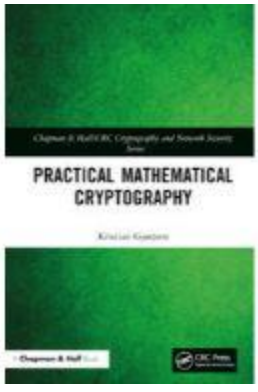
Subject Terms: Scientific computing, Numerical integration, Roots of equations, Interpolation and approximation, Numerical linear algebra

519.6:004.43P MIT-C

178602; CL

Click for more details.

86



Practical mathematical cryptography by Kristian Gjosteen, Boca Raton: CRC Press, 2023. xi, 533 p., Chapman & hall/CRC cryptography and network security series.

Includes index (p. 525-533)

ISBN: 9780367710859

Subject Terms: Public key encryption, Digital signature, Mathematics - Linear programming, Cryptographic voting, Quantum computation

51:004.056.55 GJO-P

178603; CL

Click for more details.

Mechanical Engineering

87



Active and passive vibration damping by Amr M. Baz, Hoboken: Wiley, 2019. xxxii, 719 p.

Includes index (p. 715-719)

ISBN: 9781118481929

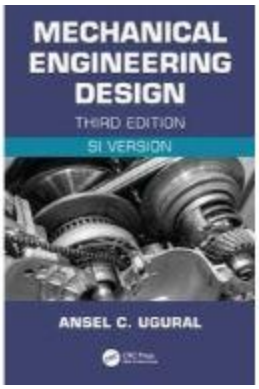
Subject Terms: Damping - Mechanics, Viscoelastic materials, Nanoparticle damping composites, Viscoelastic damping, Damping treatments

534.833.6 BAZ-A

178534-178535; CL; ME

Click for more details.

88



Mechanical engineering design: SI Version by Ansel C. Ugural, Boca Raton: CRC Press, 2022. xxxiv, 802 p.

Includes index (p. 791-802)

ISBN: 9781032170046

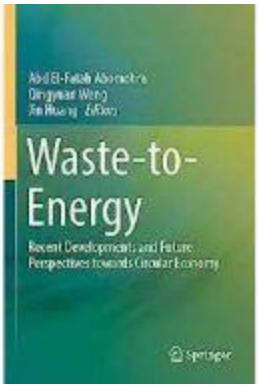
Subject Terms: Machine parts - design and construction, Stress and strain, Spur gears, Machine design, Springs, Bearings and lubrication

621-1/-9 UGU-M

178497; CL

Click for more details.

89



Waste-to-energy: recent developments and future perspectives towards circular economy edited by Abd El-Fatah Abomohra, Qingyuan Wang, and Jin Huang, Cham: Springer, 2022. xii, 651 p.

ISBN: 9783030915698

Subject Terms: Biofuels, Waste fermentation, Conversion of waste, Biomass energy, Waste management

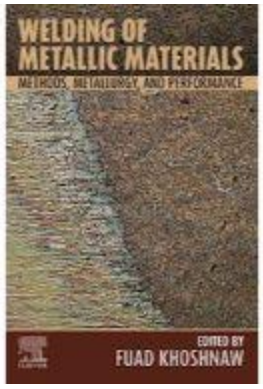
62.93:628.3/.4 -WAS

178499; CL

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90



Welding of metallic materials: methods, metallurgy, and performance edited by Fuad Khoshnaw, Amsterdam: Elsevier, 2023. xx, 608 p.

Includes index (p. 589 - 608)

ISBN: 9780323905527

Subject Terms: Plasma welding, Laser welding, Friction stir welding, Electroslag welding, Solid-state welding

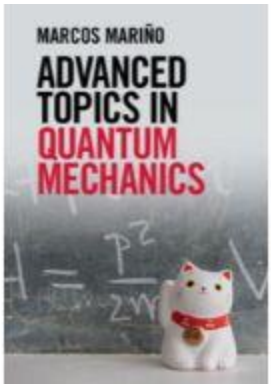
621.791 -WEL

178498; CL

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Physics

91



Advanced topics in quantum mechanics by Marcos Marino, New York: Cambrige University Press, 2022. ix, 262 p.

Includes references and index (p.254-262)

ISBN: 9781108495875

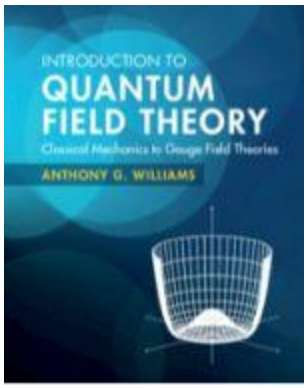
Subject Terms: Quantum theory, Phase space - Quantum mechanics, Density matrix, Quantum propagator, Metastable states

530.145 MAR-A

178577-178578; CL; PH

Click for more details.

92



Introduction to quantum field theory: classical mechanics to gauge field theories by Anthony G. Williams, Cambridge: Cambridge University Press, 2023. xix, 772 p.

Includes index (p.764-772)

ISBN: 9781108470902

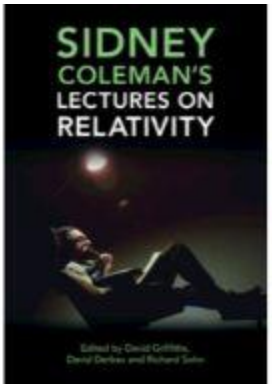
Subject Terms: Relativistic quantum mechanics, Particle physics, Lorentz and poincare invariance, Symmetries and renormalization, Nonabelian gauge theories

530.145:531 WIL-I

178579-178580; CL; PH

Click for more details.

93



Sidney Coleman's lectures on relativity edited by David Griffiths, David Derbes and Richard Sohn, Cambridge: Cambridge University Press, 2022. x, 249 p.

Includes index (p. 234-249)

ISBN: 9781316511725

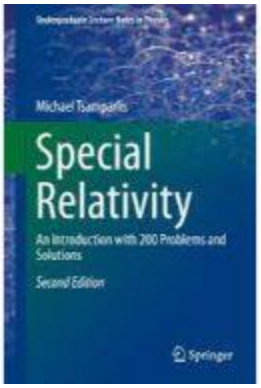
Subject Terms: Relativistic mechanics, Relativistic electrodynamics, Differential geometry, Gravity, Conservation and cosmology

530.12 -SID

178572; CL

Click for more details.

94



Special relativity: an introduction with 200 problems and solutions by Michael Tsamparlis, 2nd ed., Cham: Springer, 2019. xxv, 815 p., Undergraduate lecture notes in physics.

ISBN: 9783030273491

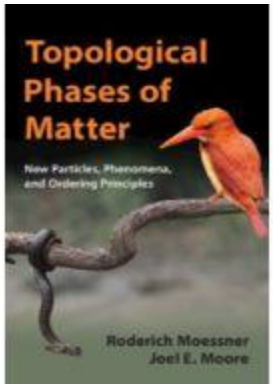
Subject Terms: Newtonian physics, Relativistic kinematics, Paradoxes, Relativistic reactions, Irreducible decompositions

530.12 TSA-S

178589; PH

Click for more details.

95



Topological phases of matter: new particles, phenomena, and ordering principles by Roderich Moessner and Joel E. Moore, Cambridge: Cambridge University Press, 2021. xiv, 378 p.

Includes index (p. 371-378)

ISBN: 9781107105539

Subject Terms: Condensed matter physics, Geometric quantum phases, Topological field theory, Fractionalization, Topology

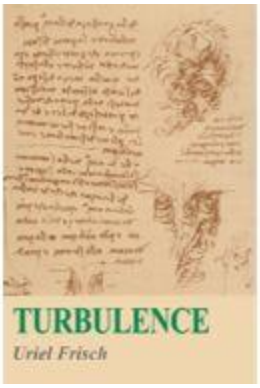
538.9:515.1 MOE-T

178494; CL

Click for more details.

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96



Turbulence: the legacy of A. N. Kolmogorov by Uriel Frisch, Cambridge: Cambridge University Press, 1995. xiii, 296 p.

Includes index (p. 283-296)

ISBN: 9780521457132

Subject Terms: Conservation laws, Dynamical system, Probabilistic tools, Intermittency, Eddy viscosity

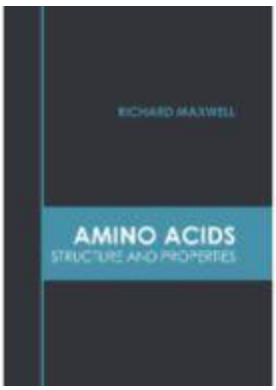
532.517.4 FRI-T

178604-178605; CL; PH

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School of Biological Sciences

97



Amino acids: structure and properties by Richard Maxwell, Brooklyn: State Academic Press, 2022. x, 236 p.

Includes index (p. 235-236)

ISBN: 9781639890439

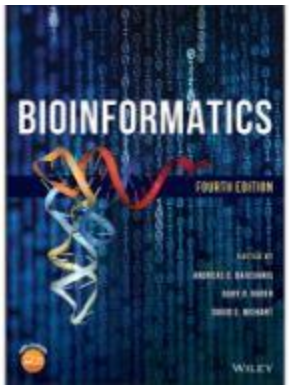
Subject Terms: Amino acids - classification, Amino compounds, Proteins, Glutamate & Glutamine synthesis, Amino acids - synthesis

547.466 MAX-A

178484; CL

Click for more details.

98



Bioinformatics edited by Andreas D. Baxevanis, Gary D. Bader and David S. Wishart, 4th ed., Hoboken: Wiley, 2020. xvii, 625 p.

Includes index (p. 609-625)

ISBN: 9781119335580

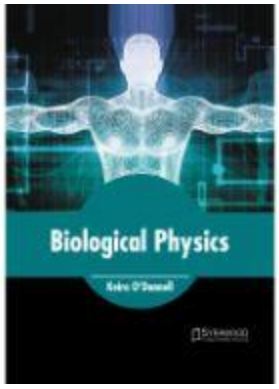
Subject Terms: Proteomics, Genome annotation, Metabolomics, Biological networks, Population genetics

575.112 -BIO

178502; CL

Click for more details.

99



Biological physics edited by Keira O'Donnell, New York: Syrawood Publishing House, 2020. vi, 227 p.

Includes index (p. 226-227)

ISBN: 9781682869116

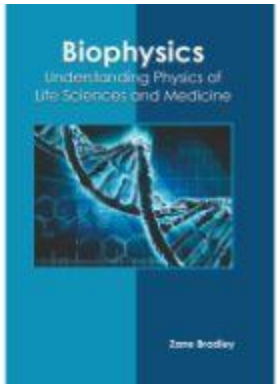
Subject Terms: Mitochondrial thermogenesis, X-ray crystallography, Membrane bioreactor system, Dye-based mito-thermometry, Cryo-electron tomography

577.3 -BIO

178563; CL

Click for more details.

100



Biophysics: understanding physics of life sciences and medicine by Zane Bradley, New York: Murphy & Moore, 2022. viii, 227 p.

Includes index (p. 226-227)

ISBN: 9781639870783

Subject Terms: Medical physics, Molecular biophysics, Biomechanics, X-ray Crystallography, Medical sciences

577.3 BRA-B

178485; CL

Click for more details.

101



Computational biology: an introductory text by Ashley Scott, New York: Murphy & Moore, 2022. viii, 234 p.

Includes index (p. 233-234)

ISBN: 9781639871223

Subject Terms: Bioinformatics, Systems biology, Gene expression regulation, Network motifs, Transcription networks

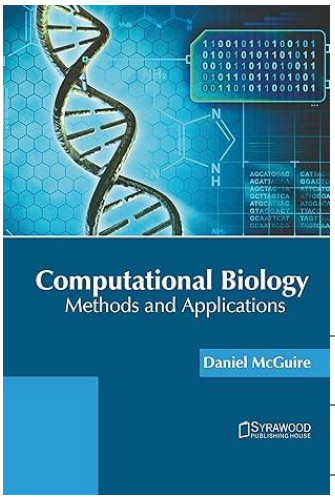
575.112:4 SCO-A

178486; CL

Click for more details.

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102



Computational biology: methods and applications edited by Daniel McGuire, New York: Syrawood Publishing House, 2023. vi, 243 p.

Includes index (p. 242-243)

ISBN: 9781647403614

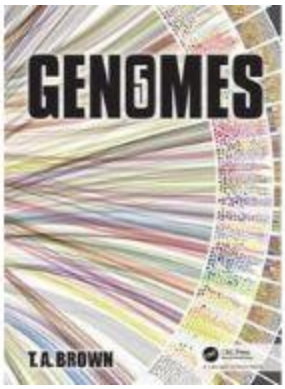
Subject Terms: FluxVisualizer, Lipoprotein Metabolism, Oscillatory Mass-Action Networks, Systems biology, Bioinformatics

577.2:004 -COM

178564; CL

Click for more details.

103



Genomes by T.A. Brown, 5th ed., Boca Raton: CRC Press, 2023. xv, 530 p.

Includes index (p. 509-530)

ISBN: 9780367674076

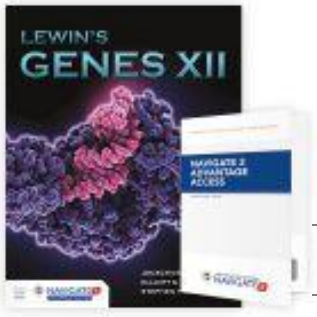
Subject Terms: Proteomes, DNA Cloning, Genetic sequencing, Transcriptomes, Eukaryotic nuclear genomes, Genome replication

575.111 BRO-G

178503; CL

Click for more details.

104



Lewin's GENES XII by Jocelyn E. Krebs, Elliott S. Goldstein and Stephen T. Kilpatrick, 12th ed., Burlington: Jones & Bartlett Learning, 2018. xxv, 837 p.

Includes index (p. 809-837)

ISBN: 9781284104493

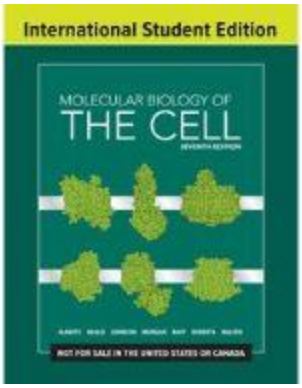
Subject Terms: Genetics, Chromatin, DNA replication and recombination, Eukaryotic Transcription, Chromosomes

575.113 KRE-L

178585; SBS

Click for more details.

105



Molecular biology of the cell by Bruce Alberts...(et.al.), 7th ed., New York: W. W. Norton, 2022. v.p.

Includes index (p. I:1 - I:70)

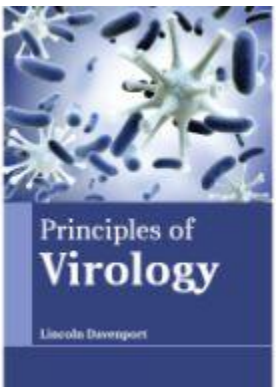
ISBN: 9780393884852
Subject Terms: Genetic mechanisms, DNA replication, Cell cycle, Cell - Internal organization, Cell metabolism

577.2 -MOL

178504; CL

Click for more details.

106



Principles of virology by Lincoln Davenport, Brooklyn: States Academic Press, 2022. viii, 238 p.
Includes index (p.237-238)

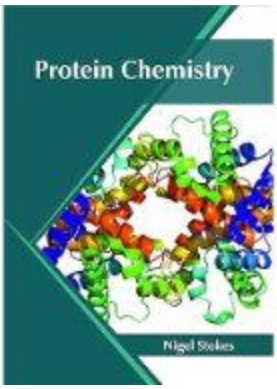
ISBN: 9781639894437
Subject Terms: Viruses, Virus life cycle, Viruses - classification, Viral proteins, Viral diseases

578 DAV-P

178561; CL

Click for more details.

107



Protein chemistry edited by Nigel Stokes, New York: Syrawood Publishing House, 2018. 215 p.
Includes index (p. 214-215)

ISBN: 9781682865965
Subject Terms: Protein folding, Denaturation (Biochemistry), Chromatography, Motor proteins, Enzymes mechanisms

577.112 -PRO

178565; CL

Click for more details.

108



Protein science: structure and mechanism edited by Anton Torres, Brooklyn: States academic press, 2021. vi, 241 p.
Includes index (p. 240-241)

ISBN: 9781639894499
Subject Terms: Protein engineering, Proteomics, Intercellular protein, Biological science, Synapse formation, Human neutrophils

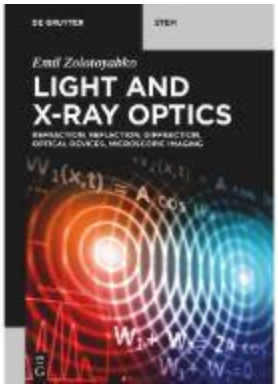
577.112 -PRO

178562; CL

Click for more details.

Sensors Instrumentation & Cyber-physical System Engineering

109



Light and x-ray optics: refraction, reflection, diffraction, optical devices, microscopic imaging by Emil Zolotoyabko, Berlin: De Gruyter, 2023. xii, 286 p.

Includes index (p. 281-286)

ISBN: 9783111139692

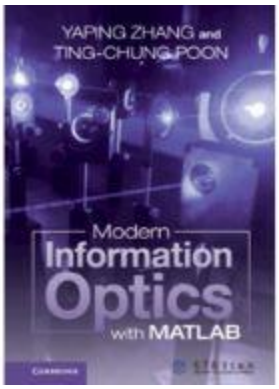
Subject Terms: Geometrical optics, Anisotropic crystals, Phase-contrast microscopy, Polarization, Dynamical X-ray diffraction

535 ZOL-L

178488; CL

Click for more details.

110



Modern information optics with MATLAB by Yaping Zhang and Ting-Chung Poon, Cambridge: Cambridge University Press, 2023. xii, 321 p.

Includes index (p. 317-321)

ISBN: 9781316511596

Subject Terms: Information display systems, Fourier analysis, Coherent holography, Optical communications, Digital holography

621.391:004.438M ZHA-M

178489; CL

Click for more details.

Textile and Fibre Engineering

111



Sustainable innovations in textile chemistry and dyes edited by Subramanian Senthilkannan Muthu, Singapore: Springer, 2018. vii, 91 p., Textile science and clothing technology.

ISBN: 9789811085994

Subject Terms: Wool dyeing, Green chemistry, Sustainable manufacturing, Bioremediation, Industrial and production engineering

677.027 -SUS

178594; CL

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Supervisor	:	Aggarwal, Monika (Prof.) - CARE
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Department	:	Centre for Applied Research in Electronics, IITD
Year	:	2023
Supervisor	:	Das, Samaresh (Assoc. Prof.) - CARE; Jain, Alok - SSPL, DRDO
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Researcher	:	Chandra, Varunesh
Department	:	Centre for Atmospheric Sciences, IITD
Year	:	2023
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Year	:	2023
Supervisor	:	Chariar, Vijayaraghavan M. (Prof.) - CRDT
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Researcher	:	Ankur Kumar
Department	:	Centre for Rural Development and Technology, IITD
Year	:	2023
Supervisor	:	Naik, S N (Prof.) - CRDT; Sahu, Jatindra K (Prof.) - CRDT
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Researcher	:	Sharma, Reena
Department	:	Department of Chemical Engineering, IITD
Year	:	2023
Supervisor	:	Kodamana, Hariprasad (Assoc. Prof.) - CHE
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Supervisor	:	Rathore, Anurag S. (Prof.) - CHE
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Barcode	:	TH7410
Call No.	:	TH 66.065.5:615 GAR-Q

Title	:	Modulating optical properties of lead-free halide double perovskites by Raman
Researcher	:	Raman
Department	:	Department of Chemistry, IITD
Year	:	2023
Supervisor	:	Sapra, Sameer (Prof.) - CHY
Physical description	:	xxvi, 160 p.
Subject terms	:	Crystal structure - perovskites, Powder X-ray diffraction, Transmission electron microscopy, Raman spectroscopy, Electron paramagnetic resonance spectroscopy
Barcode	:	TH7419
Call No.	:	TH 549.4:544.412.3 RAM-M

Title	:	Tuning the optical and magnetic properties of halide layered double perovskites via doping and alloying by Priyesh
Researcher	:	Priyesh
Department	:	Department of Chemistry, IITD
Year	:	2023
Supervisor	:	Sapra, Sameer (Prof.) - CHY
Physical description	:	xxvi, 170 p.
Subject terms	:	Crystal structure, Powder X-ray diffraction, X-ray photoelectron spectroscopy, Optical and magnetic characterization, Electron microscopy
Barcode	:	TH7415
Call No.	:	TH 549.641 PRI-T

Title	:	Affordance framework to formalize the integrated design of built environment by Durva Gupta
Researcher	:	Gupta, Durva
Department	:	Department of Civil Engineering, IITD
Year	:	2023
Supervisor	:	Maheswari, J. Uma (Assoc. Prof.) - CE; Krishnan, N M Anoop (Asst. Prof.) - CE
Physical description	:	xiv, 161 p.
Subject terms	:	Construction industry, Construction project management, Integrated design, Affordance based design, Engineering design theories
Barcode	:	TH7414
Call No.	:	TH 69:658 GUP-A

Title	:	Dispersion of line source exhaust emissions using an integrated modelling approach: a case study of Delhi city by Archana Chawla
Researcher	:	Chawla, Archana
Department	:	Department of Civil Engineering, IITD
Year	:	2023
Supervisor	:	Khare, Mukesh (Prof.) - CE
Physical description	:	xxii, 249 p.
Subject terms	:	Vehicular pollution - Delhi, Vehicular emission, Emission model - MOVES, Environmental parameters, Air pollution - urban areas
Barcode	:	TH7413
Call No.	:	TH 551.508.951(540.23) CHA-D

Title	:	Managing design-construction interface in BIM projects Arun Sekhar
Researcher	:	Sekhar, Arun
Department	:	Department of Civil Engineering, IITD
Year	:	2023
Supervisor	:	Maheswari, J. Uma (Assoc. Prof.) - CE; Banerjee, Arnab (Asst. Prof.) - CE
Physical description	:	xiv, 128 p.
Subject terms	:	Design-construction interface, Constructability, Accountability, Stakeholder synergy, Procurement
Barcode	:	TH7407
Call No.	:	TH 69:681.3 SEK-M

Title	:	Scalable methods for learning practical data-aware bloom filters by Arindam Bhattacharya
Researcher	:	Bhattacharya, Arindam
Department	:	Department of Computer Science and Engineering, IITD
Year	:	2023
Supervisor	:	Bagchi, Amitabha (Prof.) - CSE; Bedathur, Srikanta (Prof.) - CSE
Physical description	:	xi,130 p.
Subject terms	:	FROCC, Query optimization, Dynamic bloom filters, Set membership problem, MNIST
Barcode	:	TH7417
Call No.	:	TH 004.85 BHA-S

Title	:	Polyzwitterionic gels and nanogels for fixation and/ or release of anions and gaseous molecules and their applications by Ujjawal Bairagi
Researcher	:	Bairagi, Ujjawal
Department	:	Department of Materials Science and Engineering, IITD
Year	:	2023
Supervisor	:	Jacob, Josemon (Prof.) - MSE
Physical description	:	xxxviii, 212 p.
Subject terms	:	Swelling kinetics, Brackish/ sea water desalination, Metabolic acidosis, Antimicrobial activity, Polyzwitterionic nanogels
Barcode	:	TH7423
Call No.	:	TH 678-1:54-148 BAI-P

Title	:	Fabrication and characterization of open cell Ti-alloy foam using holder space technique for bio-implants by Jyotsna Gupta
Researcher	:	Gupta, Jyotsna
Department	:	Department of Mechanical Engineering, IITD
Year	:	2023
Supervisor	:	Ghosh, S. (Prof.) - ME; Aravindan, S. (Prof.) - ME
Physical description	:	xxxi, 173 p.
Subject terms	:	Biomaterials, Cell viability, Fractured suraface, Kirkendall pore, Mechanical properties
Barcode	:	TH7405
Call No.	:	TH 669.295:616-7 GUP-F

Title	:	Stochastics finite element model updating using frequency response functions by Asish Kumar Panda
Researcher	:	Panda, Asish Kumar
Department	:	Department of Mechanical Engineering, IITD
Year	:	2023
Supervisor	:	Modak, Subodh V. (Prof.) - ME
Physical description	:	xxxi, 228 p.
Subject terms	:	Uncertainty modelling, Stochastic dynamic analysis, Perturbation-based stochastic model, Stochastic identification of damped beams, FRF-based perturbation
Barcode	:	TH7421
Call No.	:	TH 517.962:621.03 PAN-S

Title	:	Studies on deformation and failure mechanisms of composite material systems under high-velocity impact of bullet projectiles by Kartikeya
Researcher	:	Kartikeya
Department	:	Department of Mechanical Engineering, IITD
Year	:	2023
Supervisor	:	Bhatnagar, Naresh (Prof.) - ME
Physical description	:	xx, 192 p.
Subject terms	:	Body aromor, UHMWPE fiber, High-velocity impact test, Armor stee, Armor ceramics
Barcode	:	TH7406
Call No.	:	TH 620.17:623.445.1 KAR-S

Title	:	Femtosecond terahertz dynamics in spintronic heterostructures by Sandeep Kumar
Researcher	:	Sandeep Kumar
Department	:	Department of Physics, IITD
Year	:	2023
Supervisor	:	Sunil Kumar (Prof.) - PH
Physical description	:	xxiii, 159 p.
Subject terms	:	THz radiation, Ultrafast lasers, Femtosecond pulse characterisation, Nonlinear optical rectification, Spin-orbit coupling
Barcode	:	TH7424
Call No.	:	TH 537.6/.8 SAN-F

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Title	:	Study of nonlinear optical properties and ultrafast dynamics in photonic structures by Jitendra Nath Acharyya
Researcher	:	Acharyya, Jitendra Nath
Department	:	Department of Physics, IITD
Year	:	2023
Supervisor	:	Prakash, G. Vijaya (Prof.) - PH
Physical description	:	xxxi, 232 p.
Subject terms	:	Metal photonics, RF/DC magnetron sputtering technique, Optical nonlinearities, 1D photonic structures, Transfer matrix method simulations
Barcode	:	TH7404
Call No.	:	TH 535.14 ACH-S
Title	:	DIPTI: a digital intervention programme for teachers in India on management of classroom behavioural concerns in senior school students by Madhumita Ramakrishna
Researcher	:	Ramakrishna Madhumita
Department	:	IIT Delhi and University of Queensland
Year	:	2023
Supervisor	:	Singh, Purnima (Prof.) - HSS; Bambling, Matthew (Prof.) - University of Queensland, Australia
Physical description	:	xv, 365 p.
Subject terms	:	Adolescent behaviour, Teacher behaviour, Teacher self-efficacy, Classroom management, Digital intervention
Barcode	:	TH7416
Call No.	:	TH 37.07(540) RAM-D
Title	:	Investigating the structural and functional implications of cancer relevant PKM2 mutations by Saurabh Upadhyay
Researcher	:	Upadhyay, Saurabh
Department	:	Kusuma School of Biological Sciences, IITD
Year	:	2023
Supervisor	:	Patel, Ashok (Assoc. Prof.) - SBS
Physical description	:	175 p.
Subject terms	:	Cancer metabolism, PKM2 protein behaviour, Pyruvate kinase activity, Crystal conditions, L144P mutant proteins
Barcode	:	TH7422
Call No.	:	TH 616-006.6:577.122 UPA-I

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