

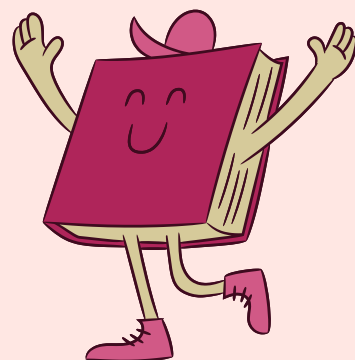
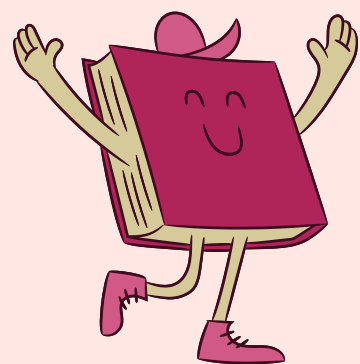


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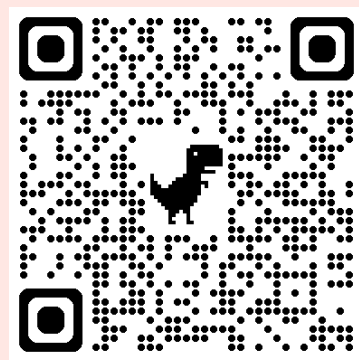
Bookworm



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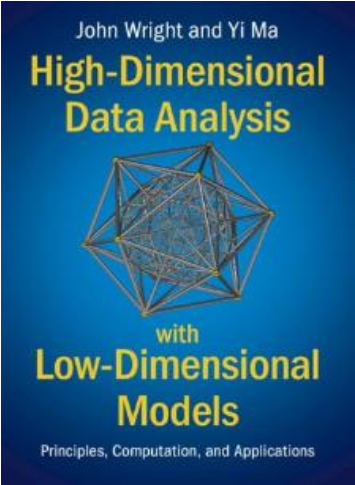
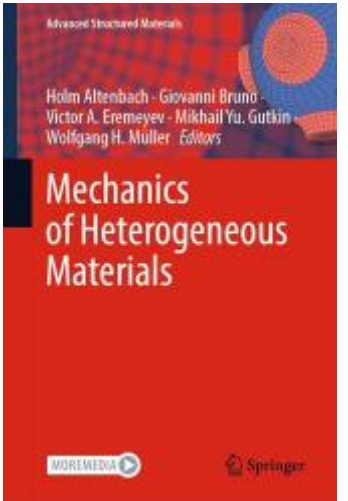
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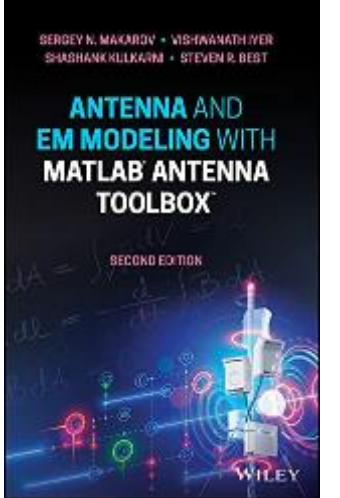
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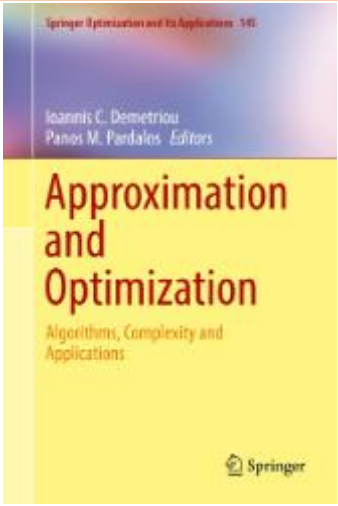
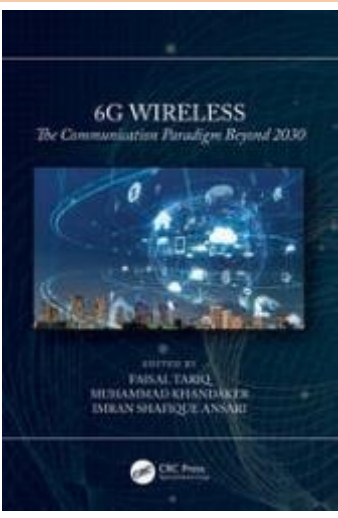
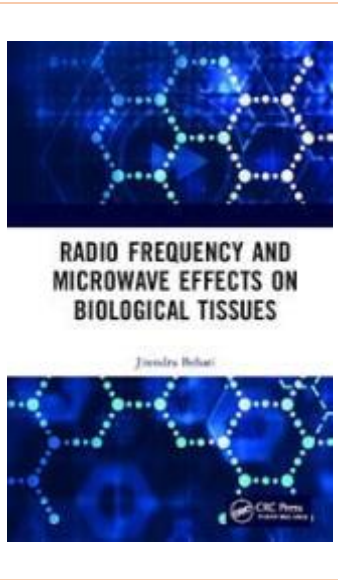
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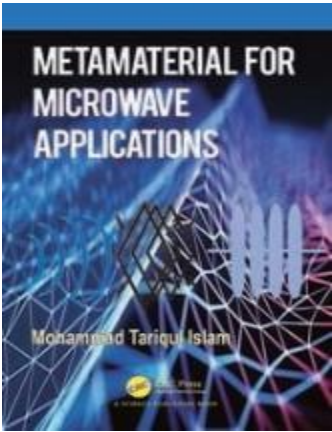
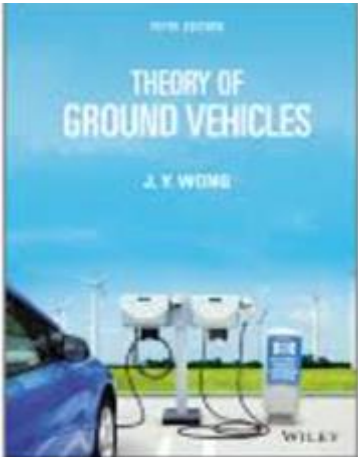
Applied Mechanics

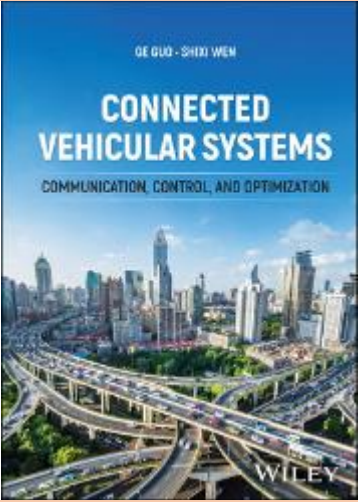
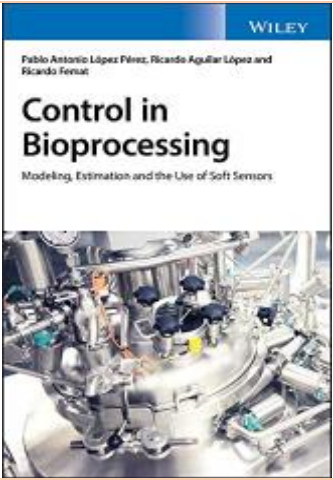
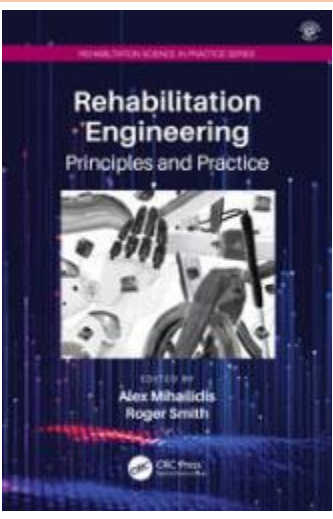
1		High-dimensional data analysis with low-dimensional models: principles, computation, and applications by John Wright and Yi Ma, Cambridge: Cambridge University Press, 2022. xxix, 685p. Includes references and index (p.633-685) ISBN: 9781108489737 Subject Terms: Big data-mathematical models; Machine learning; Mathematical models; Mathematical statistics 517:004.6 WRI-H 179540; CL Click here for more details.
2		Mechanics of heterogeneous materials edited by Holm Altenbach...(et al.), Switzerland: Springer, 2023. xxxi, 513p., - Advanced structured materials. ISBN: 9783031287435 Subject Terms: Continuum mechanics; Microcracking; Acoustofluidics; Integral Eshelby's formulas; Gyroscopic elastic systems 620.192.3 -MEC 179598; CL Click here for more details.

Applied Research in Electronics

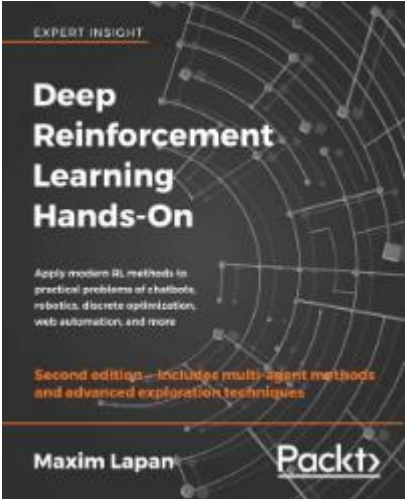
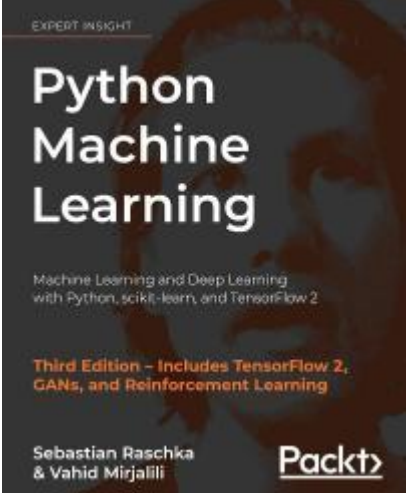
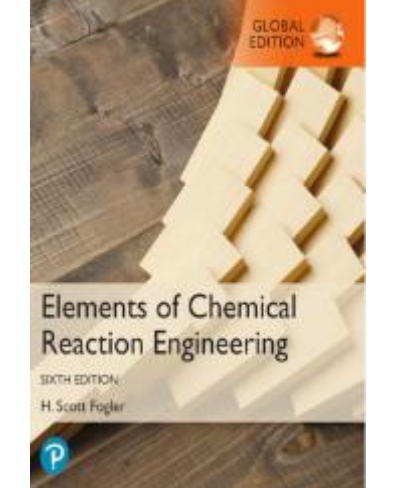
3		Antenna and EM modeling with MATLAB antenna toolbox by Sergey N. Makarov...(et al.), 2nd ed., Hoboken: Wiley, 2021. xv, 319 p. Includes index (p. 317-319) ISBN: 9781119693697 Subject Terms: Antenna radiation patterns - Computer simulation; Electromagnetic waves; Antenna circuit model; Antenna reflector 621.396.67:004.43M -ANT 179547; CL Click here for more details.

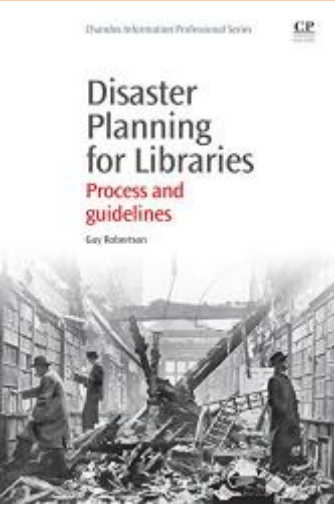
4		Approximation and optimization: algorithms, complexity, and applications edited by Ioannis C. Demetriou and Panos M. Pardalos, Cham: Springer, 2019. x, 237 p., - Springer optimization and its application. ISBN: 9783030127695 Subject Terms: Algorithm design; Data smoothing; Monotonic approximation; Networked control systems 519.65/.863 -APP 179524; CL Click here for more details.
5		6G wireless: the communication paradigm beyond 2030 edited by Faisal Tariq, Muhammad Khandaker and Imran Shafique Ansari, Boca Raton: Routledge, 2023. viii, 345 p. Includes index (p.341-345) ISBN: 9781032251738 Subject Terms: Communications and information processing; Digital and wireless communication; Telecommunications; Communications system design 621.391 -WIR 179525; CL Click here for more details.
6		Radiofrequency and microwave effects on biological tissues by Jitendra Behari, New York: CRC Press, 2020. xxii, 287 p. Includes references and index (p. 282-287) ISBN: 9780367254599 Subject Terms: Medical biotechnology; Technology-electricity; Radio waves-physiological effect; Technology microwaves; Wireless communication technology 615.849.11 BEH-R 179565; CL Click here for more details.
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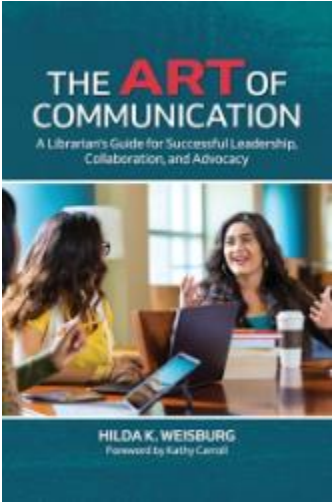
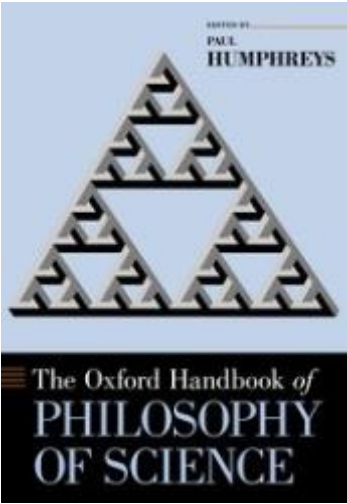
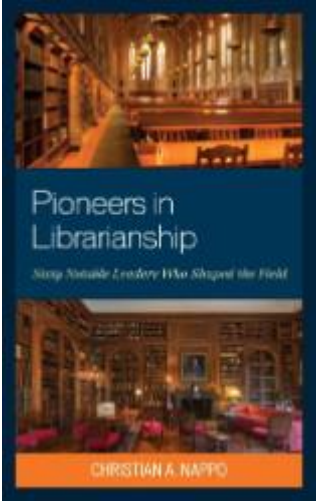
7		Metamaterial for microwave applications by Mohammad Tariqul Islam, Boca Raton: CRC Press, 2023. xii, 284 p. Includes index (p. 279-284) ISBN: 9781032414522 Subject Terms: Material sensing; Metamaterial antennas; Metamaterial structure; Microwave head imaging; Wireless communication in metamaterials 621.37 ISL-M 179566; CL Click here for more details.
8		Security and privacy schemes for dense 6G wireless communication networks edited by Agbotiname Lucky Imoize...(et. al.), Stevenage: Institution of Engineering and Technology, 2023. xvii, 514p. Includes index(p.497-514) ISBN: 9781839536632 Subject Terms: Data privacy; Telecommunication security; Mobile radio systems; Physical layer security; Cloud computing 621.391 -SEC 179599; CL Click here for more details.
Automotive Research and Tribology		
9		Theory of ground vehicles by J. Y. Wong, 5th ed., Hoboken: Wiley, 2022. xli, 560p. Includes references and index(p.553-560) ISBN: 9781119719700 Subject Terms: Control Systems Technology; Solid Mechanics; Automotive Engineering; Motor vehicles--Design and construction; Motor vehicles--Dynamics 629.3 WON-T 179580; CL Click here for more details.

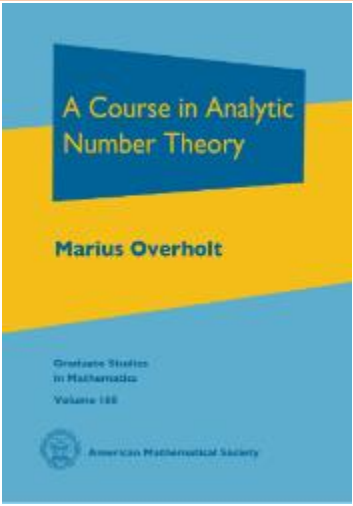
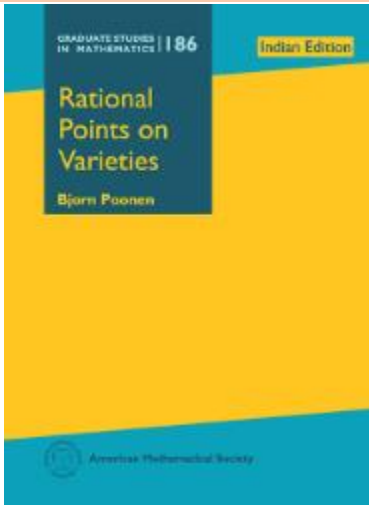
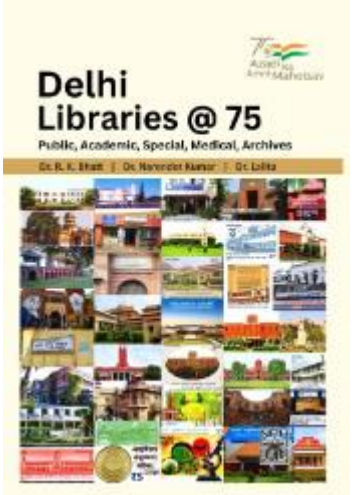
10		Connected vehicular systems: communication, control, and optimization by Ge Guo and Shixi Wen, New Jersey: Wiley, 2023. xiii, 314p. Includes references and index(p.309-314) ISBN: 9781394205462 Subject Terms: Control Systems Technology; Automotive Engineering; Mechanical Engineering; Automated vehicles; Intelligent transportation systems 629:004.738 GUO-C 179579; CL Click here for more details.
11		Control in bioprocessing: modeling, estimation and the use of soft sensors by Pablo Antonio Lopez Perez, Ricardo Aguilar Lopez and Ricardo Femat, Hoboken: Wiley, 2020. xii, 281p. Includes references and index (p. 277-281) ISBN: 9781119295990 Subject Terms: Biochemical engineering; Process control; Bioprocessing; Bioprocesses-monitoring 602.4 LOP-C 179537; CL Click here for more details.
12		Rehabilitation engineering: principles and practice edited by Alex Mihailidis and Roger Smith, Boca Raton: CRC Press, 2023. xiii, 671p., - Rehabilitation science in practice series. Includes bibliography & Index (p. 657-671) ISBN: 9781138198265 Subject Terms: Rehabilitation-instrumentation; Biomedical engineering-methods; Self-Help devices; Rehabilitation technology; Neural engineering 616-001.1-7 -REH 179559; CL Click here for more details.
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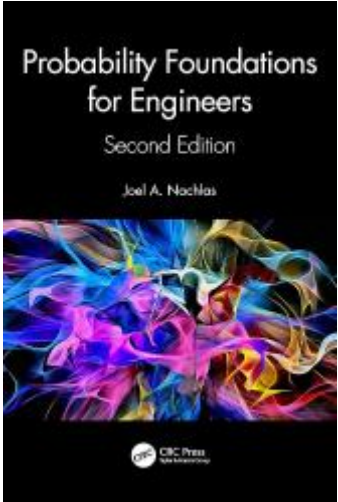
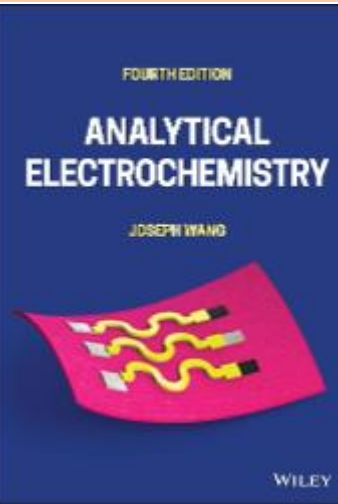
13		Deep reinforcement learning hands-on: apply modern RL methods to practical problems of chatbots, robotics, discrete optimization, web automation, and more by Maxim Lapan, 2nd ed., Birmingham: Packt Publishing, 2020. xix, 798 p. Includes index (p. 789-798) ISBN: 9781838826994 Subject Terms: Web navigation; Open AI; Robotics; Chatbots; Model based methods 681.3 LAP-D 179601; CL Click here for more details.
14		Python machine learning: machine learning and deep learning with python, sci-kit-learn, and Tensorflow 2 by Sebastian Raschka and Vahid Mirjalili, 3rd ed., Birmingham: Packt Publishing, 2019. xxi, 741 p. Includes index (p. 725-741) ISBN: 9781789955750 Subject Terms: Neural networks; Ensemble learning; Reinforcement learning; Machine learning algorithm; TensorFlow 681.3P RAS-P 179602; CL Click here for more details.
15		Elements of chemical reaction engineering by H.Scott Fogler, 6th ed., London: Pearson, 2022. 1078 p. Includes index (p.1063-1076) ISBN: 9781292416663 Subject Terms: Chemical reactors; Conversion and reactor sizing; Multiple reactions; Catalysis and catalytic reactors 66.023 FOG-E 179507-179509; BB76715-BB76719; TB;BB Click here for more details.

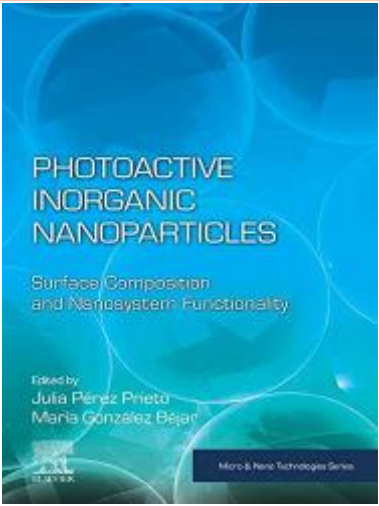
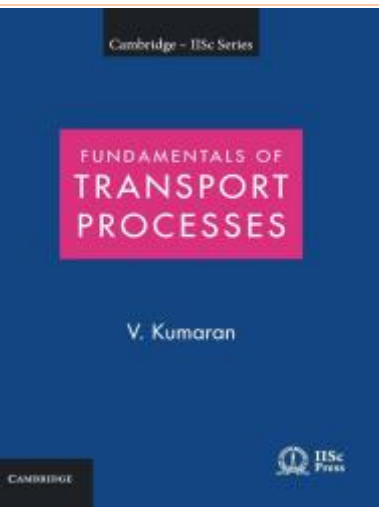
16		Disaster planning for special libraries by Guy Robertson, Cambridge: Chandos Publishing, 2021. xxi, 300 p., - Chandos information professional series. Includes index (p. 291-300) ISBN: 9780081009482 Subject Terms: Emergency management; Libraries - Security measures; Library buildings - Safety measures; Emergency and disaster response 026:614.8 ROB-D 179531; CL Click here for more details.
17		Qualitative landscape of information literacy research: perspectives, methods, and techniques by Annemaree Lloyd, London: Facet Publishing, 2021. ix, 152p. Includes references and index (p. 127-152) ISBN: 9781783304059 Subject Terms: Information literacy research; Information science-research methodology; Library science-research methodology; Qualitative research 001.102/.891 LLO-Q 179532; CL Click here for more details.
18		Academic library maker spaces: a practical guide to planning, collaborating, and supporting campus innovation by Katy B. Mathuews and Daniel J. Harpaer, California: Libraries Unlimited, 2020. x, 168 p. Includes index (p. 165-168) ISBN: 9781440872068 Subject Terms: Academic libraries-Space utilization; Academic libraries-Planning; Maker movement in education; Organization of making and maker spaces; Programming and curriculum for maker space 022.5 MAT-A 179574; CL Click here for more details.

19		Art of communication: a librarian's guide for successful leadership, collaboration, and advocacy by Hilda K. Weisburg, Santa Barbara: Libraries Unlimited (Bloomsbury Publishing), 2022. xiv, 205 p. Includes index (p.197-205) ISBN: 9781440878954 Subject Terms: Communication in library science; Communication in library administration; Language arts and disciplines; Business and economics; Library and information science - Administration and management 02:005.57 WEI-A 179575; CL Click here for more details.
20		Oxford handbook of philosophy of science edited by Paul Humphreys, New York: Oxford University Press, 2019. xxii, 917 p. Includes index (p. 909-817) ISBN: 9780190939397 Subject Terms: Arts and humanities - Handbooks, manuals, etc.; Philosophy of biology - Handbooks, manuals, etc.; Science and mathematics - Handbooks, manuals, etc.; History of science and technology - Handbooks, manuals, etc.; Cognitive sciences - Handbooks, manuals, etc. RL-HB 5:1(021) -OXF 179592; CL Click here for more details.
21		Pioneers in librarianship: sixty notable leaders who shaped the field by Christian A. Nappo, Maryland: Rowman and Littlefield, 2022. xii, 391p. Includes index (p. 381-390) ISBN: 9781538196212 Subject Terms: Biographies; Careers of librarians; Classification; Librarianship; History of librarianship 02:316.46 NAP-P 179593; CL Click here for more details.

22		Course in analytic number theory by Marius Overholt, Delhi: American Mathematical Society, 2017. x, 371p., - Graduate studies in mathematics. Includes bibliography and index (p. 341-363) ISBN: 9781470437305 Subject Terms: Arithmetic functions; Characters and Euler products; Singular series; Prime number theorem; Explicit formulas 511.3 OVE-C 179595; CL Click here for more details.
23		Rational points on varieties by Bjorn Poonen, Rhode Island: American Mathematical Society, 2019. xv, 337 p., - Graduate studies in mathematics. Includes bibliography and index (p. 311-337) ISBN: 9781470454753 Subject Terms: Algebraic geometry; Number theory; Diophantine geometry; Arithmetic problems; Geometry 511.2 POO-R 179596; CL Click here for more details.
24		Delhi libraries @75: public, academic, special, medical, archives by Narender Kumar, R.K Bhatt and Lalita, New Delhi: Narender Publishing House, 2024. xi, 207p. includes references and bibliography(p.196- 207) ISBN: 9789356519473 Subject Terms: School libraries; College library; University libraries; Public libraries; Government libraries 027(540.23) NAR-D 179608; CL Click here for more details. Back to Content

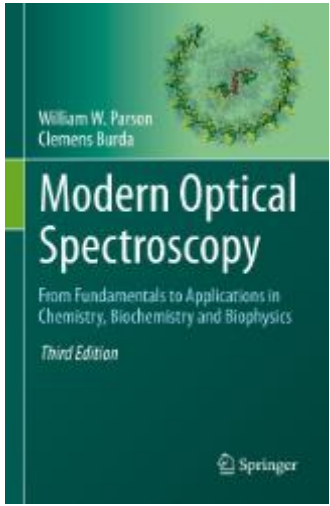
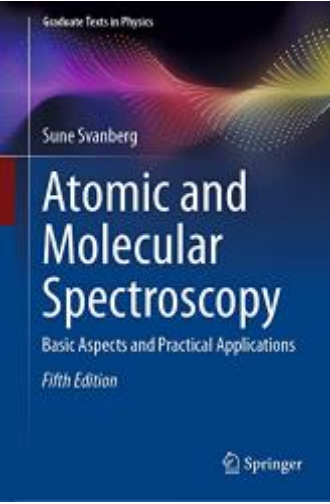
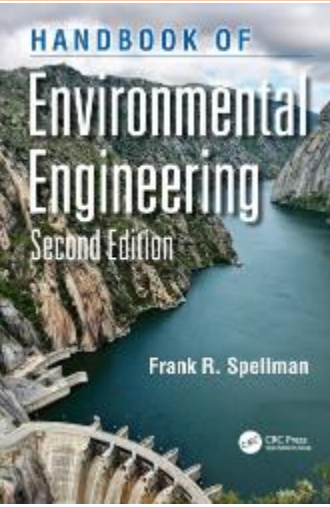
Chemical Engineering

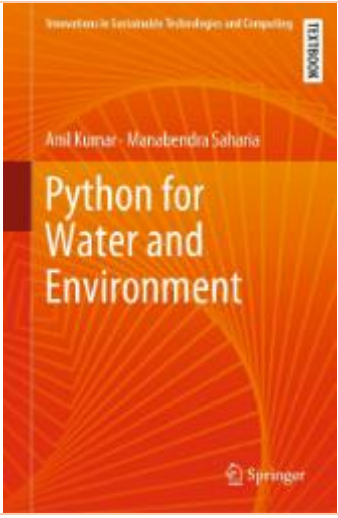
25		Probability foundations for engineers by Joel A. Nachlas, 2nd ed., Oxon: CRC Press, 2023. xiii, 171 p. Includes index (p. 169-171) ISBN: 9781032278483 Subject Terms: Industrial engineering and manufacturing; Operations research; Production and operations management; Engineering - Statistical methods; Probability mass functions 519.2 NAC-P 179563; CL Click here for more details.
26		Analytical electrochemistry by Joseph Wang, 4th. Hoboken: Wiley, 2023. xiii, 220 p. Includes index (p. 213-220) ISBN: 9781119787693 Subject Terms: Potentiometry; Voltametry; Wearable electrochemical platforms; Electrode materials; Tools of electroanalytical chemistry 542.87 WAN-A 179562; CL Click here for more details.
27		Mechanics - microstructure - corrosion coupling: concepts, experiments, modeling and cases edited by Christine Blanc and Isabelle Aubert, London: Elsevier, 2019. xx, 551p. Includes references and index (p. 541-551) ISBN: 9781785483097 Subject Terms: Strength of materials; Mechanics; Strains and stresses; Corrosion and anti-corrosives 531/534 -MEC 179543; CL Click here for more details.

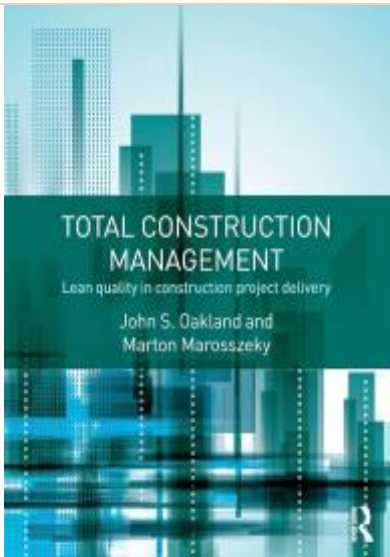
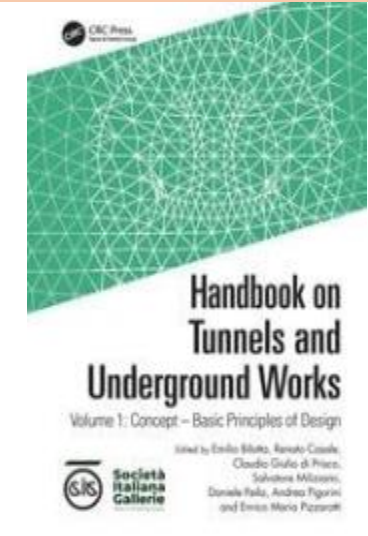
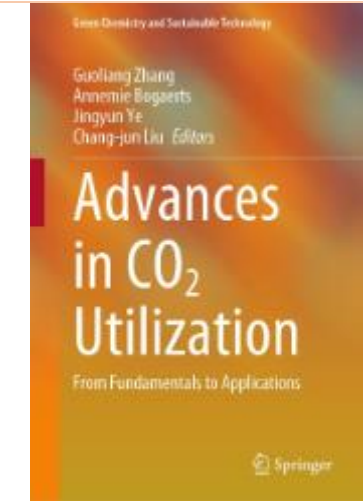
28		Photoactive inorganic nanoparticles: surface composition and nanosystem functionality edited by Julia Perez Prieto and Maria Gonzalez Bejar, Amsterdam: Elsevier, 2019. xv, 268 p. Includes references and index (p. 248-268) ISBN: 9780128145319 Subject Terms: Nanostructured materials; Inorganic nanoparticles; Surface chemistry; Photocatalysis 544.7 -PHO 179544; CL Click here for more details.
29		Fundamentals of transport processes by V. Kumaran, Cambridge: Cambridge University Press, 2022. xiv, 499 p., - Cambridge IISc series. Includes bibliography (p. 491- 500) ISBN: 9781009005333 Subject Terms: Chemical engineering; Electronic; Optoelectronic devices; Nanotechnology 544.62 KUM-F 179552; CL Click here for more details.
30		Model-based machine learning by John Michael Winn...(et al.), Boca Raton, FL: CRC Press, 2024. xvii, 450p. Includes bibliography and index(p.437-450) ISBN: 9781498756815 Subject Terms: Machine Learning; Machine learning--Case studies; Machine learning--Mathematical models; Statistical Computing Books; Machine Learning and Pattern Recognition Books 681.3 -MOD 179564; CL Click here for more details.

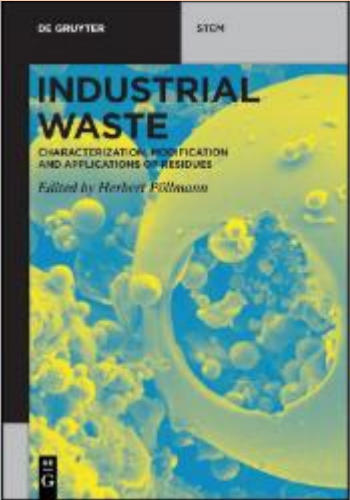
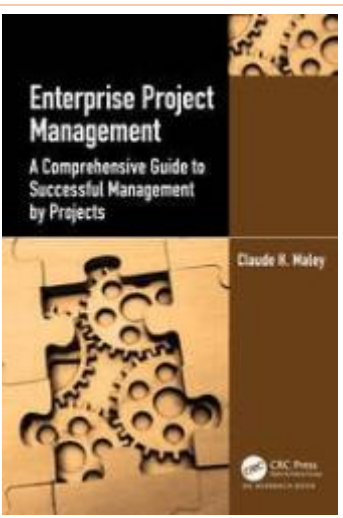
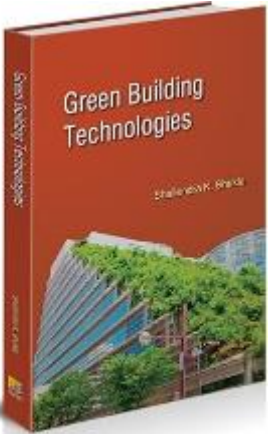
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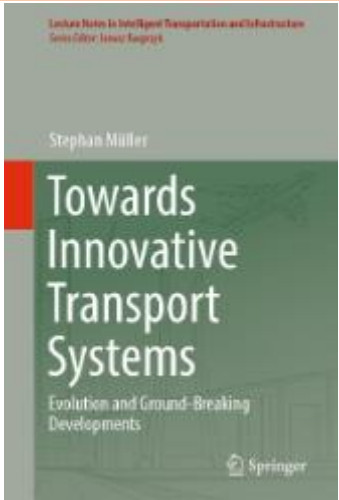
Chemistry

31		Modern optical spectroscopy: from fundamentals to applications in chemistry, biochemistry, and biophysics by William W. Parson and Clemens Burda, 3rd ed., Switzerland: Springer, 2023. xii, 650 p. Includes references bibliography and index (p.637-650) ISBN: 9783031172243 Subject Terms: Fluorescence; Raman scattering; Photoexcitation; Laser spectroscopy; Crystal symmetry 543.42 PAR-M 179610; CL Click here for more details.
32		Atomic and molecular spectroscopy: basic aspects and practical applications by Sune Svanberg, 5th ed., Switzerland: Springer, 2022. xx, 686p., - Graduate texts in physics. Includes index (p. 561-686) ISBN: 9783031047787 Subject Terms: Quantum mechanics; Resonance radiation; Multispectral imaging; Laser spectroscopy; Optical and plasma 539.2 SVA-A 179609; CL Click here for more details.
33		Handbook of environmental engineering by Frank R. Spellman, 2nd ed., Boca Raton: CRC Press, 2023. xxxiii, 854 p. Includes index (p. 831-854) ISBN: 9781032288079 Subject Terms: Environmental management; Pollution prevention; Clean energy; Green engineering RL-HB 628.5(021) SPE-H 179510; CL Click here for more details.

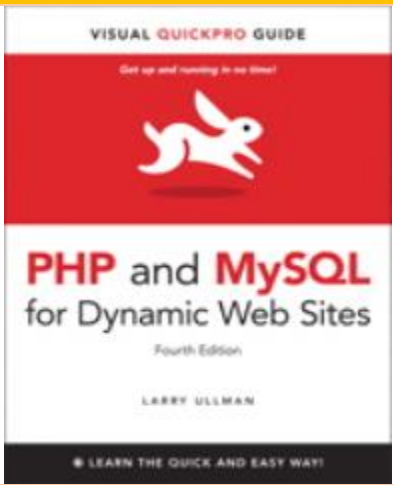
34		Real-time environmental monitoring: sensors and systems - textbook by Miguel F. Acevedo, 2nd ed., Boca Raton: CRC Press, 2024. xix, 403 p. Includes references and index (p. 393-403) ISBN: 9781032545714 Subject Terms: Earth sciences; Atmospheric monitoring; Environmental health; Environmental management 502.1:004 ACE-R 179516; CL Click here for more details.
35		Python for water and environment by Anil Kumar and Manabendra Saharia, Singapore: Springer, 2024. xix, 288 p., - Innovations in sustainable technologies and computing. ISBN: 9789819994076 Subject Terms: Hydrology computer simulation; Python - Computer program language; Python essentials; Surface and groundwater hydrology 556.18:004.43P ANI-P 179505; CL Click here for more details.
36		Tunnel design methods by Antonio Bobet and Herbert H. Einstein, Boca Raton: CRC Press, 2023. xiii, 611 p. Includes references and index (p. 559-611) ISBN: 9781032358444 Subject Terms: Geology - Earth sciences; Foundations and piling; Tunnelling and underground engineering; Risk-science and technology 624.19 BOB-T 179517; CL Click here for more details.

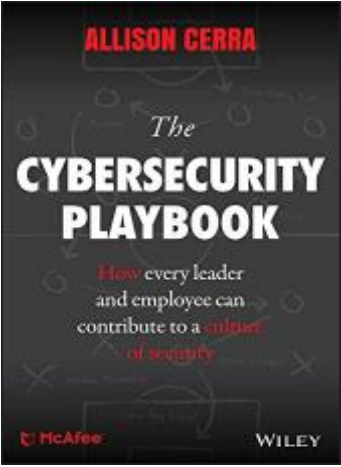
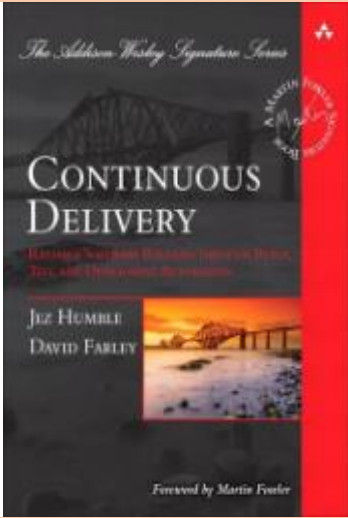
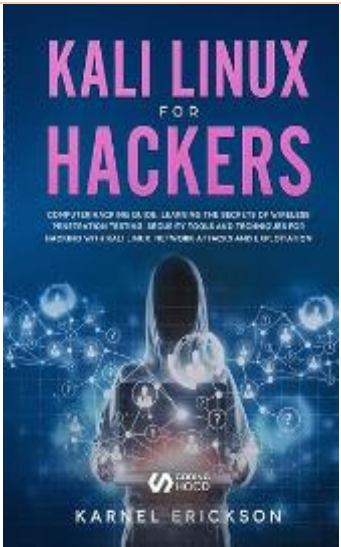
37		Total construction management: lean quality in construction project delivery by John S. Oakland and Marton Marosszeky, Oxon: CRC Press, 2017. xxiv, 610 p. Includes index (p. 602-610) ISBN: 9781138908543 Subject Terms: Construction management; Building project management; Quality management; Engineering management
		69:658.56 OAK-T
		179518; CL
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38		Handbook on tunnels and underground works: concept - basic principles of design edited by Emilio Bilotta...(et al.), Leiden: CRC Press, 2024. xxiv, 390 p. Includes index (p. 385-390) ISBN: 9781032187747 Subject Terms: Underground construction; Environmental aspects; Mining engineering; Geomechanics
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39		Advances in CO2 utilization: from fundamentals to applications edited by Guoliang Zhang...(et al.), Singapore: Springer, 2024. xii, 307 p., - Green chemistry and sustainable technology. ISBN: 9789819988211 Subject Terms: Catalysis; Renewable energy sources; Hydrogenation; Electro-catalytic conversion
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40		Industrial waste: characterization, modification, and applications of residues edited by Herbert Pollmann, Berlin: De Gruyter, 2021. xii, 592 p., - De Gruyter Stem. Includes index (p. 581-592) ISBN: 9783110674866 Subject Terms: Chemical and process engineering; Environmental chemistry; Industrial chemistry; Materials sciences 628.5 -IND 179553; CL Click here for more details.
41		Enterprise project management: a comprehensive guide to successful management by projects by Claude H. Maley, Boca Raton: CRC Press, 2024. xi, 245 p. Includes index (p.243-245) ISBN: 9781032455822 Subject Terms: Business, management, and marketing; Economics, finance, business, and industry; Benefits realization management; Stakeholder management and engagement; Transformational strategies 658.5 MAL-E 179558; CL Click here for more details.
42		Green building technologies by Shailendra K. Shukla, New Delhi: Ane Books, 2023. xvi, 218 p. ISBN: 9788119160372 Subject Terms: Green roofing; Building integrated greenery system; Environmental livability; Radiant heating and cooling; Energy efficiency 691:502.12 SHU-G 179594; CL Click here for more details.
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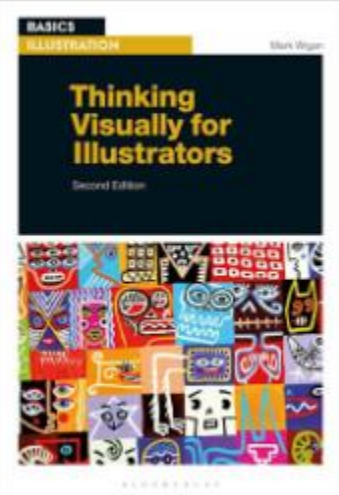
43		Towards innovative transport systems: evolution and ground-breaking developments by Stephan Müller, Switzerland: Springer, 2023. xxiii, 215p., - Lecture notes in intelligent transportation and infrastructure. ISBN: 9783031085710 Subject Terms: Automated transport systems; Future transportation; Transport-innovation policy; Transportation planning; Multi-level perspective 625 MUL-T 179600; CL Click here for more details.
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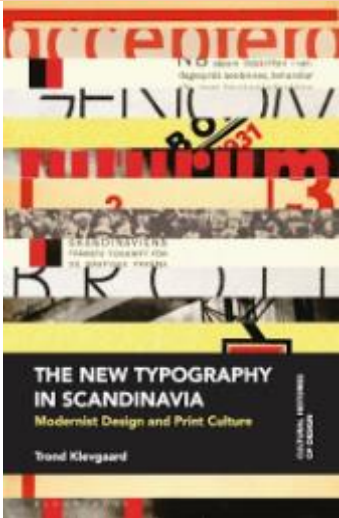
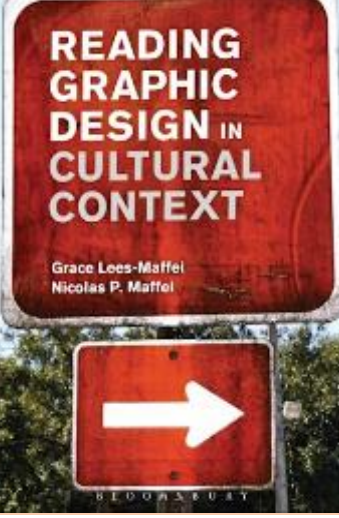
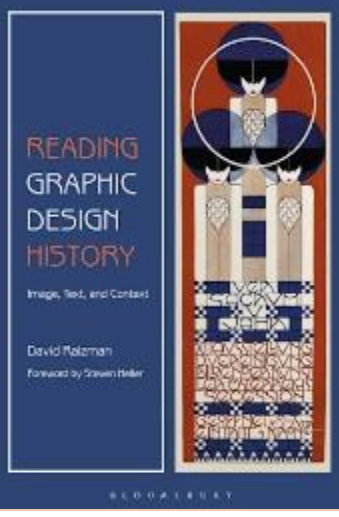
Computer Service Centre

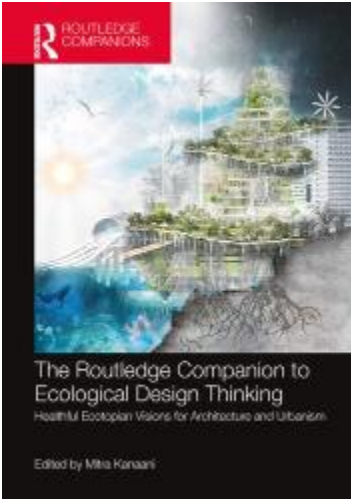
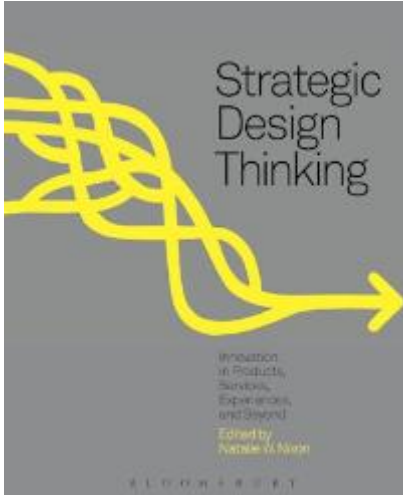
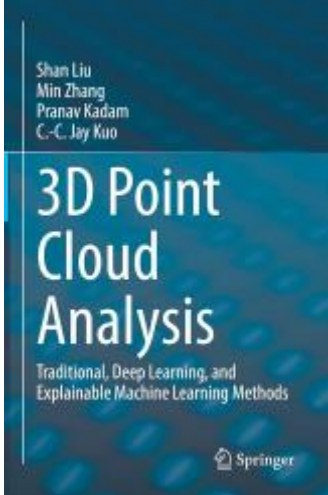
44		PHP and MySQL for dynamic websites by Ullman Larry, 4th ed., Hoboken: Peachpit Press, 2011. xviii, 677p., - Visual quickpro guide. Includes index (p. 661-677) ISBN: 9780321784070 Subject Terms: MySQL - Electronic resource; PHP - Computer program language; Website development; Database design; Dynamic web sites 681.3 ULL-P 179606; CL Click here for more details.
45		Learning web design: a beginner's guide to HTML, CSS, JavaScript, and WEB graphics by Jennifer Niederst Robbins, 5th ed., Sebastopol: O'Reilly, 2018. xvii, 790 p. Includes Index (p. 767-790) ISBN: 9789352137381 Subject Terms: Web personalization; Web databases-design; Website development industry; Web portals-design 681.3 ROB-L 179542; CL Click here for more details.

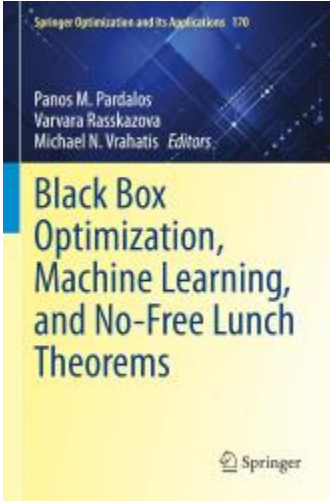
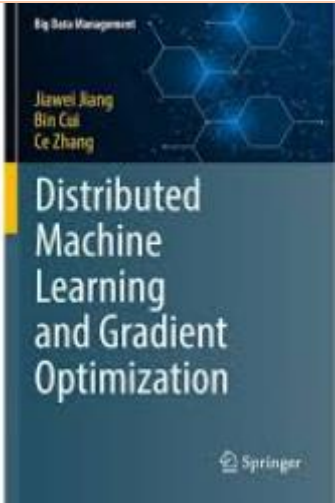
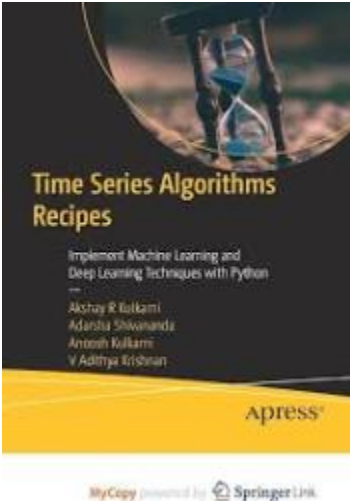
46		Cybersecurity playbook: how every leader and employee can contribute to a culture of security by Allison Cerra, Hoboken: Wiley, 2019. ix, 212 p. Includes index (p. 205-212) ISBN: 9781119442196 Subject Terms: Confidential business information, security measures; Computer security; Organizational culture; Corporate culture 681.3 CER-C 179541; CL Click here for more details.
47		Continuous delivery: reliable software releases through build, test, and deployment automation by Jez Humble and David Farley, Boston: Addison-Wesley, 2010. xx, 463p. Includes bibliography and index (p. 443-463) ISBN: 9780321601919 Subject Terms: Configuration management; Advanced version control; Continuous integration; Implementing a testing strategy; Automated acceptance testing 681.3 HUM-C 179604; CL Click here for more details.
48		Kali Linux for hackers: computer hacking guide. learning the secrets of wireless penetration testing, security tools and techniques for hacking with Kali Linux: network attacks and exploitation by Karnel Erickson, S.I.: No information provided, 2019. 116 p. ISBN: 9781990151002 Subject Terms: Network security; Linux tools; C language; Network protocols; Hacker tools 681.3 ERI-K 179605; CL Click here for more details. Back to Content

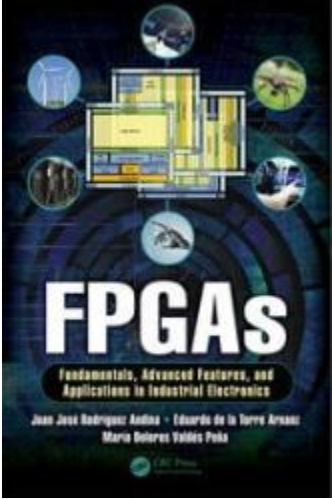
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49		Thinking visually for illustrators by Mark Wigan, 2nd ed., London: Bloomsbury publishing, 2018. 183 p., - Basic illustration. Includes bibliography and indexes (p. 166-180) ISBN: 9781350095793 Subject Terms: Ideas generation; Sketchbooks; A history of illustration; Cross-media and cultural cut-ups; Art and Design 744 WIG-T 179572; CL Click here for more details.
50		Research design: why thinking about design matters by Julianne Cheek and Elise Oby, London.: Sage Publications, 2023. xvii, 316 p. Includes references and index (p. 299-316) ISBN: 9781544350899 Subject Terms: Structural design - Research; Decision making - Research; Research-moral and ethical aspects; Research - Methodology - Study and teaching (Higher) 303.4 CHE-R 179533; CL Click here for more details.
51		Thinking about drawing: an introduction to themes and concepts by Simon Grennan, Great Britain: Bloomsbury Publishing, 2022. xii, 158p. Includes bibliography and index (p. 147-158) ISBN: 9781350265936 Subject Terms: Drawing philosophy; Depiction and visualization; Analogue imitation; Imitating experience; Systematic drawings 74 GRE-T 179561; CL Click here for more details.

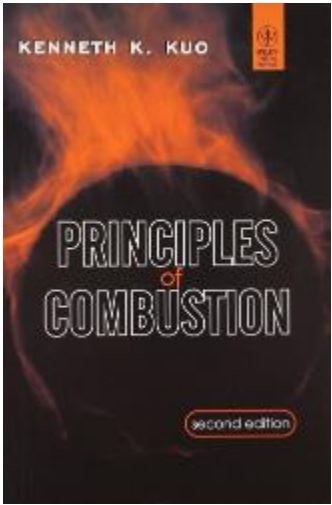
52		New typography in Scandinavia: modernist design and print culture by Trond Klevgaard, London: Bloomsbury publishing, 2024. xiii, 258p., - Cultural history of design. Includes index (p. 250-258) ISBN: 9781350428133 Subject Terms: Graphic arts; Printing social aspects; Graphic arts social aspects; Scandinavia history; History 20th century 655.262(48) KLE-N 179567; CL Click here for more details.
53		Reading graphic design in cultural context by Grace Lees-Maffei and Nicolas P. Maffei, London: Bloomsbury Publishing, 2019. xi, 230p. Includes references index (p. 221-230) ISBN: 9780857858016 Subject Terms: Branding- Semiotics; Logo design; Graphic design; TV advertising; Product design 76:008 LEE-R 179568; CL Click here for more details.
54		Reading graphic design history: image, text, and context by David Raizman, New York: Bloomsbury Publishing, 2020. xxxiv, 251p. Includes bibliography and index(p. 235-251) ISBN: 9781474299411 Subject Terms: Graphic arts - Social aspects; Graphic arts - Political aspects; Graphic arts - History; Reading graphic; Design history 76(09) RAI-R 179569; CL Click here for more details.
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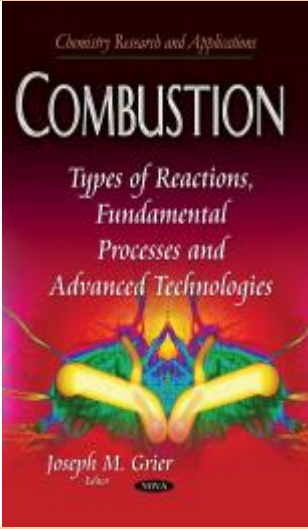
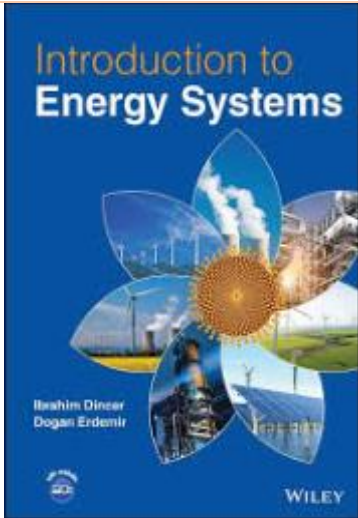
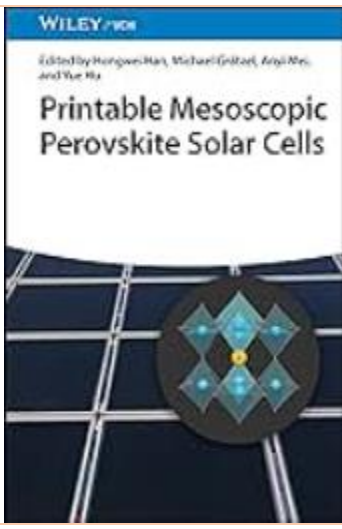
55		Routledge companion to ecological design thinking: healthful ecotopian visions for architecture and urbanism edited by Mitra Kanaani, New York: Routledge, 2023. xxviii, 648p. Includes index(p.636-648) ISBN: 9781032023908 Subject Terms: Architecture - Environmental aspects; City planning - Environmental aspects; Sustainable design; Architectural Design; Urbanism 574:711.4 -ROU 179570; CL Click here for more details.
56		Strategic design thinking: innovation in products, services, experiences, and beyond Edited by Natalie W. Nixon, New York: Bloomsbury Publishing, 2016. xii, 244p. Includes bibliography and index (p. 232-244) ISBN: 9781628924701 Subject Terms: Design general; Creative ability in business; Innovations management; Organizational change; Integrative spaces 334.02:159.955 - STR 179571; CL Click here for more details.
Electrical Engineering		
57		3D point cloud analysis: traditional, deep learning, and explainable machine learning methods by Shan Liu...(et. al.), Cham: Springer, 2021. xiv, 146 p. Includes index (p. 145-146) ISBN: 9783030891794 Subject Terms: 3D object recognition; Computer vision; Machine learning; Pattern perception; Deep learning 681.3 -POI 179582; CL Click here for more details.

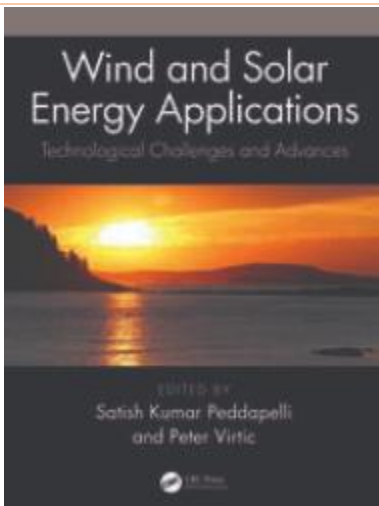
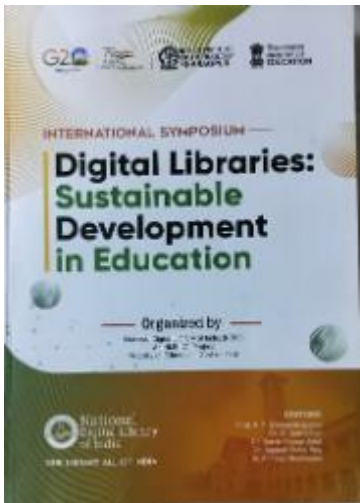
58		Black box optimization, machine learning, and no-free lunch theorems edited by Panos M. Pardalos, Varvara Rasskazova and Michael N. Vrahatis, Switzerland: Springer, 2021. x, 388p., - Springer optimization and its applications. ISBN: 9783030665142 Subject Terms: Stochastic optimization; Tuning algorithms; Fuzzy optimization; Deep learning; Data sciences problems 681.3 -BLA 179583; CL Click here for more details.
59		Distributed machine learning and gradient optimization by Jiawei Jiang, Bin Cui, and Ce Zhang, Singapore: Springer, 2022. xi, 169p., - Big data management. Includes references ISBN: 9789811634192 Subject Terms: Machine learning; Mathematical optimization; Reinforcement learning; Machine learning-technique; Big data 519.863:004.85 JIA-D 179584; CL Click here for more details.
60		Time series algorithms recipes: implement machine learning and deep learning techniques with python by Kulkarni, Akshay R... (et al.), New York: Apress, 2023. x, 174p. Index (p. 169-174) ISBN: 9781484289778 Subject Terms: Statistical univariate modeling; Getting started with time series; Machine learning regression-based forecasting; Deep learning--based time series forecasting; Machine Learning 519.246.8:004.8P -TIM 179585; CL Click here for more details.
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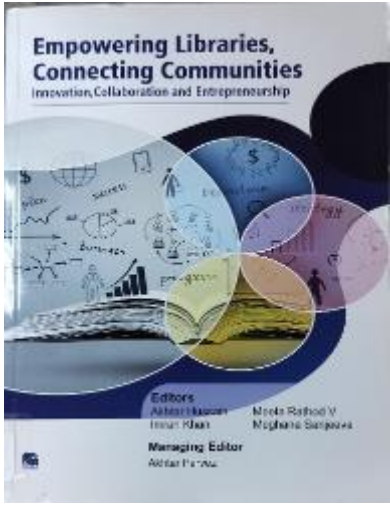
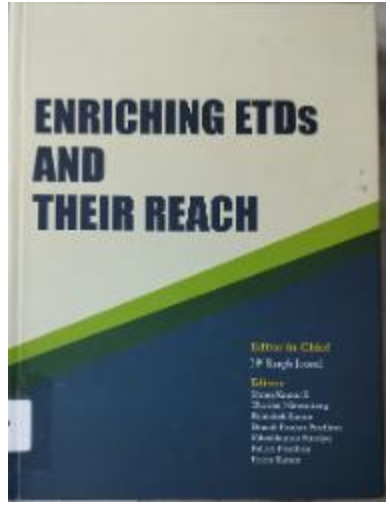
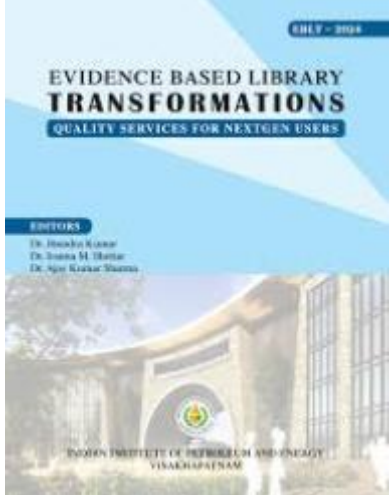
61		FPGAs: fundamentals, advanced features, and applications in industrial electronics by Juan Jose Rodriguez Andina, Eduardo de la Torre Arnanz and Maria Dolores Valdés Peña, Boca Raton: CRC Press, 2017. xvi, 249 p. Includes index (p. 241-249) ISBN: 9781439896990 Subject Terms: Field programmable gate arrays; Technology and engineering; FPGA architectures Industrial Electronics; Industrial electronics; Advanced control techniques 621.38 AND-F 179603; CL Click here for more details.
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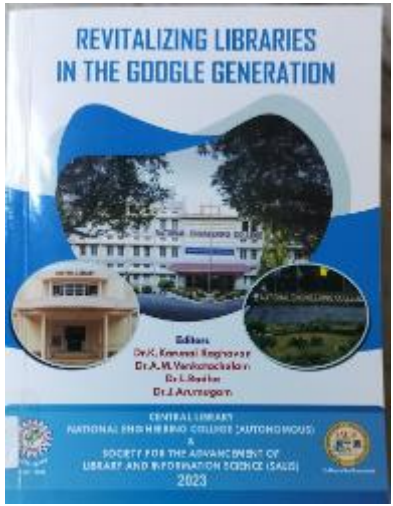
Energy Science and Engineering

62		Principles of combustion by Kenneth K. Kuo, 2nd ed., New Delhi: Wiley, 2016. xxvii, 732 p. Includes author index and subject index (p.713-732) ISBN: 9788126535194 Subject Terms: Combustion engineering; Chemical mechanisms; Power generation; Chemical thermodynamics 662.611 KUO-P 179521; CES Click here for more details.
63		Cleaner combustion: developing detailed chemical kinetic models edited by Frédérique Battin-Leclerc, John M. Simmie and Edward Blurock, London: Springer, 2013. xiii, 658 p., - Green energy and technology. Includes index (p. 653-658) ISBN: 9781447153061 Subject Terms: Air pollution; Energy; Renewable energy sources; Environmental protection 662.61 -CLE 179520; CL Click here for more details.

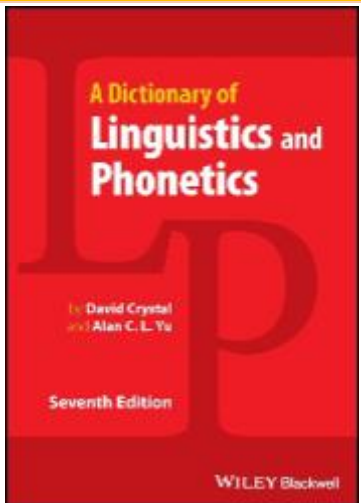
64		Combustion: types of reactions, fundamental processes and advanced technologies edited by Joseph M. Grier, New York: Nova Science Publishers, 2014. xii, 299 p., - Chemistry research and applications. Includes index (p. 289-299) ISBN: 9781629489674 Subject Terms: Oxy-fuel carbon capture technology; Lagrangian formulation; Methane combustion; Chemical vapor deposition 662.61 -COM 179522; CL Click here for more details.
65		Introduction to energy systems by Ibrahim Dincer and Dogan Erdemir, Canada: Wiley, 2023. xvi, 550 p. Includes index (p. 535-550) ISBN: 9781119825760 Subject Terms: Power resources; Electric power systems; Solar energy-passive systems-design and construction; Wind energy conversion systems 502.21 DIN-I 179538; CL Click here for more details.
66		Printable mesoscopic perovskite solar cells edited by Hongwei Han...(et. al.), Weinheim: Wiley, 2023. xv, 284 p. Includes index (p. 277-284) ISBN: 9783527349586 Subject Terms: Solar cells - Design and construction; Mesoscopic phenomena - Physics; Scanning electron microscopy; Energy dispersive X-ray spectroscopy 621.383.51 -PRI 179539; CL Click here for more details.

67		Wind and solar energy applications: technological challenges and advances edited by Satish Kumar Peddapelli and Peter Virtic, Boca Raton: CRC Press, 2023. vii, 365 p. Includes index (p. 363-365). ISBN: 9781032288468 Subject Terms: Wind energy turbines; Wind energy conversion systems; Energy management; Solar energy - Technological innovations 621.548:551.521.37 -WIN 179554; CL Click here for more details.
68		Recent progress in plasma science and technology edited by Louis Murphy, New York City: Murphy & Moore Publishing, 2021. 241p. Includes index (p.240-241) ISBN: 9781639874835 Subject Terms: Biotechnology; Biological Science; Genetics; Microbiology and Immunology - Bioinformatics; Plasma Sciences 533.9 -REC 179560; CL Click here for more details.
Gratis		
69		International symposium on digital libraries: sustainable development in education, proceedings held at IIT Kharagpur, November 20-22, 2023, organized by National Digital Library of India (NDLI) and Central Library, IIT Kharagpur edited by K. P. Sinhamaha, Kharagpur: IIT Kharagpur, 2023. ix, 1125p. Includes references ISBN: 9788192096872 Subject Terms: Digital libraries; Library and information science; Libraries-innovation; Sustainable development-libraries 02:004.738.5 -INT G24027; CL Click here for more details.
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70		Empowering libraries connecting communities: innovation, collaboration and entrepreneurship, October 5-7, 2023, organized by Management Libraries NETWORK (MANLIBNET) edited by Akhtar Hussain...(et al.), New Delhi: Global alliance publisher, 2023. xiii, 825p. Includes references ISBN: 9789392711060 Subject Terms: Library 3.0; Bibliometric analysis; Digital library services; Webometrics 02:316.422 -EMP G24028; CL Click here for more details.
71		Enriching ETDs and their reach: proceedings of 26th international symposium on electronic thesis and dissertations ETD 2023, 26-28 October 2023, organized by Networked Digital Library of Theses and Dissertations (NDLTD) and Information and Library Network, Gujarat: Information and Library Network Centre, 2023. ix, 646 p. Includes references and index (640-646) ISBN: 9789381232125 Subject Terms: Library and Information science; Libraries; Digital libraries; INFLIBNET 02(043.2):004.738.5 -ENR G24029; CL Click here for more details.
72		Evidence-based library transformations: quality service for next-gen users EBLT - 2024, National conference on evidence-based library transformations: quality services for nextgen users EBLT 2024, 24th-25th January 2024, organized by S. R. Ranganathan lib, Delhi: Creative Books, 2024. xviii, 333 p. Includes references ISBN: 9788195409570 Subject Terms: Libraries; Transformation-libraries; Library and information science; Library-Modification 02:316.422 -EVI G24030; CL Click here for more details.

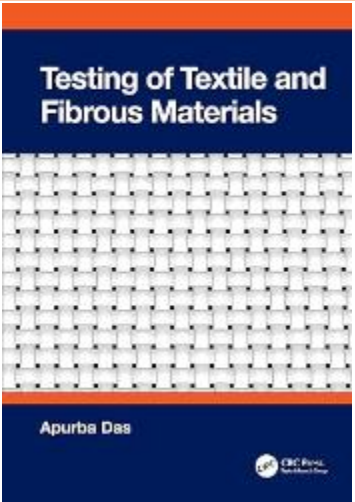
73		Revitalizing libraries in the google generation: edited by K. Karunai Raghavan... (et al) ICSSR sponsored SALIS 2023: National conference on revitalizing libraries in the google generation held at SALIS Chennai, 12-14 October 2024, organized by Central I, Tamil Nadu: Central Library, National engineering college, 2023. x, 534 p. Includes references ISBN: 9789385469091 Subject Terms: Library and information system; Library-innovation; Libraries-Google; MOOC 02:004.738.5 -REV G24031; CL Click here for more details.
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Humanities & Social Sciences

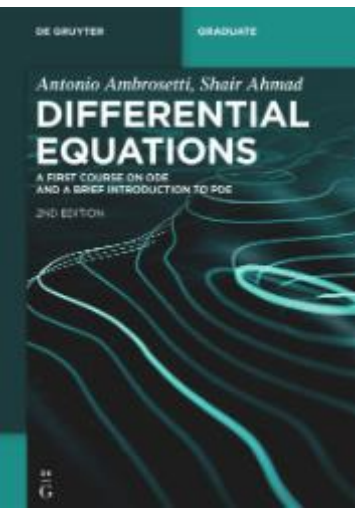
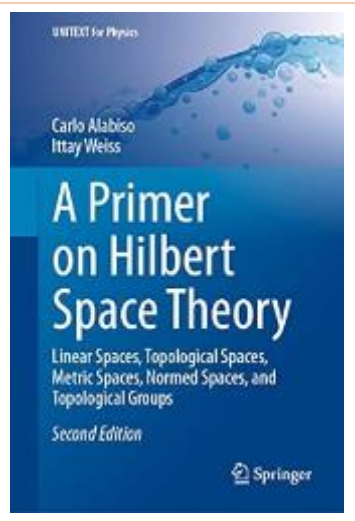
74		Dictionary of linguistics and phonetics edited by David Crystal and Alan C. L. Yu, 7th ed., Hoboken: Wiley, 2024. xxv, 512 p. ISBN: 9781119184539 Subject Terms: Language - Handbooks, manuals, etc.; Language art and disciplines - Handbooks, manuals, etc. RL-DC 81'33/'34(038) -DIC 179535-179536; CL; HSS Click here for more details.
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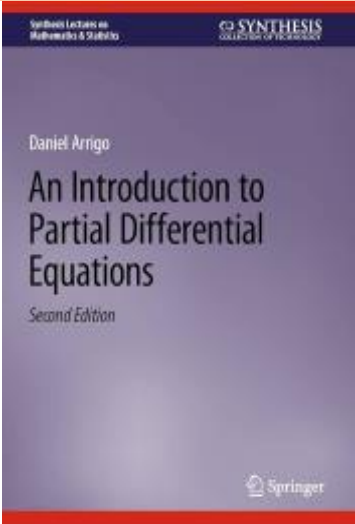
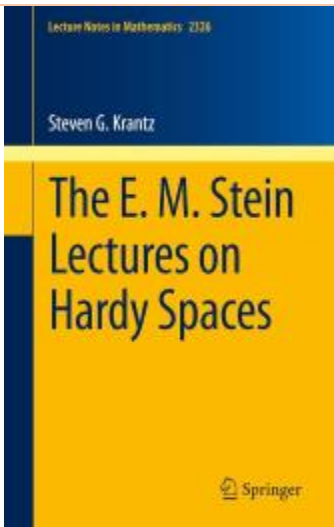
IITD Faculty & Staff Authored Books

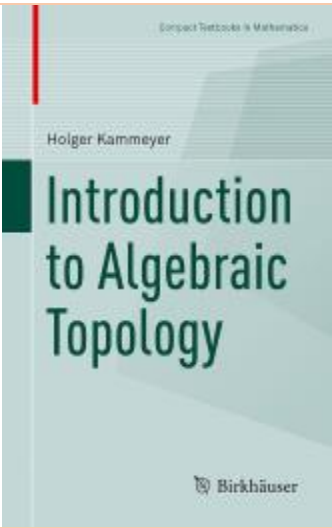
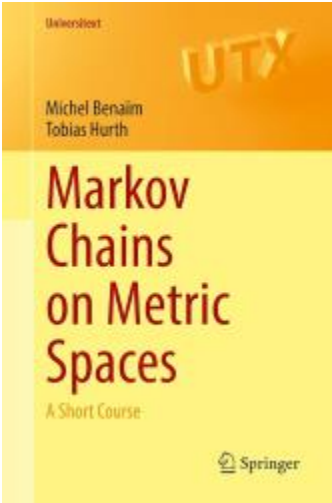
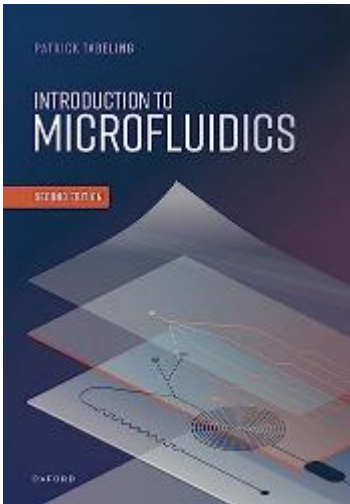
75		Happiness first: the healthy way to academic success by Pradeep R. Bijwe, Chennai: Notion press, 2024. xiv, 223p. Includes references (p. 219-221) ISBN: 9798893639520 Subject Terms: Happiness-psychological aspects; Joy; Academics-happiness; Happiness-students; Happiness-social aspects 159.942:001.32 BIJ-H 179557; CL Click here for more details.

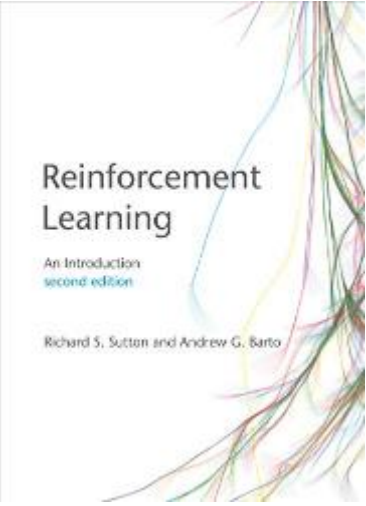
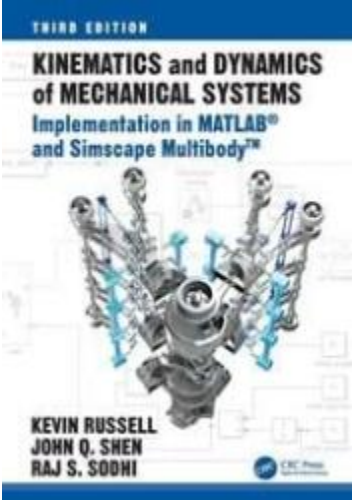
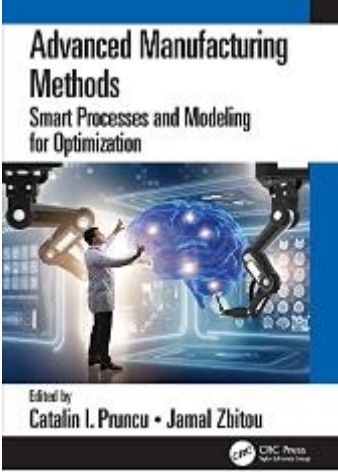
76		Testing of textile and fibrous materials by Apurba Das, Boca Raton: CRC Press, 2024. xiii, 404p. Includes index (p.401-404) ISBN: 9781032555409 Subject Terms: Materials science; Industrial textiles; Textile fabrics - Testing; Textile manufacturing; Industrial engineering and manufacturing 677.1/.5 DAS-T 179573; CL Click here for more details.
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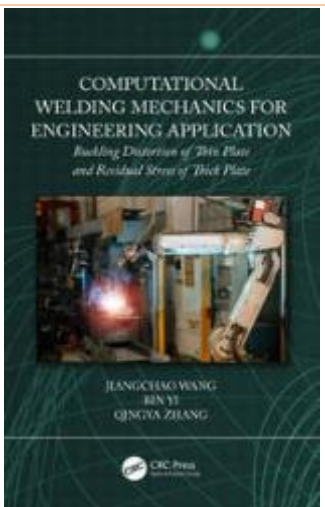
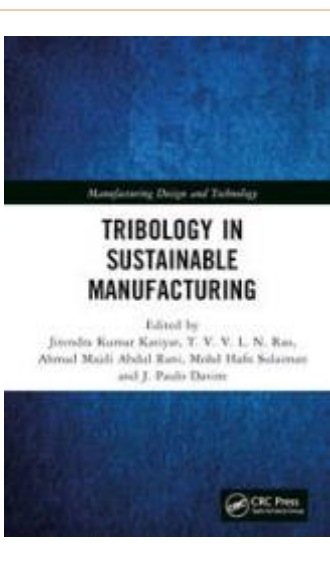
Mathematics

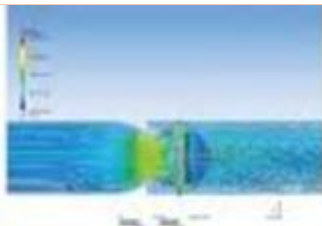
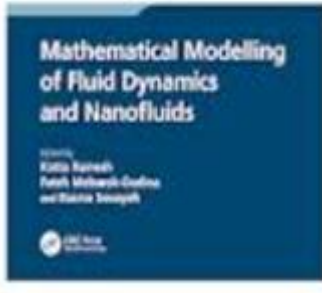
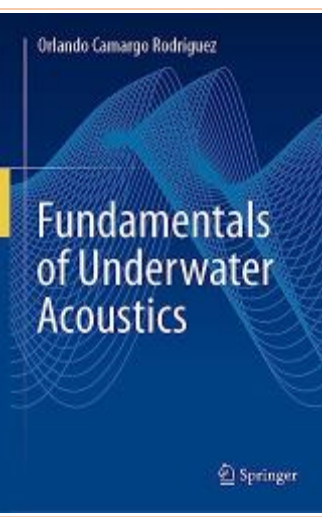
77		Differential equations: a first course on ODE and a brief introduction to PDE by Antonio Ambrosetti and Shair Ahmad, 2nd ed., Berlin: De Gruyter, 2024. vii, 361 p., - De Gruyter Graduate. Includes bibliography and index (p. 357-361) ISBN: 9783111185248 Subject Terms: Laplace-transformation; Lyapunov stability theory; Sturm-Liouville problem; Linear differential equations; Phase plane analysis 517.9 AMB-D 179576; CL Click here for more details.
78		Primer on Hilbert space theory: linear spaces, topological spaces, metric spaces, normed spaces, and topological groups by Carlo Alabiso and Ittay Weiss, 2nd ed., Switzerland: Springer, 2021. xxii, 328p., - UNITEXT for physics. Includes index (p. 323-328) ISBN: 9783030674199 Subject Terms: Linear spaces; Banach fixed-point theorem; Normed spaces; Topological groups; Baire's theorem 517.982.22 ALA-P 179578; CL Click here for more details.

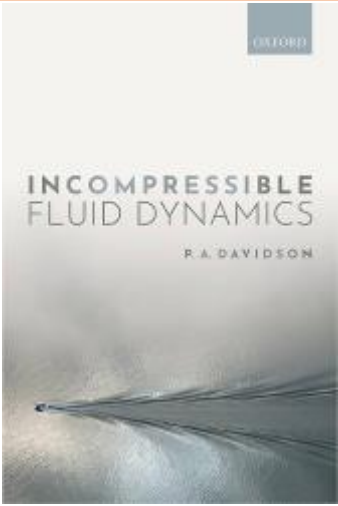
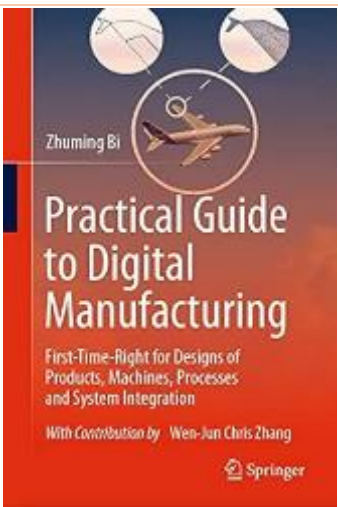
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80		Modern trends in fuzzy graph theory by Madhumangal Pal, Sovan Samanta, and Ganesh Ghorai, Singapore: Springer, 2020. xiii, 307p. Includes references and index (p. 304-311) ISBN: 9789811588020 Subject Terms: Intuitionistic fuzzy graphs; Bipolar fuzzy graphs; Graph theory; Fuzzy planer graphs; Fuzzy threshold graph 510.22:519.17 PAL-M 179577; CL Click here for more details.
81		E. M. Stein lectures on hardy spaces by Steven G. Krantz, Switzerland: Springer, 2023. x, 253p., - Lecture notes in mathematics. includes references and bibliography(p. 245-253) ISBN: 9783031219511 Subject Terms: Singular integrals; Maximal function; Harmonic analysis; Riesz transforms; Generalized Cauchy-Riemann equations 517.55 KRA-E 179612; CL Click here for more details.

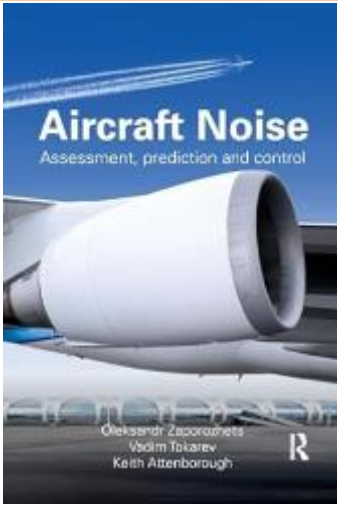
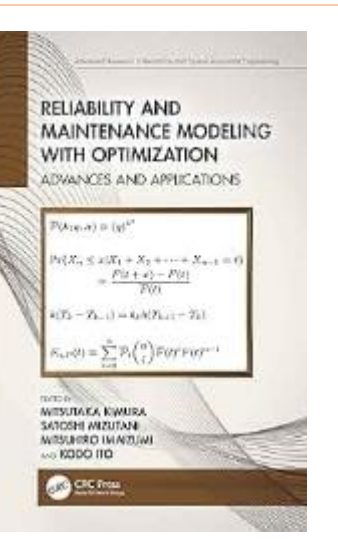
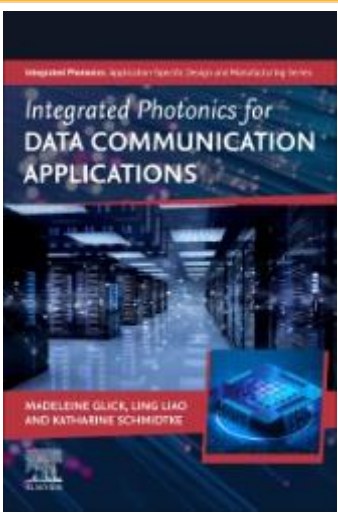
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83		Markov chains on metric spaces: a short course by Michel Benaim and Tobias Hurth, Switzerland: Springer, 2022. xv, 197 p., - Universitext. Includes index (p. 195-197) ISBN: 9783031118210 Subject Terms: Ergodic theory in probability; Petite sets; Harris ergodicity theorem; Random dynamical systems; invariant measure for Markov chains
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84		Introduction to microfluidics by Patrick Tabeling, 2nd ed., New York: Oxford University Press, 2023. xiii, 465 p. Includes references (p. 458-465) ISBN: 9780192845306 Subject Terms: Fluidic devices; Microelectromechanical systems; Microfluidics; Transport technology and trades
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85		Reinforcement learning: an introduction by Richard S. Sutton and Andrew G. Barto, 2nd ed., Cambridge: MIT Press, 2020. xxii, 526 p., - Adaptive computation and machine learning series. Includes reference and index (p. 481-524) ISBN: 9780262039246 Subject Terms: Dynamic programming; Multiarmed problems; Approximate solution methods; Policy gradient methods; Temporal-difference learning 681.3 SUT-R 179611; ME Click here for more details.
86		Kinematics and dynamics of mechanical systems: implementation in MATLAB® and Simscape Multibody™ by Kevin Russell, John Q. Shen, and Raj S. Sodhi, 3rd ed., Boca Raton: CRC Press, 2023. xvii, 526 p. Includes index (p. 519-526) ISBN: 9781032328317 Subject Terms: Machine design; Manufacturing technology; Vibrations and applied dynamics; Dynamic force analysis 531.1/.3:004.43M RUS-K 179549; ME Click here for more details.
87		Advanced manufacturing methods: smart processes and modeling for optimization edited by Catalin I. Pruncu and Jamal Zbitou, Boca Raton: CRC Press, 2023. xiv, 196 p. Includes References and Index (p. 195-196) ISBN: 9780367370893 Subject Terms: Electrical engineering communications; Industrial electronics; Industrial engineering & manufacturing; Production systems & automation 67.02:004 -ADV 179511; CL Click here for more details.

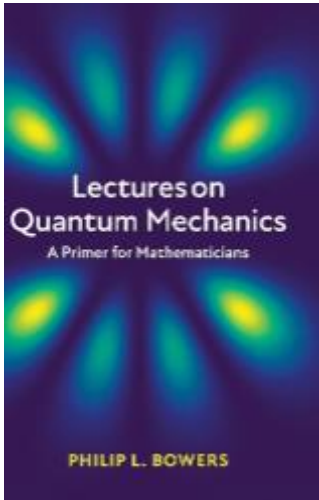
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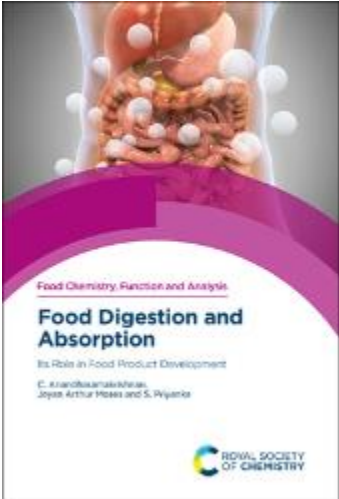
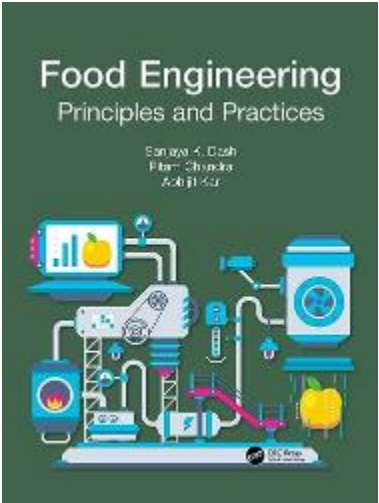
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99		Integrated photonics for data communication applications edited by Madeleine Glick, Ling Liao and Katharine Schmidtke., Amsterdam: Elsevier, 2023. xxv, 495p., - Integrated photonics: application-specific design and manufacturing. Includes references and index (p. 471-495) ISBN: 9780323912242 Subject Terms: Data transmission systems; Integrated circuits; Photonics; Photonic devices 535.14:004.713 -INT 179528; CL Click here for more details.

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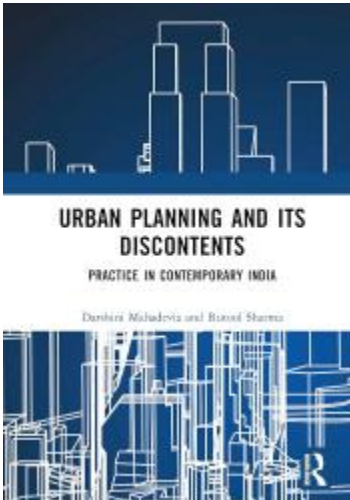
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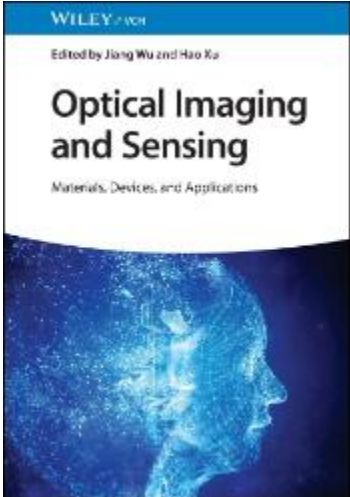
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102		Food engineering: principles and practices by Sanjaya K. Dash, Pitam Chandra, and Abhijit Kar, Boca Raton: CRC Press, 2024. xvii, 531 p. Includes index (p. 525-531) ISBN: 9781032231853 Subject Terms: Food science; Food industry and trade; Food processing; Food science and technology 664 DAS-F 179530; CL Click here for more details.

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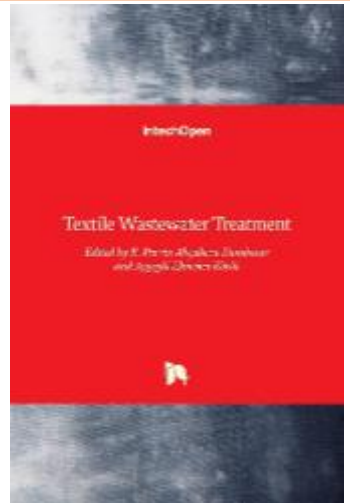
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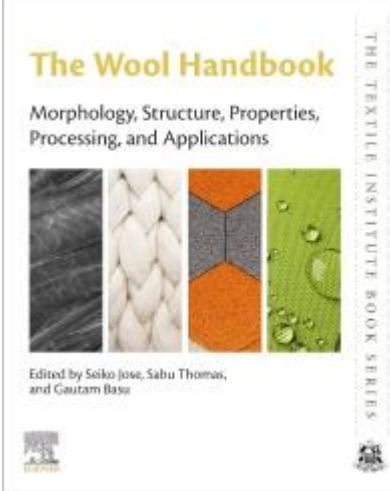
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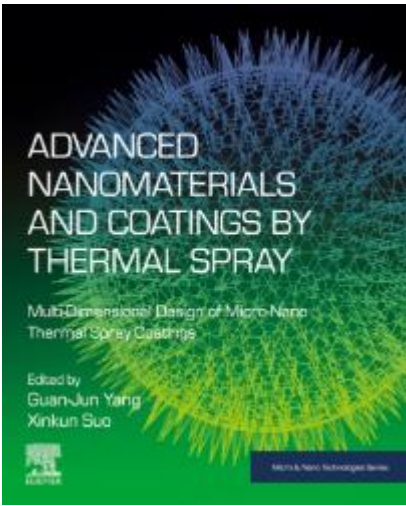
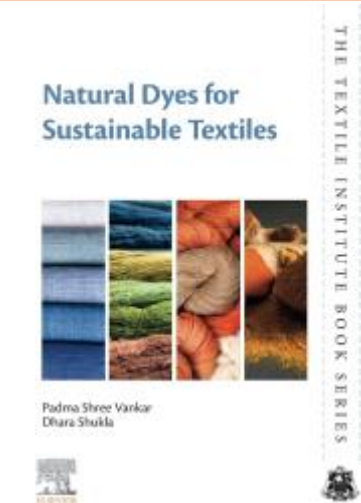
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106		Textile Dyeing edited by Peter J. Hauser, Rijeka: Intech, 2011. vi, 392 p. ISBN: 9789533075655 Subject Terms: Textile fabrics; Textile printing; Textile fibers - Synthetic; Dyes and dyeing - Textile fibers 677.027 -TEX 179527; CL Click here for more details.
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108		Wool handbook: morphology, structure, properties, processing, and applications edited by Seiko Jose, Sabu Thomas, and Gautam Basu, Cambridge: Elsevier, 2024. RL HB 677.31(021) -WOO, - Textile institute book series. Includes index (p.611-636) ISBN: 9780323995986 Subject Terms: Materials science; Wool fiber technology; Wool production; Wool dyeing RL-HB 677.31(021) -WOO 179546; TT Click here for more details.
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109		Advanced nanomaterials and coatings by thermal spray: multi-dimensional design of micro-nano thermal spray coatings edited by Guan-Jun Yang and Xinkun Suo, Cambridge: Elsevier, 2019. x, 317 p. Includes index (p.313-317) ISBN: 9780128138700 Subject Terms: Coatings - Thermal properties; Thermal spray techniques; Nanostructured materials; Fabricating nanopowders; Micro nanomaterials 621.793.7 -ADV 179581; CL Click here for more details.
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