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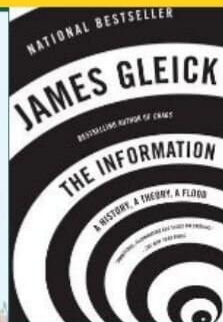
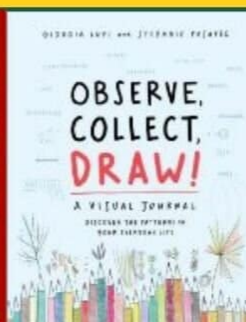
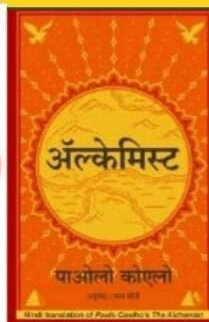
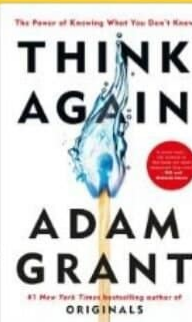
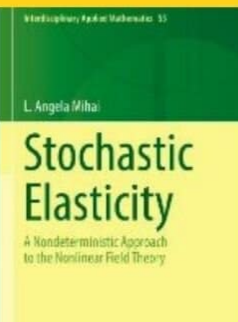
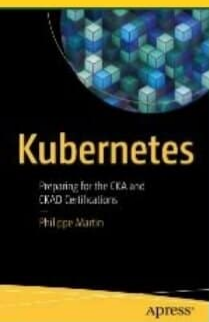
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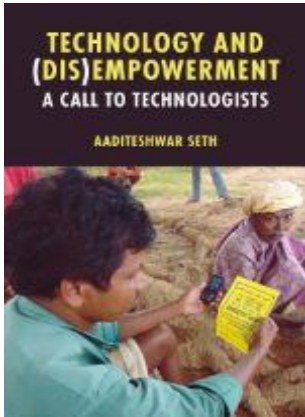
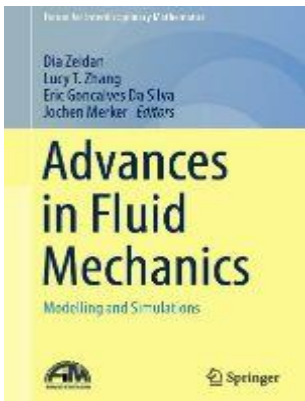
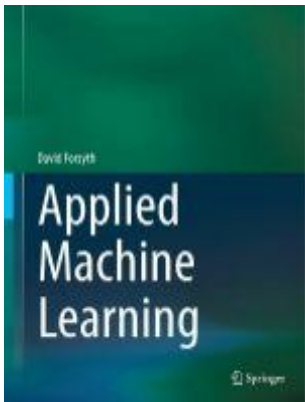
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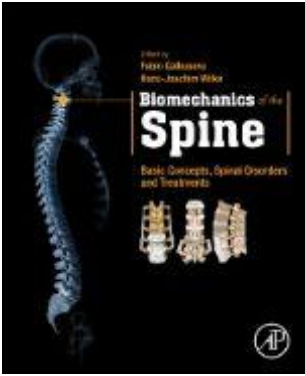
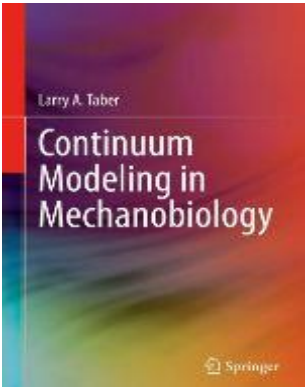
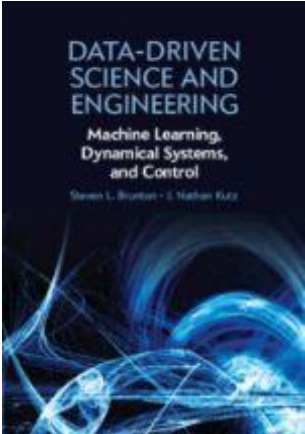
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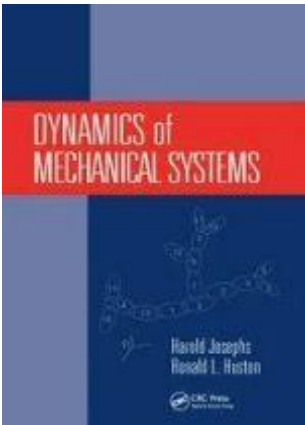
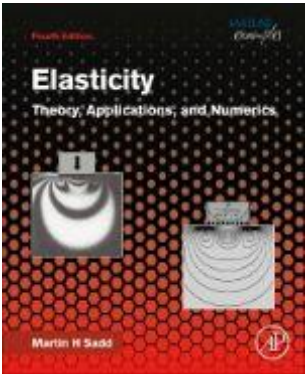
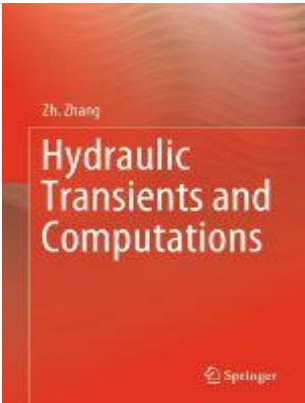


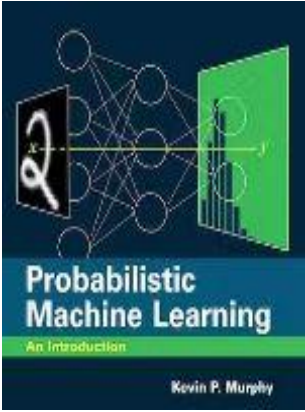
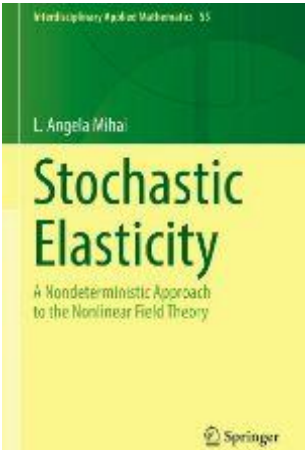
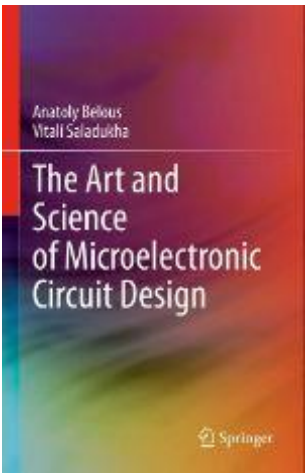
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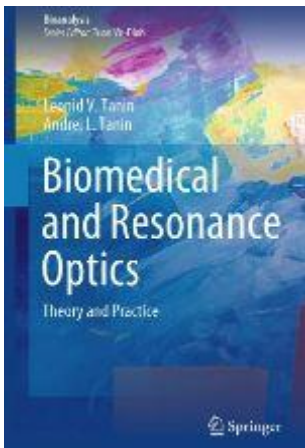
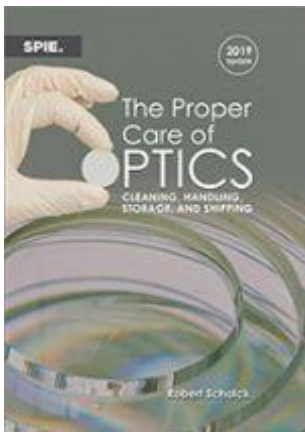
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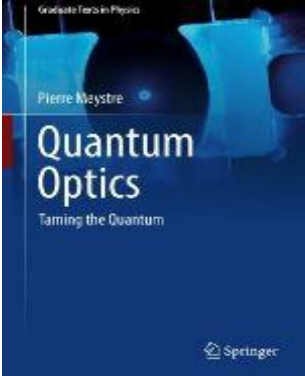
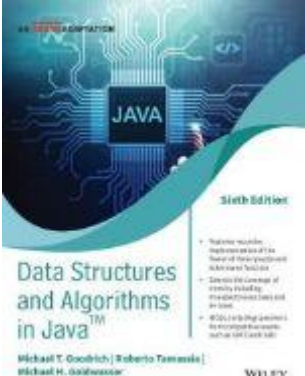
Sr. No.		Amar Nath and Shashi Khosla School of Information and Technology	
1		Technology and (dis)empowerment a call to technologists by Aaditeshwar SethBingley: Emerald Publishing, 2022. Includes bibliography and index (p. 193-224) ISBN: 9781803823942 Subject Terms: Digital empowerment Contemporary problems Social good Ethics Design limits Equality Ideologies Societal participation 681.3:005.583 SET-T 177396-177397; CL; SIT Click for more details.	
Sr. No.		Applied Mechanics	
1		Advances in fluid mechanics modelling and simulations edited by Dia Zeidan... (et al.)Singapore: Springer, 2022. - Forum for interdisciplinary mathematics. ISBN: 9789811914379 Subject Terms: Computational fluid dynamics Mathematical modelling Numerical simulations Multiphase flow Industrial mathematics 532.5 -ADV 177545; CL Click for more details.	
2		Applied machine learning by David ForsythCham: Springer, 2019. Includes index (p. 479-494) ISBN: 9783030181161 Subject Terms: Random forests Naive bayes Markov chains Sequence models Clustering Correlation Regression 681.3 FOR-A 177475; AM Click for more details.	

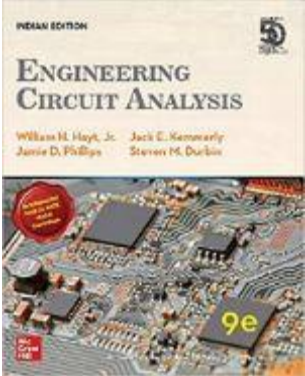
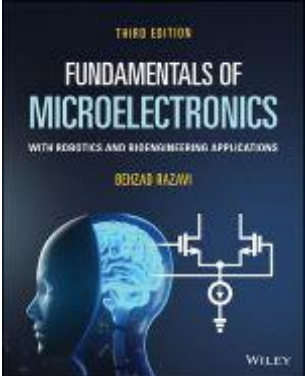
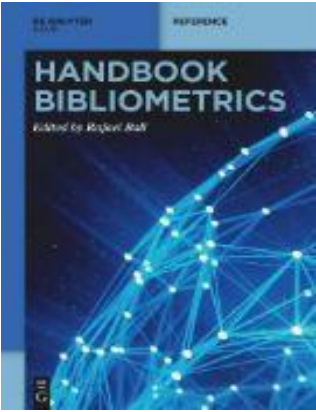
3		Biomechanics of the spine basic concepts, spinal disorders and treatments edited by Fabio Galbusera and Hans-Joachim Wilke London: Elsevier, 2018. Includes index (p. 427-434) ISBN: 9780128128510 Subject Terms: Human spine Cervical spine Vertebral bone Spinal muscles Musculoskeletal modeling Scoliosis 611.711 -BIO 177412; CL Click for more details.
4		Continuum modeling in mechanobiology by Larry A. Taber Cham: Springer, 2020. Includes bibliography and index (p.527-535) ISBN: 9783030442958 Subject Terms: Biomedical engineering Mechanical engineering Tissue engineering Tensor analysis Contraction Morphogenesis 576/577 TAB-C 177537; CL Click for more details.
5		Data-driven science and engineering machine learning, dynamical systems and control by Steven L. Brunton and J. Nathan Kutz, 2nd ed., Cambridge: Cambridge university press, 2022. Includes bibliography and index (p.552-590) ISBN: 9781009098489 Subject Terms: Singular value decomposition Reinforcement learning Linear control theory Deep learning Neural networks Wavelet transforms 62:681.3 BRU-D 177473; CL Click for more details.
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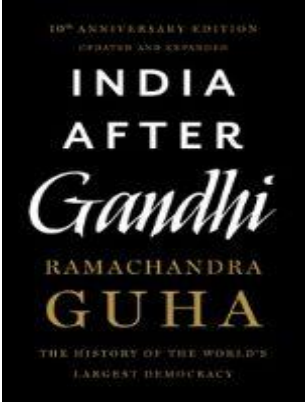
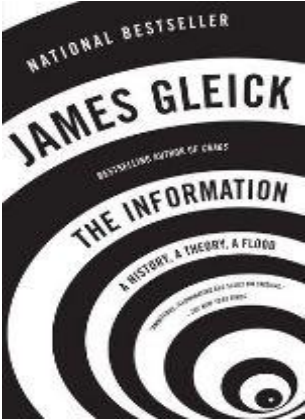
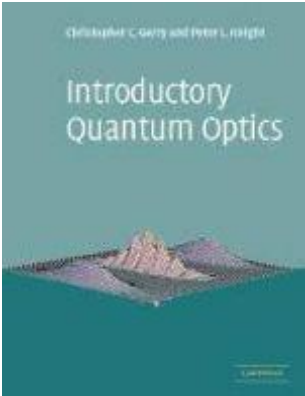
6		Dynamics of mechanical systems by Harold Josephs and Ronald Huston Boca Raton: CRC Press, 2019. Includes index (p. 753-757) ISBN: 9780367396046 Subject Terms: Vector algebra Kinematics Rigid body Force systems Vibrations 621.8 JOS-D 177552; CL Click for more details.
7		Elasticity theory, applications, and numerics by Martin H. Sadd, 4th ed., London: Elsevier, 2021. Includes index (P. 593-605) ISBN: 9780128159873 Subject Terms: Mathematical preliminaries Stress Equilibrium Material behavior Two-Dimensional formulation Thermoelasticity 539.3 SAD-E 177546-177547; CL; AM Click for more details.
8		Hydraulic transients and computations by Zh. Zhang Cham: Springer, 2020. Includes bibliography and index (p. 317-318) ISBN: 9783030402327 Subject Terms: Rigid water column theory Surge tank functionality Elastic water column theory Wave tracking method Stationary flows Complex transient computations Pumps Turbines 621.22:681.3 ZHA-H 177471; CL Click for more details.

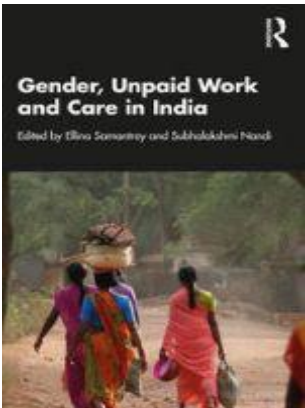
9		Probabilistic machine learning an introduction by Kevin P. MurphyCambridge: MIT Press, 2022. - Adaptive computation and machine learning. Includes bibliography and index (p.775-826) ISBN: 9780262046824 Subject Terms: Random variables Bayes' rule Bernoulli distributions Binomial distributions Probability - Multivariate models Probabilistic graphical models Statistics Bayesian statistics 681.3:519.676 MUR-P 177486-177487; CL; AM Click for more details.
10		Stochastic elasticity a nondeterministic approach to the nonlinear field theory by L. Angela MihaiCham: Springer, 2022. - Interdisciplinary applied mathematics. Includes bibliography and index (p. 241-275) ISBN: 9783031066917 Subject Terms: Stochastic modeling Hyperelastic materials Large strain analysis Information theory Applied probability 519.216:539.3 MIH-S 177489-177490; CL; AM Click for more details.
Sr. No.	Centre for Applied Research in Electronics	
1		Art and science of microelectronic circuit design by Anatoly Belous and Vitali SaladukhaCham: Springer, 2022. Includes index (p. 425-432) ISBN: 9783030898533 Subject Terms: Art of electronics Digital CMOS technology Electronic circuit design Design of electronic circuits Low power circuit design 621.382 BEL-A 177415; CL Click for more details.

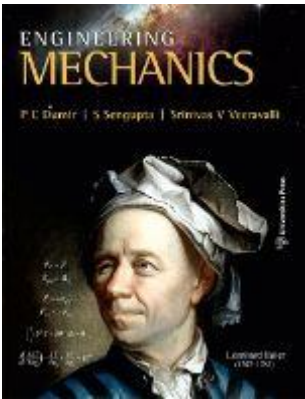
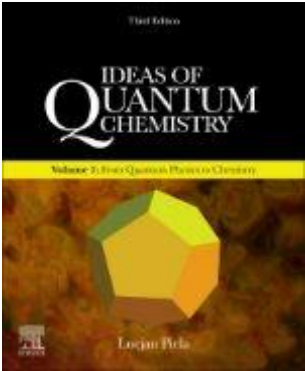
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1		Power electronics, drives, and advanced applications by Vinod Kumar...(et al.)Boca Raton: CRC Press, 2020. Includes bibliography and index (p. 749-762) ISBN: 9781138062399 Subject Terms: Power semiconductors MATLAB Power transmission Silicon controlled rectifier Cycloconverter Simulink 621.315.592 -POW 177500-177501; CL; CART Click for more details.	
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2		Proper care of optics cleaning, handling, storage, and shipping by Robert ScholckBellingham: Society of Photo-Optical Instrumentation Engineers (SPIE), 2019. Includes bibliography (p.213-219) ISBN: 9781510625754 Subject Terms: Inspecting optics Cleaning optical systems Storing optics Shipping optics Protection methods 535 SCH-P 177483; CL Click for more details.	

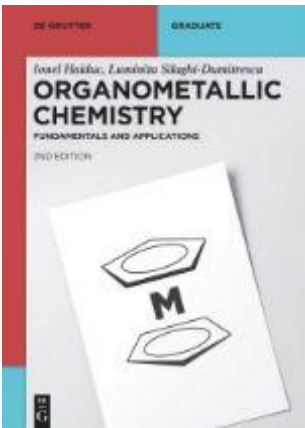
3		Quantum optics taming the quantum by Pierre MeystreCham: Springer, 2021. - Graduate texts in physics. Includes index (p.389-393) ISBN: 9783030761851 Subject Terms: Semiclassical atom Light interaction Electromagnetic field Cummings model Quantum measurement Laser cooling 535.14 MEY-Q 177539; CL Click for more details.
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2		Data structures and algorithms in Java by Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser, 6th ed., New Delhi: Wiley, 2021. Includes bibliography and index (p. B1-I14) ISBN: 9789354247934 Subject Terms: Java expressions Control flow Asymptotic notations Recursive analysis Memory management Sorting 681.3.01 GOO-D 177401-177403; CL; TB Click for more details.

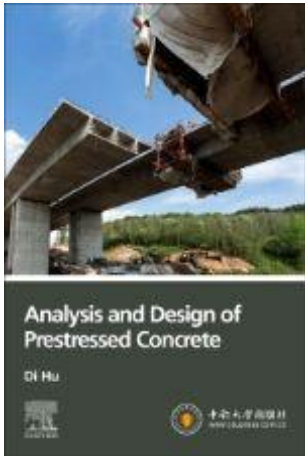
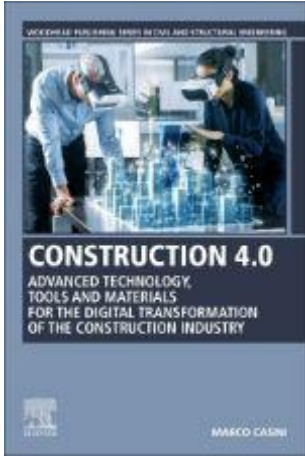
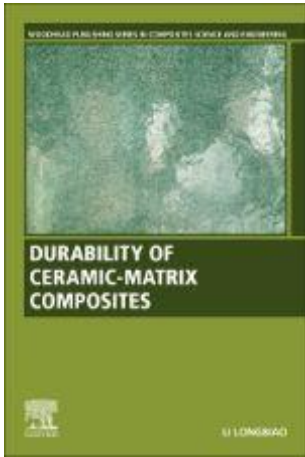
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4		Fundamentals of microelectronics with robotics and bioengineering applications by Behzad Razavi, 3rd ed., Hoboken: John Wiley, 2021. ISBN: 9781119695141 Subject Terms: Electronic systems Digital camera Digital signals Analog circuits Semiconductors Diode models Transistors Circuits Amplifiers 621.3.049.77 RAZ-F 177498; CL Click for more details.
5		Handbook Bibliometrics edited by Rafael Ball Berlin: De Gruyter Saur, 2021. Includes bibliography and index (p. 527-530) ISBN: 9783110642278 Subject Terms: Altmetrics Impact factor Eigenfactor Mendeley Open science RL- HB 025.321.4(021) -HAN 177502; CL Click for more details.
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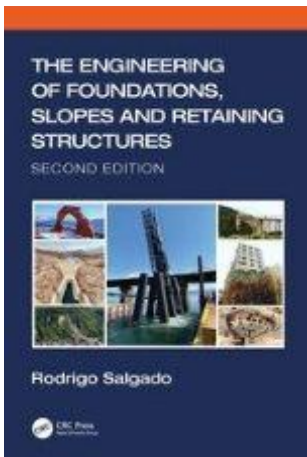
6		India after Gandhi the history of the world's largest democracy by Ramachandra Guha New Delhi: Picador India, 2017. Includes index (p. 882-919) ISBN: 9789382616979 Subject Terms: Freedom Refugees Nehru's India Kashmir Tribal trouble Democracy Riots Populism 94(540)"1947/..." GUH-I 177432; CL Click for more details.
7		Information a history, a theory, a flood by James Gleick New York: Vintage Books, 2011. Includes bibliography and index (p. 477-526) ISBN: 9781400096237 Subject Terms: Information science - History Information society Information theory Informational turn Entropy 001.102 GLE-I 177398; CL Click for more details.
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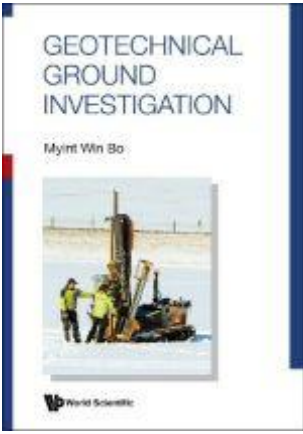
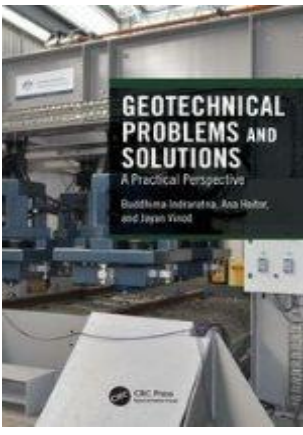
9		Metadata shaping knowledge from antiquity to the semantic web by Richard Gartner Switzerland: Springer, 2016. Includes index (p. 111-114) ISBN: 9783319408910 Subject Terms: Information science Knowledge representation Technical communication Ontology of metadata Taxonomic urge Breaking the silos Democratizing metadata 001.103.2:025.3/.4 GAR-M 177407; CL Click for more details.
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11		Gender, unpaid work and care in India edited by Ellina Samantroy and Subhalakshmi Nandi New York: Routledge, 2022. Includes bibliography and index (p.191-196) ISBN: 9781032425672 Subject Terms: Women - India - Social conditions Women employees - India Caregivers - India Unpaid labor - India Women empowerment 331.1-055.2 -GEN 177497; CL Click for more details.
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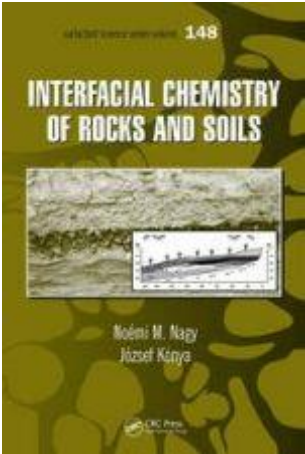
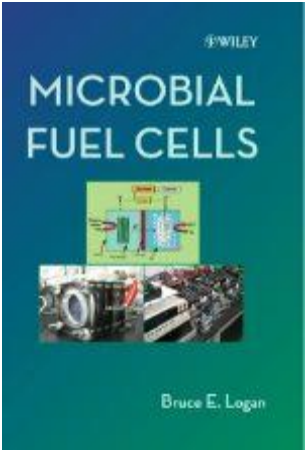
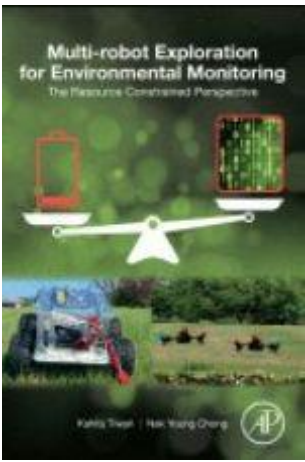
12		Engineering mechanics by P C Dumir, S Sengupta and Srinivas V Veeravalli Hyderabad: Universities Press, 2020. ISBN: 9789389211573 Subject Terms: Kinematics Euler's Axioms Statics Variational mechanics Mechanics Vectors Rigid body 531:62 DUM-E BB76662-BB76666; BB Click for more details.
13		Stereochemistry by David G. Morris Cambridge: Royal Society of Chemistry, 2001. Includes index (p. 168-170) ISBN: 9780854046027 Subject Terms: Hybridization Chiral molecules Stereoisomerism Prochirality Enantiotopic 541.63 MOR-S BB76667-BB76670; BB Click for more details.
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1		Ideas of quantum chemistry by Lucjan Piela, 3rd ed., Amsterdam: Elsevier, 2020. Includes index (p. 759-762) ISBN: 9780444642462 Subject Terms: Quantum mechanics Schrodinger equation Molecular shape Motion of nuclei Orbital model Atoms Molecules 544.18 PIE-I 177424; CL Click for more details.

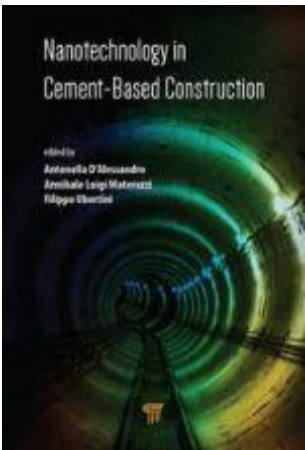
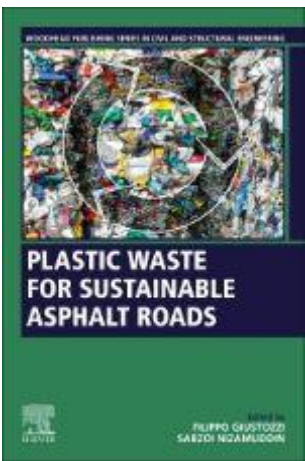
2		Magnetic nanomaterials edited by Stefan H Bossmann and Hongwang Wang applications in catalysis and life sciences London: Royal Society of Chemistry, 2017. - Smart materials series. Includes index (p. 261-265) ISBN: 9781782627883 Subject Terms: Magnetic particles Magnetic hyperthermia Magnetic nanocatalysts Heterogeneous catalysis Biomass conversion 620.3:577.3 -MAG 177411; CL Click for more details.
3		Nanochemistry for chemistry educators by Riam Abu Much, Kurt Winkelmann, and Muhamad Hugerat London: Royal Society of Chemistry, 2022. - Advances in chemistry education series. Includes index (p. 155-165) ISBN: 9781788018869 Subject Terms: Nanotechnology Nanoscience Nanoliposomes Nanomaterials Nanoparticles 54:620.3 MUC-N 177425; CL Click for more details.
4		Organometallic chemistry fundamentals and applications by Ionel Haiduc and Luminita Silaghi-Dumitrescu, 2nd ed., Berlin: Degruyter, 2022. Includes index (p. 423-429) ISBN: 9783110695267 Subject Terms: Organometallic compounds Catalysis Organic chemistry Inorganic chemistry Physical chemistry 547.1'13 HAI-O 177419-177420; CL; CHY Click for more details.

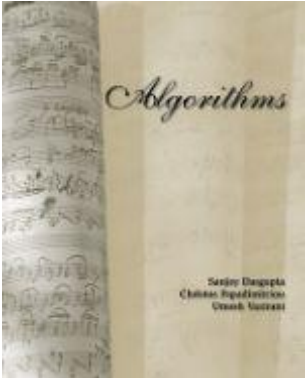
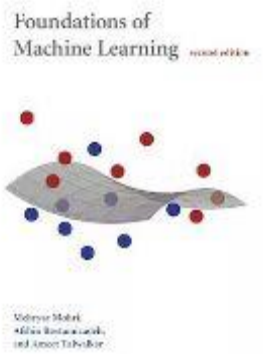
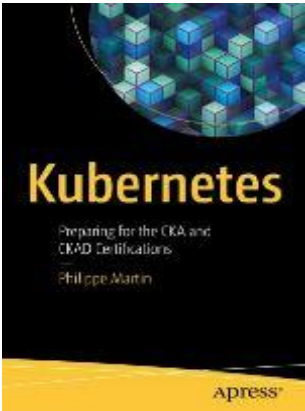
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1		Analysis and design of prestressed concrete by Di HuAmsterdam: Elsevier, 2022. Includes bibliography and index (p.421-436) ISBN: 9780128244258 Subject Terms: Prestressed concrete force Prestressing materials Analysis and design Prestressing force on structures Concrete flexural structures 624.012.46 HU-A 177514; CL Click for more details.	
2		Construction 4.0 advanced technology, tools and materials for the digital transformation of the construction industry by Marco CasiniCambridge: Elsevier, 2022. - Woodhead publishing series in civil and structural engineering. Includes bibliography and index (p. 661-676) ISBN: 9780128217979 Subject Terms: Architecture -Technological innovations Building - Technological innovations Electronic books Smart energy building Smart home Advanced facility management 69 CAS-C 177515; CL Click for more details.	
3		Durability of ceramic-matrix composites by Li LongbiaoCambridge: Elsevier, 2020. - Woodhead publishing series in composites science and engineering. Includes index (p.453-466) ISBN: 9780081030219 Subject Terms: Tensile strength Interface debonding Sliding of ceramic Cyclic fatigue loading Matrix cracking of ceramic 666.3-1 LON-D 177525; CL Click for more details.	

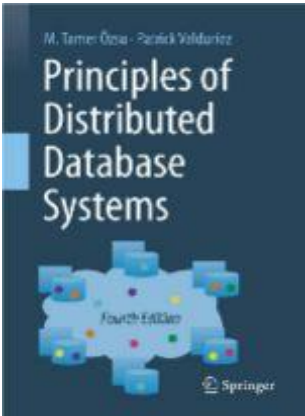
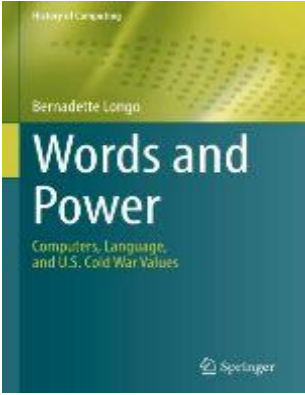
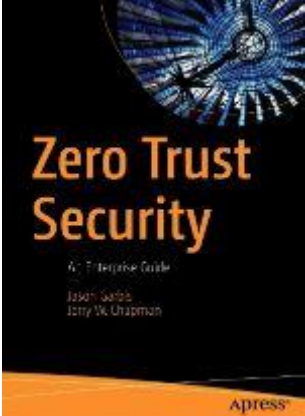
4		Electronic Waste Management edited by G. H. Eduljee and R. M. Harrison, 2nd ed., London: RSC Publishing, 2020. - Issues in environmental science and technology. Includes bibliography and index (p.338-251) ISBN: 9781788017442 Subject Terms: Electronics recycling Critical raw materials Photovoltaic panels Socioeconomic factors 628.54:621.38 -ELE 177513; CL Click for more details.
5		Engineering of foundations, slopes and retaining by Rodrigo Salgado, 2nd ed., Boca Raton: CRC Press, 2022. Includes bibliography and index (p.953-963) ISBN: 9781138197640 Subject Terms: Stress Analysis Retaining Structures Soil, rock and groundwater Shallow foundation settlement Site exploration 624.1/.5 SAL-E 177507-177508; CL; CE Click for more details.
6		Environmental degradation monitoring, assessment and treatment technologies edited by Izharul Haq, Ajay S. Kalamdhad and Siddhant Dash New Delhi: Capital Publishing, 2021. Includes bibliography and index (p. 267-270) ISBN: 9789381891704 Subject Terms: Wastewater treatment Water quality Groundwater quality Landfill site - Delhi Electrochemistry 628.3 -ENV 177510; CL Click for more details.
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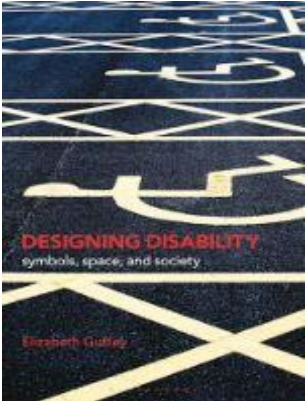
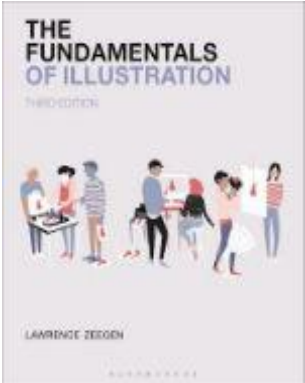
7		Geotechnical ground investigation by Myint Win Bo Singapore: World Scientific, 2022. Includes bibliography and index (p.231-247) ISBN: 9789811236723 Subject Terms: Soil mechanics Hydrogeology Geotechnical engineering Groundwater Geoenvironmental engineering 624.13 BO-G 177523; CL Click for more details.
8		Geotechnical problems and solutions practical perspective by Buddhima Indraratna, Ana Heitor and Jayan Vinod London: CRC Press, 2021. Includes bibliography and index (p. 239-241) ISBN: 9780367546052 Subject Terms: Permeability Seepage Elastic stress Slope stability analysis Pavement infrastructure Soil mechanics 624.13 IND-G 177509; CL Click for more details.
9		Integrated approaches towards solid waste management edited by Ajay S. Kalamdhad New Delhi: Capital Publishing, 2021. Includes bibliography (p. 339-345) ISBN: 9789381891674 Subject Terms: Plastic waste Textile waste Kitchen waste Toxicity assessment Biogas development 628.3/.4 -INT 177511; CL Click for more details.
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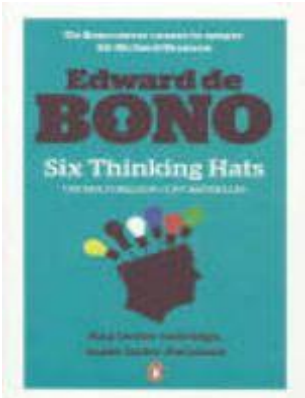
10		Interfacial chemistry of rocks and soils by Noemi M. Nagy and Jozsef Konya, 2nd ed., Boca Raton: CRC Press, 2022. - Surfactant science series. Includes index (p. 249-257) ISBN: 9780367856823 Subject Terms: Components of soil Rock-Solution systems Geological systems Soil interfaces Ground water 631.4 NAG-I 177408; CL Click for more details.
11		Microbial fuel cells by Bruce E. Logan Hoboken: Wiley, 2008. Includes bibliography and index (p.189-200) ISBN: 9780470239483 Subject Terms: Microbial biotechnology Biomass energy Biomasse - Conversion. Energy conversion Power generation 621.352.6:579.2 LOG-M 177506; CL Click for more details.
12		Multi-robot exploration for environmental monitoring the resource constrained perspective by Kshitij Tiwari and Nak Young chong London: Elsevier, 2020. Includes bibliography and index (p.237-239) ISBN: 9780128176078 Subject Terms: Gaussian process Coverage path planning Informative path planning Spatiotemporal dynamics Multiple robots 628.52:681.3 TIW-M 177493; CL Click for more details.

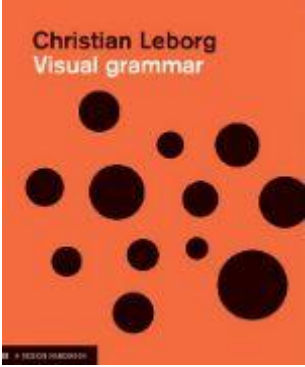
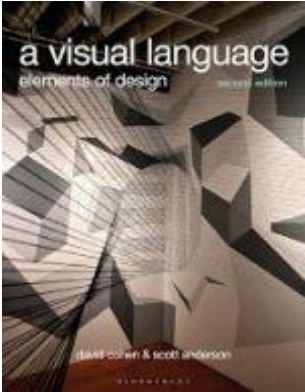
13		Nanotechnology in cement-based construction edited by Antonella D'Alessandro, Annibale Luigi Materazzi and Filippo Ubertini Singapore: Jenny Stanford Publishing, 2020. Includes index (p. 695-408) ISBN: 9789814800761 Subject Terms: Cementitious materials Cement matrixes Cement - Carbon nanocomposites Thermal storage Energy harvesting Electromagnetic interference 666.94:620.3 -NAN 177526; CL Click for more details.
14		Passive vibration control of structures by Susasini Madhekar and Vasant Matsagar Boca Raton: CRC Press, 2022. Includes bibliography and index (p.393-397) ISBN: 9781138035140 Subject Terms: Damping - Mechanics Earthquake resistant design Bracing systems Tuned dampers Friction dampers 624:534.83 Mad-p 177505; CL Click for more details.
15		Plastic waste for sustainable asphalt roads edited by Filippo Glustozzi and Sabzoi Nizamuddin Cambridge: Elsevier, 2022. - Woodhead publishing series in civil and structural engineering. Includes bibliography and index (p.379-381) ISBN: 9780323857895 Subject Terms: Plastic scrap - Recycling Plastic scrap waste management systems Hybrid combination of waste plastic Polymers and plastics 625.7/.8:628.4.043 -PLA 177512; CL Click for more details.

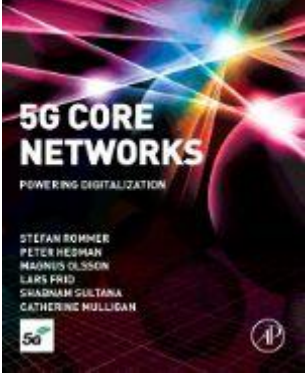
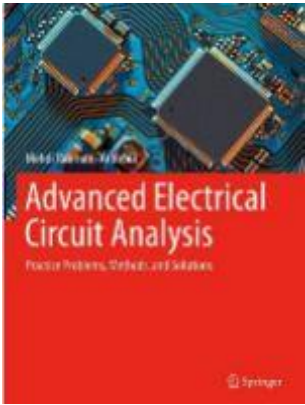
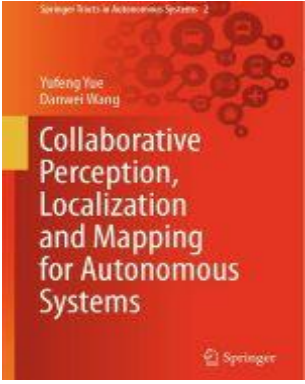
Sr. No.	Computer Science and Engineering	
1		Algorithms by Sanjoy Dasgupta, Christos Papadimitriou, Umesh Vazirani New York: Mcgraw Hill, 2008. Includes index (p. 319-320) ISBN: 9780073523408 Subject Terms: Decompositions of graphs Paths in graphs Greedy algorithms Dynamic programming Quantum algorithms 681.3:510.5 DAS-A 177399-177400; CL; CSE Click for more details.
2		Foundations of machine learning by Mehryar Mohri, Afshin Rostamizadeh and Ameet Talwalkar, 2nd ed., Cambridge: MIT Press, 2018. - Adaptive computation and machine learning. Includes bibliographical references and index (p.461-486) ISBN: 9780262039406 Subject Terms: Computer algorithms PAC learning model Rademacher complexity Information theory Margin theory Convex optimization Game-theoretic connection 681.3 MOH-F 177488; 177573; CSE; SAI Click for more details.
3		Kubernetes: preparing for the CKA and CKAD certifications by Philippe Martin New York: Springer, 2021. Includes bibliography and index (p.227-231) ISBN: 9781484264935 Subject Terms: Configuring applications Scheduling pods Monitoring and logging Accessing the cluster Command-line tools Security 681.3 MAR-K 177464; CL Click for more details.
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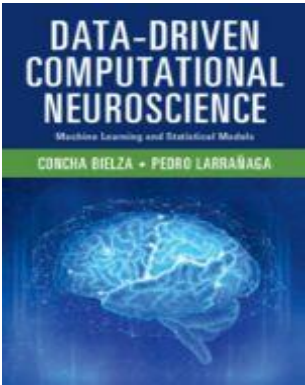
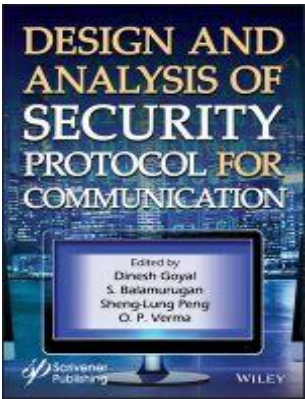
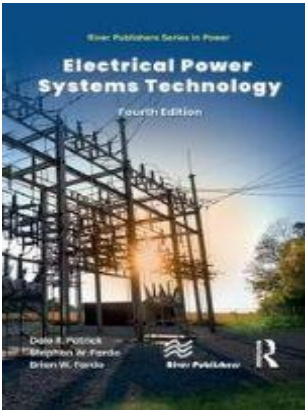
4		Principles of distributed database systems by M. Tamer Ozsu and Patrick Valduriez, 4th ed., Cham: Springer, 2020. Includes bibliography and index (p. 627-674) ISBN: 9783030262556 Subject Terms: Data design Distributed data control Data replication Big data processing Web data management 681.3.01 OZS-P 177465; CL Click for more details.
5		Words and power computers, language and U.S. cold war values by Bernadette LongoCham: Springer, 2021. - History of computing. ISBN: 9783030703721 Subject Terms: Computer development Language structure Technology development Human communication Transportation safety 681.3 LON-W 177456; CL Click for more details.
6		Zero trust security an enterprise guide by Jason Garbis and Jerry W.ChapmanNew York: Springer, 2021. Includes bibliography and index (p. 293-300) ISBN: 9781484267011 Subject Terms: Enterprise architecture Access management Network infrastructure Network access control Security operations Data protection 681.3 :004.492 GAR-G 177457; CL Click for more details.

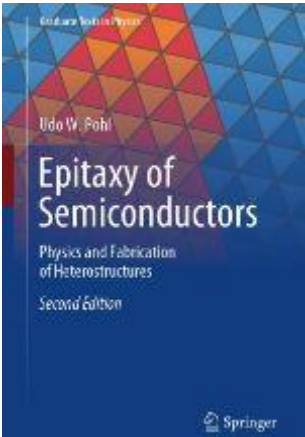
Sr. No.	Design	
1		Designing disability symbols, space, and society by Elizabeth Guffey London: Bloomsbury, 2019. Includes bibliography and index (p.195-223) ISBN: 9781350148833 Subject Terms: Secret signs Signs of discrimination Redesigning signs Misfit design Signs of protest 7.012-056.26 GUF-D 177480; CL Click for more details.
2		Fundamentals of illustration by Lawrence Zeegen, 3rd ed., London: Bloomsbury, 2020. Includes bibliography and index (p.165-172) ISBN: 9781474240390 Subject Terms: Photography Book publishing Fashion illustration Advertising illustration Portfolios 744 ZEE-F 177481; CL Click for more details.
3		Mobility design shaping future mobility edited by Peter Eckart and Kai Vockler Berlin: JOVIS, 2022. ISBN: 9783868596458 Subject Terms: Sustainable transportation Mobility hubs Connective mobility Urban planning Hybrid architecture City vision 656.02:625.721 -MOB 177522; CL Click for more details.
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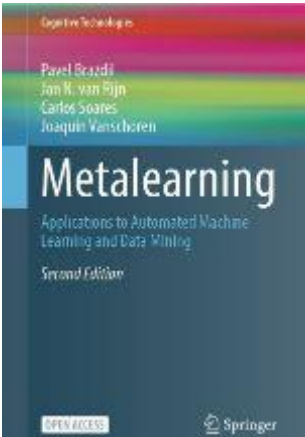
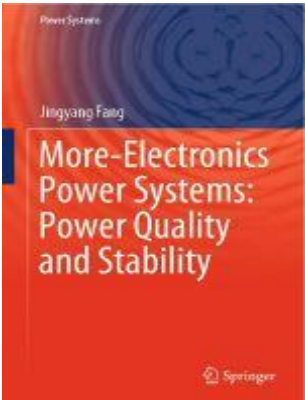
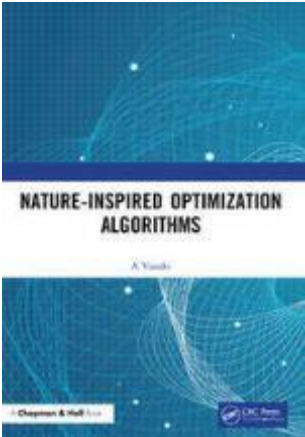
4		Observe, collect, draw! a visual journal by Giorgia Lupi and Stefanie Posavec New York: Princeton Architectural Press, 2018. ISBN: 9781616897147 Subject Terms: Dairies Day to day tasks Daily works To do list Dairy documentation 7(093.3) LUP-O 177430; CL Click for more details.
5		Six thinking hats by Edward De Bono London: Penguin, 2016. ISBN: 9780241257531 Subject Terms: Thought and thinking Problem solving Creative thinking Reasoning Decision making 159.955 DE-S 177530; CL Click for more details.
6		Solving critical design problems theory and practice by Tania Allen New York: Routledge, 2019. Includes index (p. 215-217) ISBN: 9780367025847 Subject Terms: Design thinking Reciprocity Visualizing the invisible Ecological design thinking Narrative design thinking Moral mediator 745/749 ALL-S 177551; CL Click for more details.
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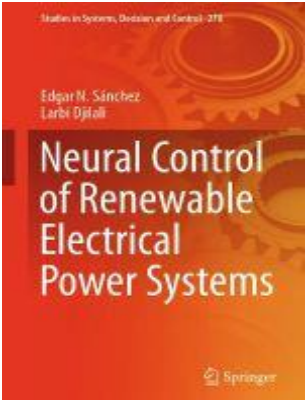
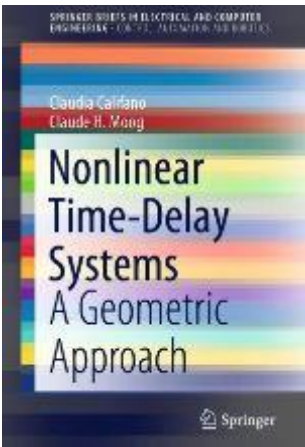
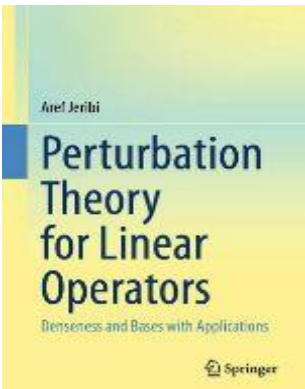
7		Visible signs an introduction to semiotics in the visual arts by David Crow, 3rd ed., London: Bloomsbury, 2018. Includes bibliography and index (p.188-191) ISBN: 9781350092655 Subject Terms: Semiotics Semiotics and art Visual communication Symbolic creativity Rubbish theory 744.9 CRO-V 177479; CL Click for more details.
8		Visual grammar by Christian Leborg New York: Princeton Architectural Press, 2006. Includes bibliography (p. 95) ISBN: 9781568985817 Subject Terms: Abstract Concrete objects Activities Relations Concrete structures 766 LEB-V 177431; CL Click for more details.
9		Visual language elements of design by David Cohen and Scott Anderson, 2nd ed., London: Bloomsbury visual arts, 2020. Includes index (p.143-144) ISBN: 9781350240575 Subject Terms: Non-representational drawing Three-dimensional form Representational drawing Visual practice Abstract analysis 7.021 COH-V 177472; CL Click for more details.
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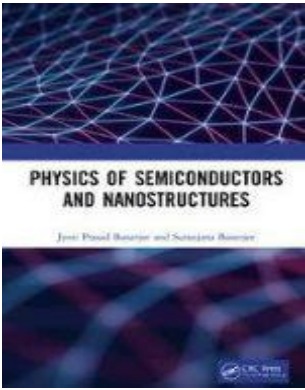
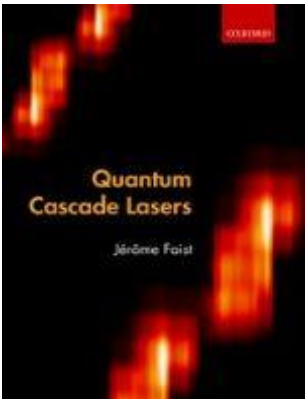
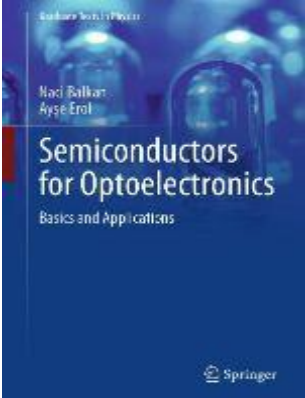
Sr. No.	Electrical Engineering	
1		5G core networks powering digitalization by Stefan Rommer...(et al.)Cambridge: Elsevier, 2020. Includes bibliography and index (p. 475-484) ISBN: 9780081030097 Subject Terms: Wireless communication Mobility management Mobile communication Network slicing Dual connectivity 621.391 -FIV 177519; CL Click for more details.
2		Advanced electrical circuit analysis practice problems, methods, and solutions by Mehdi Rahmani-AndebiliCham: Springer, 2022. Includes index (p. 151-152) ISBN: 9783030785390 Subject Terms: Circuit fundamentals Circuit theorems Convolution integral Graph theory Laplace transform Natural frequency Network topology Operational amplifier 621.3.049.76 RAH-A 177435; CL Click for more details.
3		Collaborative perception, localization and mapping for autonomous systems by Yufeng Yue and Danwei WangSingapore: Springer, 2021. - Springer tracts in autonomous systems. ISBN: 9789811588594 Subject Terms: Mobile robots Artificial intelligence Collaborative perception Robotic mapping Multimodal mapping 681.3-52 YUE-C 177436; CL Click for more details.
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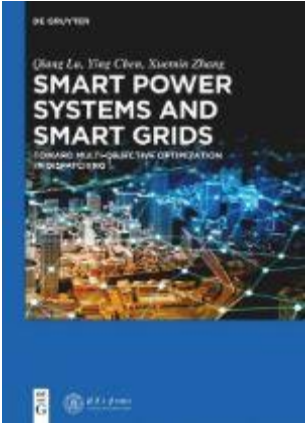
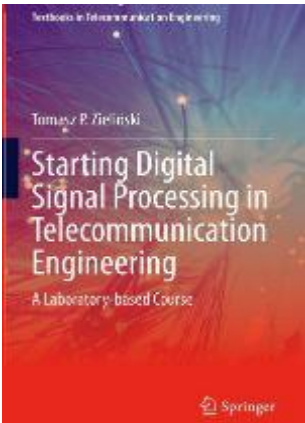
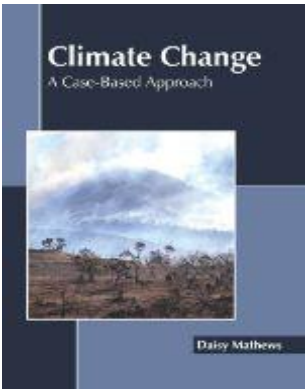
4		Data driven computational neuroscience machine learning and statistical models by Concha Bielza and Pedro LarranagaCambridge: Cambridge University Press, 2021. Includes bibliography and index (p. 613-689) ISBN: 9781108493703 Subject Terms: Data analysis Probabilistic inference Metaclassifiers Bayesian networks Spatial statistic Probabilistic clustering 616.8:681.3 BIE-D 177549; CL Click for more details.
5		Design and analysis of security protocol for communication edited by Dinesh Goyal...(et al.)Hobokon: Wiley, 2020. Includes bibliography and index (p. 343-351) ISBN: 9781119555643 Subject Terms: Computer network protocols Computer networks - Security measures Security protocol Modern security techniques Cloud based communication 681.3 -DES 177499; CL Click for more details.
6		Electrical power systems technology by Dale R. Patrick, Stephen W. Fardo and Brian W. Fardo, 4th ed., London: Routledge, 2021. - River publishers series in power. Includes bibliography and index (p. 523-528) ISBN: 9788770226660 Subject Terms: Electric machinery Electric power production Electricity Power networks Modern power systems Control devices 621.311 PAT-E 177520; CL Click for more details.
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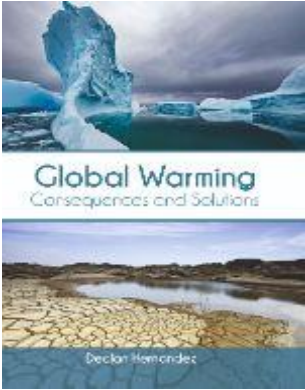
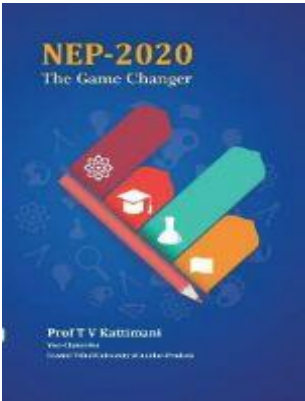
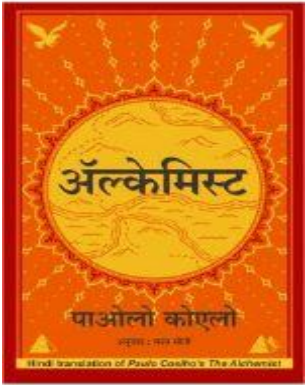
7		Epitaxy of semiconductors physics and fabrication of heterostructures by Udo W. Pohl, 2nd ed., Cham: Springer, 2020. - Graduate texts in Physics. Includes index (p. 527-534) ISBN: 9783030438715 Subject Terms: Semiconductor nanostructures Materials for optoelectronics Semiconductor heterostructures Thermodynamics of layer growth Molecular beam epitaxy Liquid phase epitaxy Materials sciences 621.315.59 POH-E 177437; CL Click for more details.
8		Internet of things concepts and system design by Milan MilenkovicCham: Springer, 2020. Includes index (p. 303-306) ISBN: 9783030413484 Subject Terms: Connected things Smart things Gateways Edge computing Cloud computing Streaming data Machine learning Artificial Intelligence 681.3 MIL-I 177570; CL Click for more details.
9		Introduction to microcontroller programming for power electronics control applications coding with MATLAB and Simulink by Mattia Rossi... (et al.)Boca Raton: CRC Press, 2022. Includes bibliography and index (p. 423-429) ISBN: 9780367709853 Subject Terms: Development kit Hardware kits Power connectivity Software installation Encoder peripheral Closed loop control system 681.3 ROS-I 177484; EE Click for more details.
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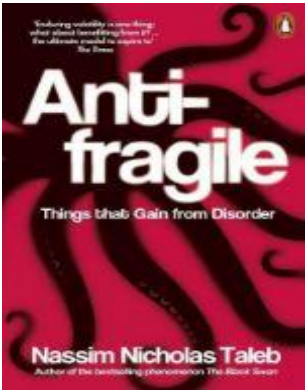
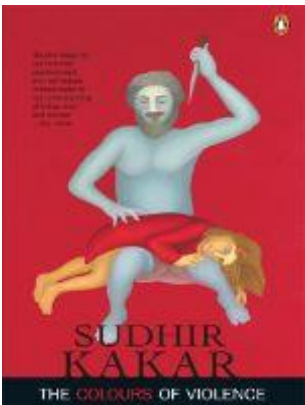
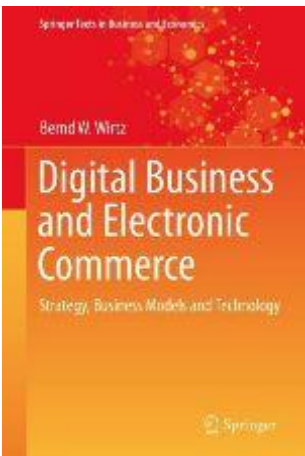
10		Metalearning applications to automated machine learning and data mining by Pavel Brazdil... (et al.), 2nd ed., Cham: Springer, 2022. - Cognitive technologies. Includes bibliography and index (p. 339-346) ISBN: 9783030670238 Subject Terms: Artificial intelligence Algorithm selection Hyperparameter optimization Transfer learning Automating data science Open access 681.3 -MET 177438; CL Click for more details.
11		More-electronics power systems power quality and stability by Jingyang FangSingapore: Springer, 2021. - Power systems. ISBN: 9789811585890 Subject Terms: Power quality enhancement Power stability Renewable generation Passive power filters Power converters Distributed virtual inertia Hybrid energy storage systems 621.311:621.382 FAN-M 177439; CL Click for more details.
12		Nature-inspired optimization algorithms by A VasukiBoca Raton: CRC Press, 2020. Includes bibliography and index (p.253-260) ISBN: 9780367503291 Subject Terms: Mathematical optimization Natural computation Genetic algorithm Swarm behavior Fish school behavior Flower pollination algorithm 519.863 VAS-N 177504; CL Click for more details.
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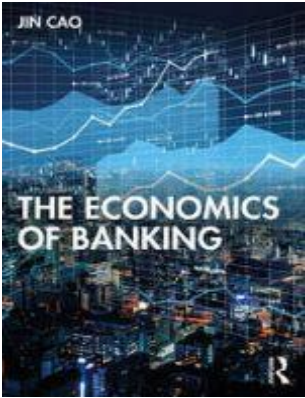
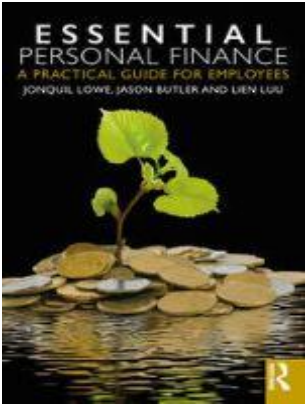
13		Neural control of renewable electrical power systems by Edgar N. Sánchez and Larbi DjilaliCham: Springer, 2020. - Studies in systems, decision and control. ISBN: 9783030474423 Subject Terms: Neural control Wind system modeling Neural control synthesis Microgrid control Renewable energy 620.92 SAN-N 177440; CL Click for more details.
14		Nonlinear time-delay systems a geometric approach by Claudia, Califano and Claude H. MoogCham: Springer, 2021. - Springer briefs in electrical and computer engineering: control, automation and robotics. Includes bibliography and index (p.101-105) ISBN: 9783030720254 Subject Terms: Geometric tools Delay free extended Geometric framework Observability Applications of integrability 530.182:514 CAL -N 177453; CL Click for more details.
15		Perturbation theory for linear operators denseness and bases with applications by Aref JeribiSingapore: Springer, 2021. Includes bibliography and index (p.505-509) ISBN: 9789811625275 Subject Terms: Carleman-class Eigenvectors Bargmann space Gribov operator Root vectors Eigenvalues 517.983.28 JER-P 177454; CL Click for more details.
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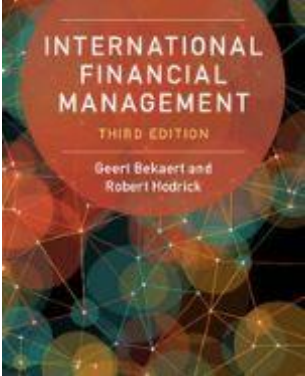
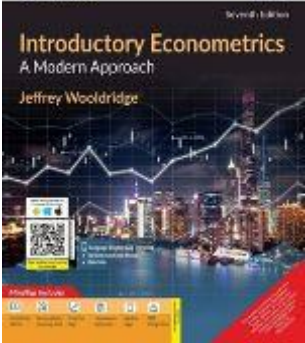
16		Physics of semiconductors and nanostructures by Jyoti Prasad Banerjee and Suranjana Banerjee Boca Raton: CRC Press, 2019. Includes index (p. 407-411) ISBN: 9781482223040 Subject Terms: Quantum theory Effective mass Schrodinger wave Bandgap energy Electric field 621.315.59:620.3 BAN-P 177548; CL Click for more details.
17		Quantum cascade lasers by Jerome Faist Oxford: Oxford University Press, 2018. Includes index (p. 305-306) ISBN: 9780198795889 Subject Terms: Semiconductor lasers Far infrared lasers Lasers Optical transitions Terahertz 621.375.826 FAI-Q 177565; CL Click for more details.
18		Semiconductors for optoelectronics basics and applications by Naci Balkan and Ayse Erol Cham: Springer, 2021. - Graduate texts in physics. Includes bibliography and index (p. 287-292) ISBN: 9783319449340 Subject Terms: Semiconductors Optoelectronics Microwaves Solar cells Optical engineering 621.315.59 BAL-S 177455; CL Click for more details.
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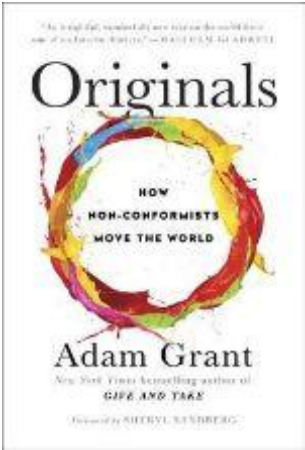
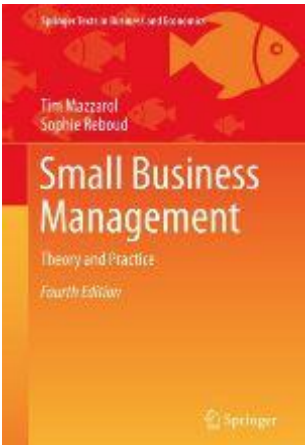
19		Smart power systems and smart grids toward multi-objective optimization in dispatching by Qiang Lu, Ying Chen and Xuemin Zhang Berlin: De Gruyter, 2022. Includes index (p. 225-226) ISBN: 9783110447842 Subject Terms: Control engineering Metrology Electrical engineering Energy engineering Information technology Mechanical engineering 621.311:681.5 LU-S 177521; CL Click for more details.
20		Starting digital signal processing in telecommunication engineering a laboratory-based course by Tomasz P. Zielinski Cham: Springer, 2021. - Textbooks in telecommunication engineering. Includes index (p. 853-861) ISBN: 9783030492588 Subject Terms: Spectral analysis Discrete fourier transform Fast fourier transform Digital filtering Digital communication Speech coding 621.39 ZIE-S 177571; CL Click for more details.
Sr. No.	Energy Science and Engineering	
1		Climate change a case-based approach edited by Daisy Mathews New York: States Academic Press, 2021. Includes index (p. 218-219) ISBN: 9781639891061 Subject Terms: Environmental impacts Marine ecosystems Air quality Coastal ecosystems Socio economic impacts Atmosphere 551.583.3 -CLI 177410; CL Click for more details.
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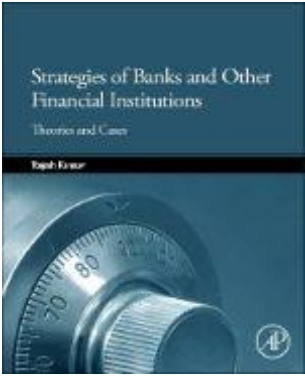
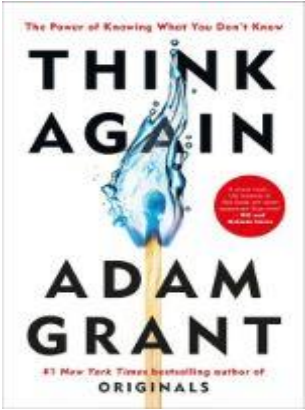
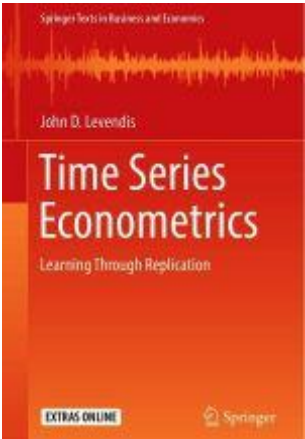
2		Global warming consequences and solutions by Declan Hernandez New York: Murphy & Moore, 2022. Includes index (p. 235-236) ISBN: 9781639872626 Subject Terms: Climate change Greenhouse gases Ozone depletion Radiative damping Solar radiation Renewable energy 504.7 HER-G 177409; CL Click for more details.
Sr. No.	Gratis	
1		NEP-2020 : the game changer by T V Kattimani Bengaluru: Meru Info Solutions, 2022. ISBN: 9788194984115 Subject Terms: Education policy Academic approach Multidisciplinary Language role Early childhood care and education Online training programs Higher education Universal education 37.014.5 KAT-N G23917; CL Click for more details.
Sr. No.	Hindi Collection	
1		Alchemist (अल्केमिस्ट) by Paulo Coelho Bhopal: Manjul Publishing House, 2020. ISBN: 9789390085194 Subject Terms: Simplicity Wisdom Inspiration Charmer Clairvoyant 82-311.2 COE-A H143; CL Click for more details.

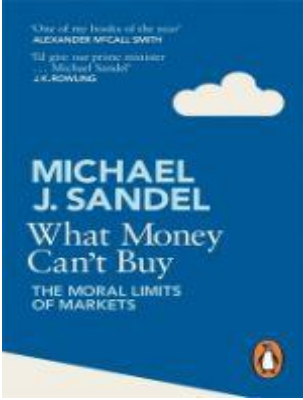
Sr. No.	Management Studies	
1		Antifragile things that gain from disorder by Nassim Nicholas Taleb New Delhi: Penguin Books, 2013. Includes bibliography and index (p. 481-519) ISBN: 9780141038223 Subject Terms: Forecasting Uncertainty - Social aspects Information theory Complexity - Philosophy Resilience - Personality trait Adaptability - Psychology Adjustment - Psychology 159.923 TAL-A 177559; CL Click for more details.
2		Colours of violence by Sudhir Kakar Haryana: Penguin Books, 1996. Includes index (p. 268-272) ISBN: 9780140251647 Subject Terms: Riot Warriors Victims Hindus Muslims Religious conflict 316.48:2 KAK-C 177560; CL Click for more details.
3		Digital business and electronic commerce strategy, business models and technology by Bernd W. Wirtz Cham: Springer, 2021. - Springer texts in business and economics. Includes bibliography and index (p. 721-758) ISBN: 9783030634841 Subject Terms: E-business E-commerce Digital business models Artificial intelligence Big data Digital marketing Digital government 658:681.3 WIR-D 177555; CL Click for more details.

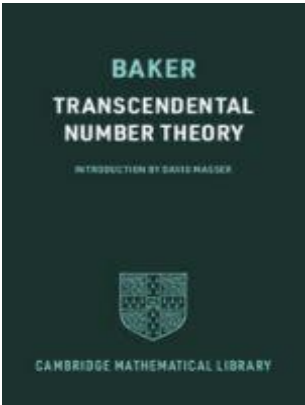
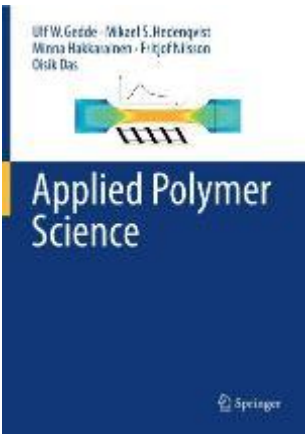
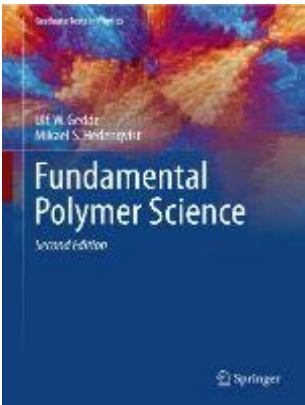
4		Economics of banking by Jin Cao London: Routledge, 2022. Includes bibliography and index (p. 605-641) ISBN: 9780367405724 Subject Terms: Microeconomics Fragile banks Securitized banking Macroeconomics Political economy International banking Banking regulation Macroprudential regulation Central banking 336.71 CAO-E 177576; MS Click for more details.
5		Essential personal finance a practical guide for employees by Jonquil Lowe, Jason Butler, and Lien Luu London: Routledge, 2019. Includes index (p. 241-247) ISBN: 9781138488151 Subject Terms: Financial planning Wealth through saving Income Workplace pension Loans - Credit Building resilience 336.581-057.16 LOW-E 177577; MS Click for more details.
6		Foucault reader by Michel Foucault; edited by Paul Rabinow New York: Penguin Books, 2010. ISBN: 9780394713403 Subject Terms: Philosophy - France Criticism Truth Power Knowledge 1(44) FOU-F 177561; CL Click for more details.
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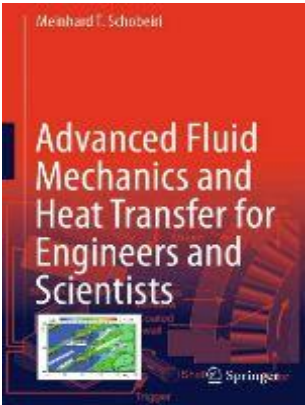
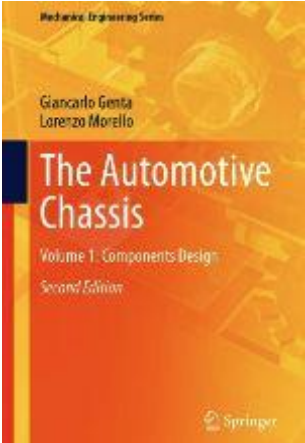
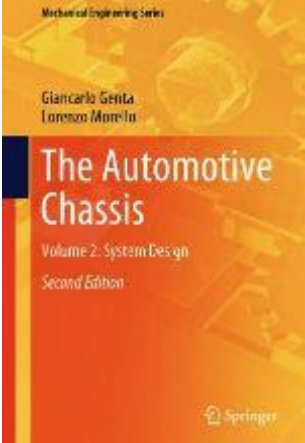
7		International financial management by Geert Bekaert and Robert Hodrick, 3rd ed., Cambridge: Cambridge University Press, 2018. Includes bibliography and index (p.969-1036) ISBN: 9781107111820 Subject Terms: Corporate finance Country and political risk Transaction exchange risk International capital budgeting Currency derivatives 658.15 BEK-I 177496; MS Click for more details.
8		Introductory econometrics a modern approach by Jeffrey M. Wooldridge, 7th ed., Delhi: Cengage, 2020. Includes bibliography and index (p. 812-826) ISBN: 9789355731074 Subject Terms: Regression analysis Heteroskedasticity Data problems OLS asymptotics Mathematical statistics 330.43 WOO-I 177494-177495; CL; MS Click for more details.
9		Give and take a revolutionary approach to success by Adam Grant London: Phoenix, 2014. Includes index (p. 353-366) ISBN: 9781780224725 Subject Terms: Success Psychological aspects Social networks Interpersonal relations Success in business 159.9:658.310.42 GRA-G 177562; CL Click for more details.

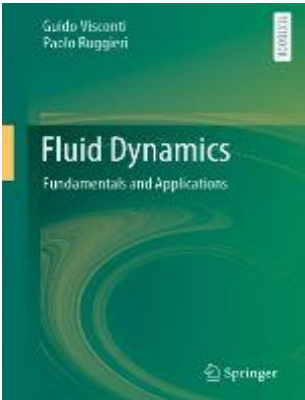
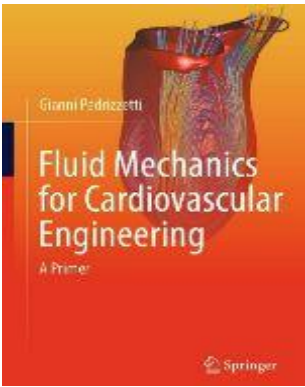
10		Originals how non-conformists change the world by Adam Grant London: WH Allen, 2017. Includes index (p. 309-322) ISBN: 9780753548080 Subject Terms: Creative destruction New products Organizational change Success in business Entrepreneurship Creative thinking Corporate culture 159.954:658 GRA-O 177563; CL Click for more details.
11		Small business management theory and practice by Tim Mazzarol and Sophie Reboud, 4th ed., Singapore: Springer, 2020. - Springer texts in business and economics. ISBN: 9789811395086 Subject Terms: Business growth Small business sector Business strategy Knowledge management Enterprise resource management Human resource management 658.1 MAZ-S 177556; CL Click for more details.
12		Strategies for e-Business concepts and cases on value creation and digital business transformation by Tawfik Jelassi and Francisco J. Martinez-Lopez, 4th ed., Cham: Springer, 2020. - Classroom companion: business. ISBN: 9783030489526 Subject Terms: Electronic commerce strategy Case studies in e-business Mobile e-commerce Evolution of e-business Market segmentation Core competencies 658:681.3 JEL-S 177575; CL Click for more details.
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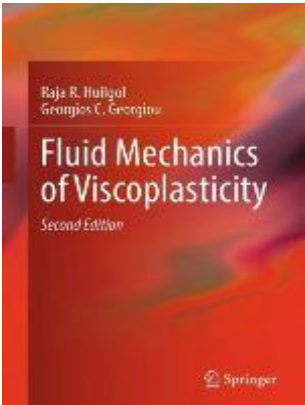
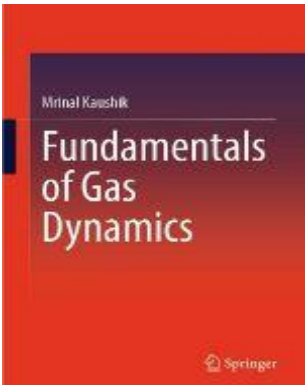
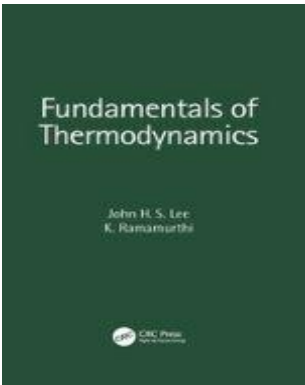
13		Strategies of banks and other financial institutions theories and cases by Rajesh Kumar Oxford: Elsevier, 2014. Includes bibliography and index (p.523-539) ISBN: 9780124169975 Subject Terms: Banks and banking Business enterprises - Finance Commerce Economics Foreign exchange 336.7 RAJ-S 177503; CL Click for more details.
14		Think again the power of knowing what you don't know by Adam Grant London: WH Allen, 2021. Includes index (p. 297-307) ISBN: 9780753553893 Subject Terms: Questioning Thought and thinking Belief and doubt Knowledge theory Critical thinking 159.955 GRA-T 177557; CL Click for more details.
15		Time series econometrics learning through replication by John D. Levendis Cham: Springer, 2019. - Springer texts in business and economics. Includes bibliography and index (p. 395-409) ISBN: 9783319982816 Subject Terms: Stata Vector autoregression Volatility Time series analysis Financial econometrics ARCH 330.43 LEV-T 177553; CL Click for more details.

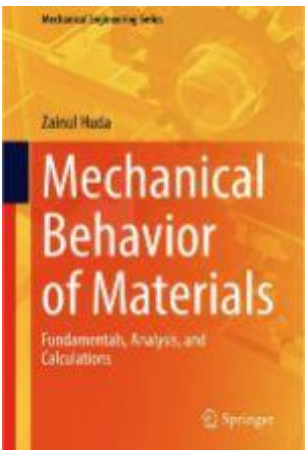
16		Understanding central banks by Nils HergerCham: Springer, 2019. Includes index (p. 197-200) ISBN: 9783030051617 Subject Terms: Central banking Monetary policy Financial crises Inflation Currency Exchange rates 336.711 HER-U 177554; 177564; CL; MS Click for more details.
17		What money can't buy the moral limits of markets by Michael J. SandelNew Delhi: Penguin Books, 2013. Includes index (p. 237-244) ISBN: 9780241954485 Subject Terms: Markets Sale Economic approach to life Carbon offsets Ethics Economics 174 SAN-W 177558; CL Click for more details.
Sr. No.	Mathematics	
1		Problems in the theory of modular forms by M. Ram Murty, Michael Dewar, and Hester GravesNew Delhi: Hindustan Book Agency, 2015. - Institute of mathematical sciences lecture notes. Includes index (p. 289-291) ISBN: 9789380250724 Subject Terms: Jacobi's q-series Modular group Ramanujan τ-function Peterson Inner product Hecke operators Dirichlet series 511.381 MUR-P 177429; CL Click for more details.
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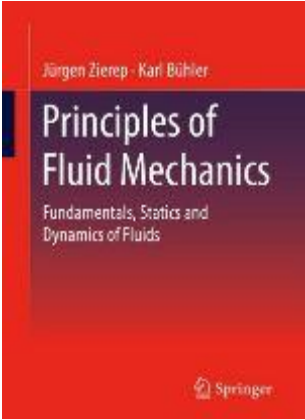
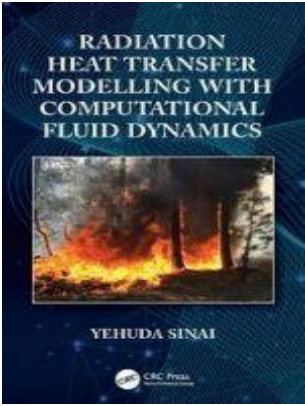
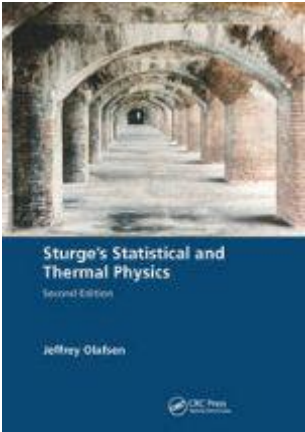
2		Transcendental number theory by Alan Baker Cambridge: Cambridge University Press, 2022. Includes index (p. 166-169) ISBN: 9781009229944 Subject Terms: Logarithms Diophantine equations Elliptic functions Mahler's classification Metrical theory Algebraic independence 511.46 BAK-T 177428; CL Click for more details.
Sr. No.	Materials Science and Engineering	
1		Applied polymer science by Ulf W. Gedde... (et al.) Cham: Springer, 2021. Includes bibliography and index (p.537-547) ISBN: 9783030684716 Subject Terms: Materials analysis Spectrum analysis Polymer microscopy Molecular dynamics Chromatographic analysis 678-1 GED-A 177482; CL Click for more details.
2		Fundamental polymer science by Ulf W. Gedde and Mikael S. Hedenqvist, 2nd ed., Cham: Springer, 2019. - Graduate texts in physics. Includes bibliography and index (p. 487-493) ISBN: 9783030297923 Subject Terms: Rubber elasticity Crystallization kinetics Chain orientation Polymer synthesis Glassy amorphous state Semicrystalline polymers 678-1 GED-F 177474; CL Click for more details.

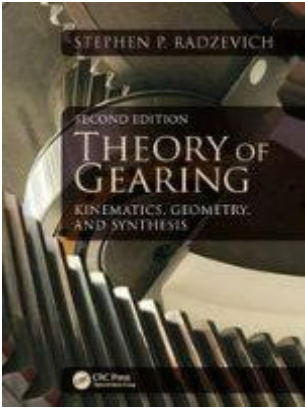
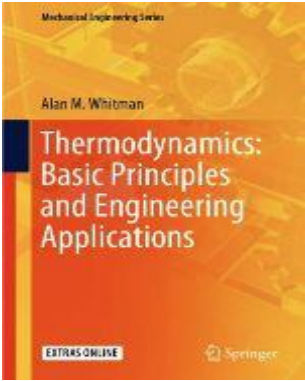
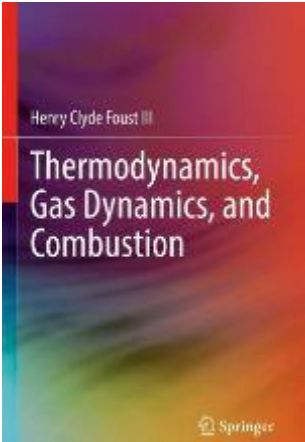
Sr. No.	Mechanical Engineering	
1		Advanced fluid mechanics and heat transfer for engineers and scientists by Meinhard T. Schobeiri Cham: Springer, 2022. Includes bibliography and index (p.569-584) ISBN: 9783030729240 Subject Terms: Heat - Transmission Mass transfer Thermodynamics Engineering mathematics Tensor analysis 532.5:62 SCH-A 177532; ME Click for more details.
2		Automotive chassis volume 1: components design by Giancarlo Genta and Lorenzo Morello, 2nd Ed., Cham: Springer, 2020. - Mechanical engineering series. Includes index (p. 627-633) ISBN: 9783030356378 Subject Terms: Automotive components Automotive suspensions Steering systems Braking systems Chassis structures Manual gearboxes Vehicular drivelines 629.331 GEN-A 177533; CL Click for more details.
3		Automotive chassis volume 2: system design by Giancarlo Genta and Lorenzo Morello, 2nd ed., Cham: Springer, 2020. - Mechanical engineering series. Includes bibliography and index (p. 953-962) ISBN: 9783030357115 Subject Terms: Transportation statistics Vehicle specifications Vehicular chassis Passive safety Oversteering vehicle Active suspensions Braking control systems 629.331 GEN-A 177534; CL Click for more details.

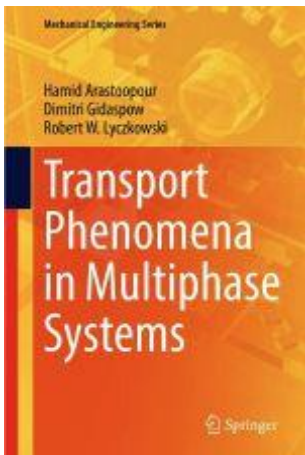
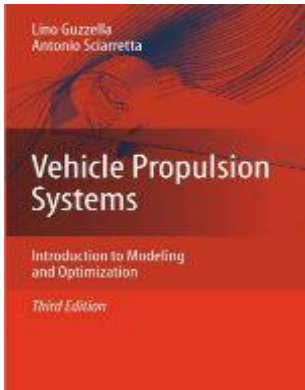
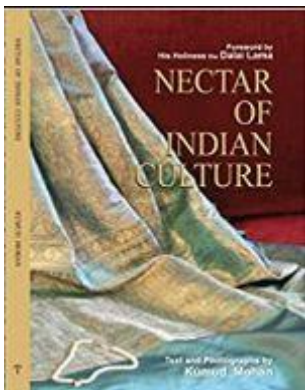
4		Convective heat transfer in porous media edited By Yasser Mahmoudi, Kamel Hooman and Kambiz Vafai Boca Raton: CRC Press, 2020. - Energy systems: from design to management. Includes index (p. 377-381) ISBN: 9780367030803 Subject Terms: Fluid flow Fuel cells Solar systems Porous burners Cooling in aerospace 536.2 -CON 177550; ME Click for more details.
5		Fluid dynamics fundamentals and applications by Guido Visconti and Paolo Ruggieri Cham: Springer, 2020. Includes bibliography and index (p. 323-326) ISBN: 9783030495640 Subject Terms: Vorticity Aerodynamics Geophysics Mathematics in geophysics Numerical environmental determinants 532.5 VIS-F 177478; 177491; CL; ME Click for more details.
6		Fluid mechanics for cardiovascular engineering a primer by Gianni Pedrizzetti Cham: Springer, 2022. Includes bibliography and index (p.229-232) ISBN: 9783030859428 Subject Terms: Fluid statics Fluid kinematics Fluid dynamics Conservation of momentum Cardiac mechanics 532.5:612.17 PED -F 177448; CL Click for more details.

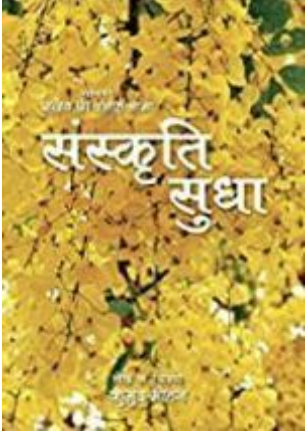
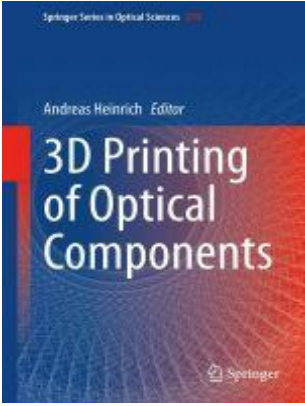
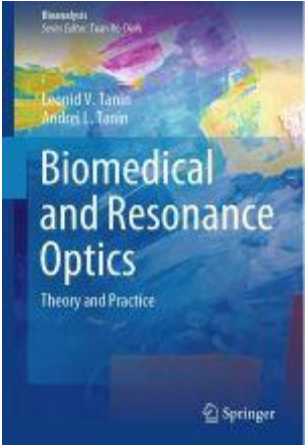
7		Fluid mechanics of viscoplasticity by Raja R. Huilgol and Georgios C. Georgiou, 2nd ed., Cham: Springer, 2022. Includes bibliography and index (p.387-392) ISBN: 9783030985028 Subject Terms: Fluid flow Continuum mechanics Lattice boltzmann models Viscoplastic fluids Laplace transform Poiseuille flow 532:531.38 HUI-F 177449; CL Click for more details.
8		Fundamentals of gas dynamics by Mrinal KaushikSinagapore: Springer, 2022. Includes bibliography and index (p. 577-583) ISBN: 9789811690846 Subject Terms: Gas kinetics Thermodynamics Compressible flows Sound wave Wave phenomena 533.6.011 KAU-F 177536; CL Click for more details.
9		Fundamentals of thermodynamics by John H. S. Lee and K. RamamurthiBoca Raton: CRC Press, 2022. Includes index (p. 145-148) ISBN: 9781032123004 Subject Terms: Molecular mass Empirical temperature Quasi-static process Heat capacity Reversible work 536.7 LEE-F 177476; CL Click for more details.
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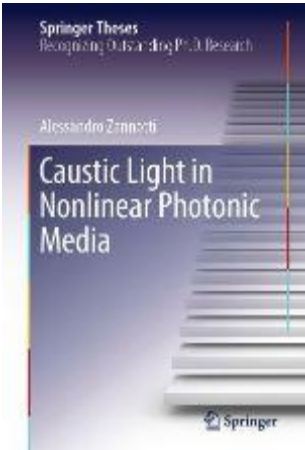
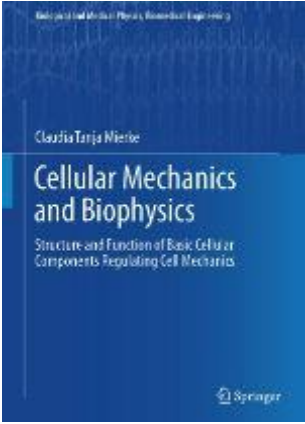
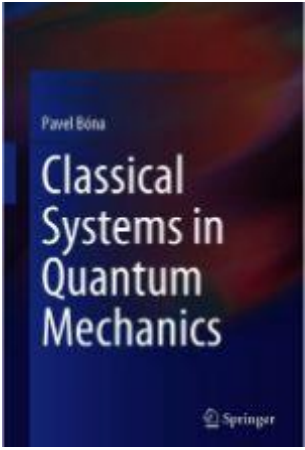
10		Gears by Vincenzo Vullo volume 1: geometric and kinematic design Cham: Springer, 2020. - Springer series in solid and structural mechanics. Includes index (p. 827-844) ISBN: 9783030365042 Subject Terms: Gearing Machine design theory Spur gears Helical gears Bevel gears Worm gears 62-233.3/.9 VUL-G 177568; CL Click for more details.
11		Gears by Vincenzo Vullo volume 2: analysis of load carrying capacity and strength design Cham: Springer, 2020. - Springer series in solid and structural mechanics. includes index (p. 605-623) ISBN: 9783030386344 Subject Terms: Load carrying capacity Helical gears Spur gears Bevel gears Cylindrical gears Kinematics 62-233.3/.9 VUL-G 177569; CL Click for more details.
12		Mechanical behavior of materials fundamentals, analysis, and calculations by Zainul Huda Cham: Springer, 2022. - Mechanical engineering series. Includes index (p. 287-295) ISBN: 9783030849269 Subject Terms: Stress Strain Elasticity Statics Solid mechanics 620.17 HUD-M 177413; CL Click for more details.
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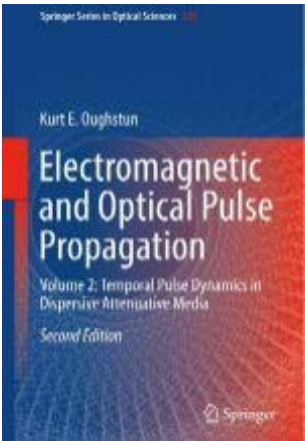
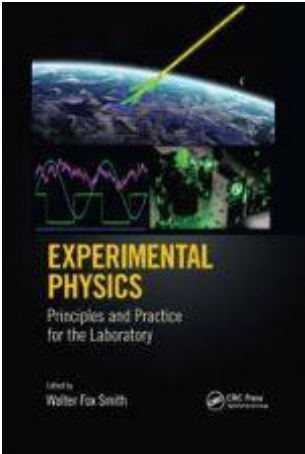
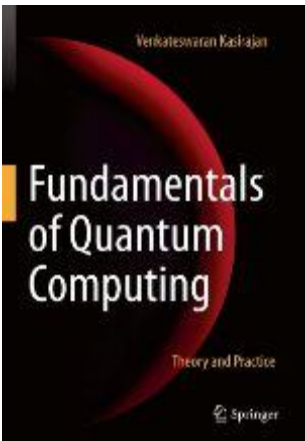
13		Principles of fluid mechanics fundamentals, statics and dynamics of fluids by Jürgen Zierep and Karl Bühler Wiesbaden: Springer, 2022. Includes bibliography and index (p.233-237) ISBN: 9783658348113 Subject Terms: Hydrostatic Aerodynamics Angular momentum theorem Boundary layer theory Turbulent flow 532.5 ZIE-P 177467; CL Click for more details.
14		Radiation heat transfer modelling with computational fluid dynamics by Yehuda Sinai Boca Raton: CRC Press, 2022. Includes bibliography and index (p.157-179) ISBN: 9780367766115 Subject Terms: Thermal radiation Radiative transfer equation Modelling Quality assurance Semi-Transparent 536.2:532.5 SIN-R 177477; CL Click for more details.
15		Sturge's statistical and thermal physics by Jeffrey Olafsen, 2nd ed., Boca Raton: CRC Press, 2021. Includes bibliography and index (p. 391-405) ISBN: 9780367779498 Subject Terms: Temperature Heat engines Thermodynamics Canonical distribution Perfect gases Biological systems 536.75 OLA-S 177427; ME Click for more details.

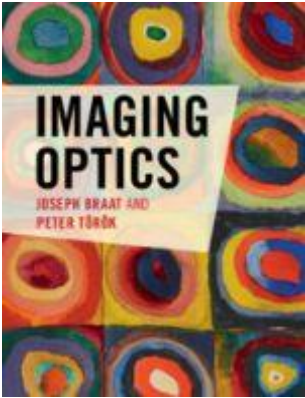
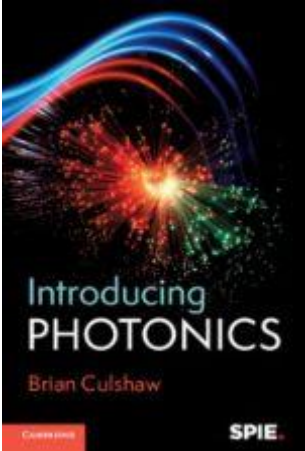
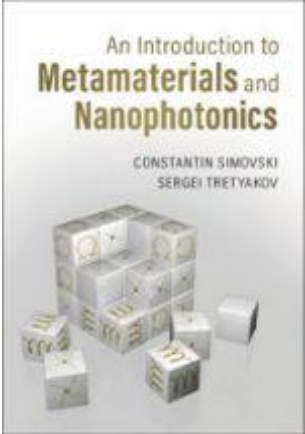
16		Theory of gearing kinematics, geometry, and synthesis by Stephen P. Radzevich, 2nd ed., Boca Raton: CRC Press, 2018. Includes bibliography and index (p. 877-898) ISBN: 9781138585553 Subject Terms: Gear pair Noninvolute gearing R-Gearing Noncircular gears Generic gear shapes Gear noise and vibration 621.83 RAD-T 177447; CL Click for more details.
17		Thermodynamics basic principles and engineering applications by Alan M. Whitman Cham: Springer, 2020. - Mechanical engineering series. Includes bibliography and index (p. 315-320) ISBN: 9783030252236 Subject Terms: Thermodynamics First law Thermal science Heating and refrigeration Thermodynamic efficiency 536.7 WHI-T 177468; CL Click for more details.
18		Thermodynamics, gas dynamics, and combustion by Henry Clyde Foust III Cham: Springer, 2022. Includes index (p. 395-402) ISBN: 9783030873868 Subject Terms: Ideal gas law Linear interpolation Entropy Heat engines Gaseous flow Euler's equation Gas dynamics 536.7 FOU-T 177414; 177469; CL; ME Click for more details.
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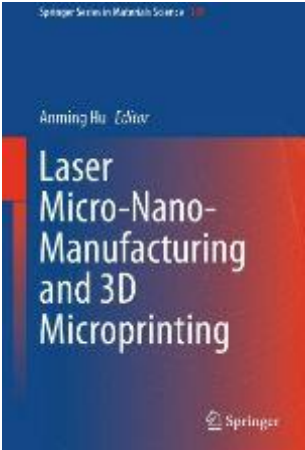
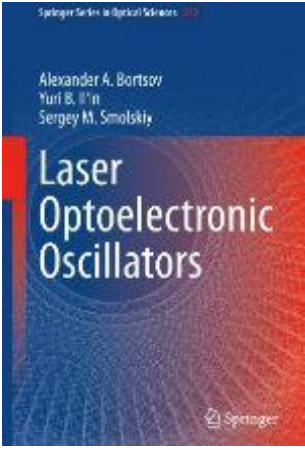
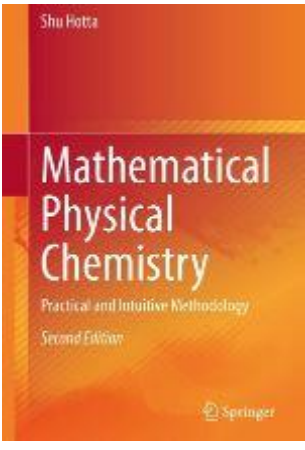
19		Transport phenomena in multiphase systems by Hamid Arastoopour, Dimitri Gidaspow and Robert W. Lyczkowski Cham: Springer, 2022. - Mechanical engineering series. Includes bibliography and index (p.357-369) ISBN: 9783030685775 Subject Terms: Silane production Volcanic eruptions Wind turbine Hydrodynamics Pharmaceutical processes 544.62:544.014 ARA-T 177470; ME Click for more details.
20		Vehicle propulsion systems introduction to modeling and optimization by Lino Guzzella, 3rd ed., Heidelberg: Springer, 2013. Includes bibliography and index (p.381-409) ISBN: 9783642438479 Subject Terms: Vehicle energy Fuel consumption Electric motors Electric power links Fuel cell 629.03 GUZ-V 177466; CL Click for more details.
Sr. No.	National Resource Centre for Value Education in Engineering	
1		Nectar of Indian culture by Kumud Mohan New Delhi: Culture India, 2012. ISBN: 9788191027938 Subject Terms: Romance - Old Dance of the storyteller Scholarly river Royal raiment Lovely laburnum Karma bhoomi 008(540) MOH-N 177422; CL Click for more details.

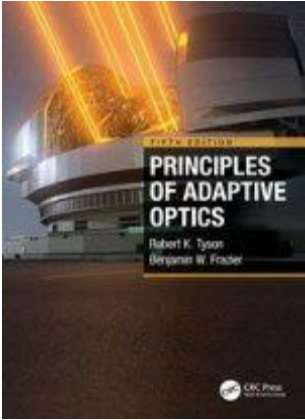
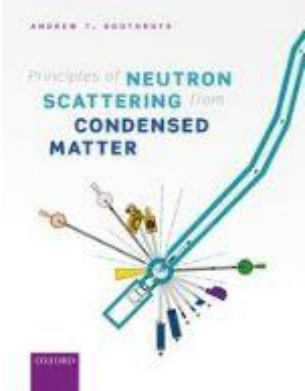
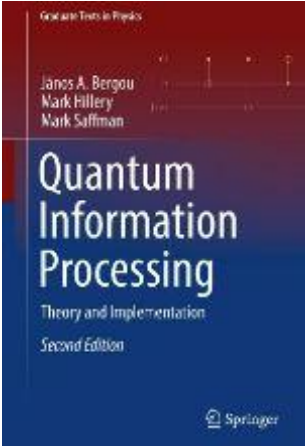
2		Sanskriti sudha (संस्कृति सुधा) by Kumud Mohan New Delhi: Culture India, 2018. ISBN: 9788191027945 Subject Terms: Cultural history-India Dance-India Archeology-India Musical Instruments-India Festivals-India Art-India H 008(540) MOH-S 177423; CL Click for more details.
Sr. No.	Physics	
1		3D printing of optical components edited by Andreas Heinrich Cham: Springer, 2021. - Springer series in optical sciences. ISBN: 9783030589592 Subject Terms: Photopolymerization Macroscopic optics Reflector array Reflective optics Liquid lenses 535.8 -THR 177461; CL Click for more details.
2		Biomedical and resonance optics by Leonid V. Tanin and Andrei L. Tanin theory and practice Cham: Springer, 2021. - Bioanalysis: advanced materials, methods, and devices. Includes bibliography and index (p. 513-518) ISBN: 9783030607722 Subject Terms: Dyanmic holography Holography microscopy Laser radiation Muscle tissue Laser hemotherapy 535:57.089 TAN-B 177462; CL Click for more details.
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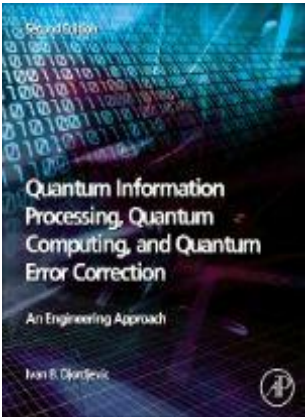
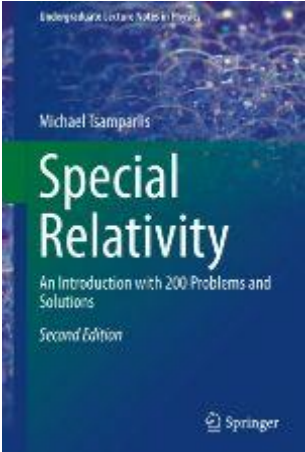
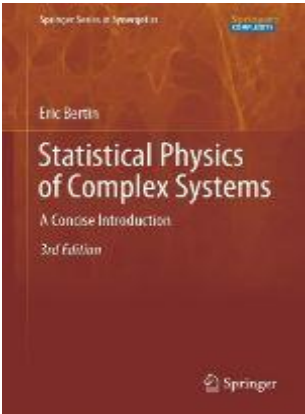
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5		Classical systems in quantum mechanics by Pavel BonaCham: Springer, 2020. Includes bibliography and index (p. 215-234) ISBN: 9783030450694 Subject Terms: Classical mechanical Mathematical structure Macroscopic limits Quantum measurement Quantum physics 530.145 BON-C 177459; CL Click for more details.
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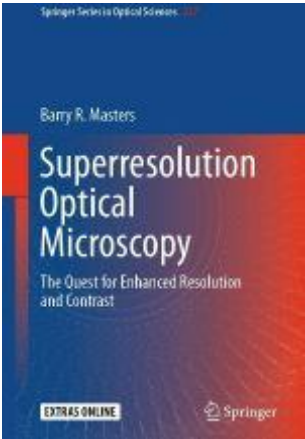
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7		Experimental physics principles and practice for the laboratory edited by Walter Fox Smith Boca Raton: CRC Press, 2022. Includes bibliography and index (p. 431-437) ISBN: 9781032336657 Subject Terms: Scientific ethics Tools of an experimentalist Analog electronics Experiments with computers Digital electronics Data acquisition Laser beams 53:167.23 -EXP 177418; CL Click for more details.
8		Fundamentals of quantum computing theory and practice by Venkateswaran Kasirajan Cham: Springer, 2021. Includes index (p. 457-463) ISBN: 9783030636913 Subject Terms: Quantum information systems Qubits modalities Quantum algorithms Quantum supremacy Quantum communications Quantum entanglement 530.145:681.3 KAS-F 177460; PH Click for more details.
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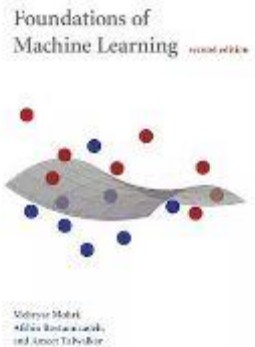
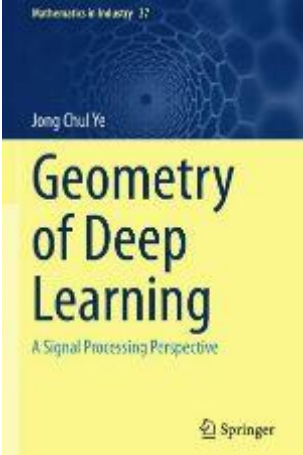
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10		Introducing photonics by Brian CulshawCambridge: Cambridge University Press, 2020. Includes bibliography and index (p.161-163) ISBN: 9781316609415 Subject Terms: Optical absorption Light emission Optical wevelength Photonic tools Nanophotonics Optical tweezers Plasmonics 535.14 CUL-I 177451; CL Click for more details.
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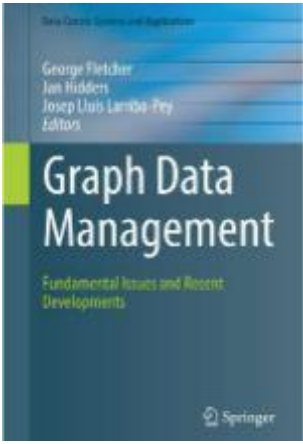
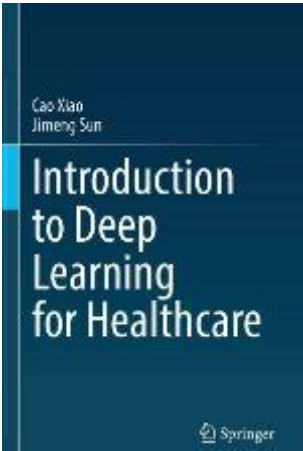
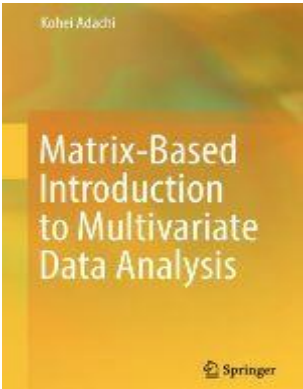
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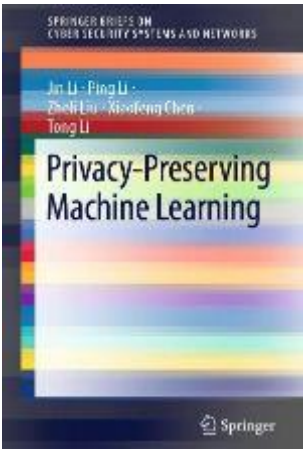
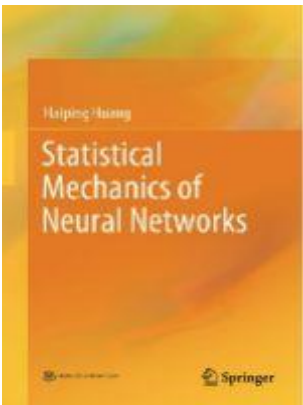
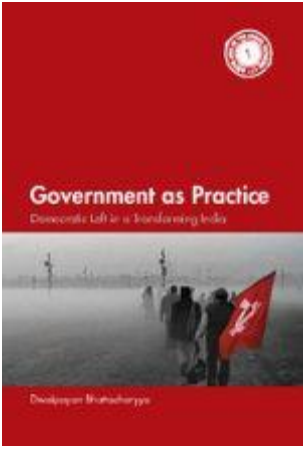
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16		Principles of neutron scattering from condensed matter by Andrew T. Boothroyd Oxford: Oxford University Press, 2020. Includes index (p. 487-491) ISBN: 9780198862314 Subject Terms: Static approximation Kinematical theory Interaction potential Nuclear scattering Magnetic scattering Neutron optics 538.9 BOO-P 177426; CL Click for more details.
17		Quantum information processing theory and implementation by Janos A. Bergou, Mark Hillery and Mark Saffman, 2nd ed., Cham: Springer, 2021. - Graduate texts in physics. Includes index (p. 303-305) ISBN: 9783030754389 Subject Terms: Density matrix Entanglement Quantum measurement theory Quantum cryptography Quantum machines Atomic qubits Optical qubits 530.145:621.391 BER- Q 177516; CL Click for more details.
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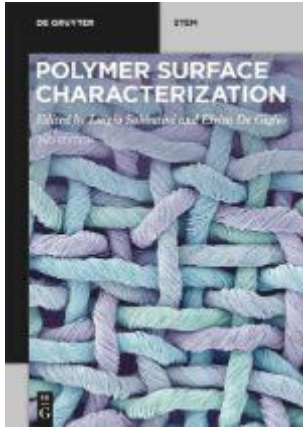
18		Quantum information processing, quantum computing, and quantum error correction an engineering approach by Ivan B. Djordjevic, 2nd ed., London: Elsevier, 2021. Includes index (p. 803-815) ISBN: 9780128219829 Subject Terms: Quantum mechanics Quantum circuits Information theory Quantum algorithms Fault-tolerant quantum error-correction Quantum machine learning 537.533:530.145 DJO-Q 177416; PH Click for more details.
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21		Superresolution optical microscopy the quest for enhanced resolution and contrast by Barry R. MastersCham: Springer, 2020. - Springer series in optical sciences. Includes index (p. 399-403) ISBN: 9783030216900 Subject Terms: Nondiffractive beams Nonlinear light microscopy Resolution in microscopy Contrast in microscopy Aberrations in microscopy Molecular spectroscopy Biological microscopy 53.086 MAS-S 177543; CL Click for more details.
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Sr. No.	School of Artificial Intelligence	
1		Artificial intelligence and machine learning in healthcare edited by Ankur Saxena and Shivani ChandraSingapore: Springer, 2021. ISBN: 9789811608100 Subject Terms: Cancer diagnosis Clinical decision Mycobacterial diseases Biological and health care Drug discovery 681.3 -ART 177441; CL Click for more details.

2		Foundations of machine learning by Mehryar Mohri, Afshin Rostamizadeh and Ameet Talwalkar, 2nd ed., Cambridge: MIT Press, 2018. - Adaptive computation and machine learning. Includes bibliographical references and index (p.461-486) ISBN: 9780262039406 Subject Terms: Computer algorithms PAC learning model Rademacher complexity Information theory Margin theory Convex optimization Game-theoretic connection 681.3 MOH-F 177573; SAI Click for more details.
3		Fundamentals of pattern recognition and machine learning by Ulisses Braga-Neto Cham: Springer, 2020. Includes bibliography and index (p. 335-357) ISBN: 9783030276584 Subject Terms: Classification Regression Clustering Error estimation Neural networks Gaussian process 681.3 BRA-F 177572; 177574; CL; SAI Click for more details.
4		Geometry of deep learning a signal processing perspective by Jong Chul Ye Singapore: Springer, 2022. - Mathematics in industry. Includes bibliography and index (p.317-330) ISBN: 9789811660450 Subject Terms: Machine learning Artificial neural network Graph embedding Biological neural network Graph neural network 681.3 YE-G 177442; CL Click for more details.

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6		Introduction to deep learning for healthcare by Cao Xiao and Jimeng SunCham: Springer, 2021. Includes bibliography and index (p. 223-232) ISBN: 9783030821838 Subject Terms: Deep neural networks Clinical predictive model Autoencoder Drug discovery Embedding methods Memory networks Generative models 681.3:61 XIA-A 177535; SAI Click for more details.
7		Matrix-based introduction to multivariate data analysis by Kohei Adachi, 2nd ed., Singapore: Springer, 2020. Includes bibliography and index (p.443-457) ISBN: 9789811541056 Subject Terms: Regression analysis Cluster analysis Confirmatory factor analysis Rotation techniques Discriminant analysis 519.24:681.3 ADA-M 177444; CL Click for more details.
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8		Privacy-preserving machine learning by Jin Li... (et al.)Singapore: Springer, 2022. - Springer briefs on cyber security systems and networks. ISBN: 9789811691386 Subject Terms: Deep learning Differential privacy Image processing Threat model Training dataset 681.3 -PRI 177445; CL Click for more details.
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Sr. No.	School of Public Policy	
1		Government as practice democratic left in a transforming India by Dwaipayan BhattacharyyaNew Delhi: Cambridge University Press, 2016. Includes bibliography and index (p. 241-273) ISBN: 9781107102262 Subject Terms: Land reforms Party society Local governance Electability Local governance 329.055(540) BHA-G 177566-177567; CL; SPP Click for more details.

Sr. No.		Textile and Fibre Engineering	
1		Green chemistry for surface coatings, inks and adhesives sustainable applications edited by Rainer Hofer, Avtar Singh Matharu and Zhanrong Zhang London: Royal Society of Chemistry, 2019. - Green chemistry series. Includes bibliography and index (p. 419-430) ISBN: 9781782629948 Subject Terms: Biorefineries Bioeconomies Synthetic polymers Molecular design Biological adhesives Biosilicate binders Natural oil polyols 621.794.5:544.7 -GRE 177524; CL Click for more details.	
2		Polymer surface characterization edited by Luigia Sabbatini and Elvira De Giglio, 2nd ed., Berlin: De Gruyter, 2022. Includes index (p. 385-391) ISBN: 9783110701043 Subject Terms: Microscopy-Polymers Spectroscopic ellipsometry Nanoindentation Classification and nomenclature Thin films 678.86:544.7 -POL 177421; 177517; CL; TT Click for more details.	
3		Surface characterization techniques from theory to research by Rawesh Kumar Berlin: De Gruyter, 2022. Includes bibliography and index (p.193-198) ISBN: 9783110655995 Subject Terms: Surface area Porosity Harmonic oscillator Electron microscopy Spectroscopy 620.179.11 RAW-S 177518; CL Click for more details.	

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