Physics								
S.No.	Contributors	Title	Product Category	Year	URL	ISBN_EBOOK	SUBJECTS	IEP EUR PRICE
1	Mauro F. Pereira; Oleksiy Shulika	THz for CBRN and Explosives Detection and Diagnosis	Proceedings	2017	http://link.springer.com/978-94-024-1093-8	978-94-024-1093-8	Spectroscopy and Microscopy Spectroscopy/Spectrometry Security Science and Technology Measurement Science and Instrumentation	179.98
2	Amparo Alonso-Betanzos; Noelia Sánchez-Maroño; Oscar Fontenla-Romero; J. Gary Polhill; Tony Craig; Javier Bajo; Juan Manuel Corchado	Agent-Based Modeling of Sustainable Behaviors	Monograph	2017	http://link.springer.com/978-3-319-46331-5	978-3-319-46331-5	Computational Social Sciences Game Theory, Economics, Social and Behav. Sciences Organizational Studies, Economic Sociology Artificial Intelligence Sustainable Development	179.98
3	Pavel Polynkin; Ya Cheng	Air Lasing	Monograph	2018	http://link.springer.com/978-3-319-65220-7	978-3-319-65220-7	Optics, Lasers, Photonics, Optical Devices Spectroscopy/Spectrometry Atmospheric Sciences Classical Electrodynamics Remote Sensing/Photogrammetry Atoms and Molecules in Strong Fields, Laser Matter Interaction	179.98
4	Sergey Lukashov; Alexander Petrov; Anatoly Pravilov	The Iodine Molecule	Monograph	2018	http://link.springer.com/978-3-319-70072-4	978-3-319-70072-4	Atomic/Molecular Structure and Spectra Spectroscopy/Spectrometry Spectroscopy and Microscopy	169.98
5	Michele Cini	Elements of Classical and Quantum Physics	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-319-71330-4	978-3-319-71330-4	Quantum Physics Classical Mechanics Thermodynamics	389

6	Amitabha Ghosh	Conceptual Evolution of Newtonian and Relativistic Mechanics	Undergraduate textbook	2018	http://link.springer.com/978-981-10-6253-7	978-981-10-6253-7	Classical Mechanics Theoretical and Applied Mechanics Mechanical Engineering History of Science History and Philosophical Foundations of Physics	389
7	Albert P. Philipse	Brownian Motion	Undergraduate textbook	2018	http://link.springer.com/978-3-319-98053-9	978-3-319-98053-9	Soft and Granular Matter, Complex Fluids and Microfluidics Physical Chemistry Thermodynamics Fluid- and Aerodynamics	389
8	Sho Sugiura	Formulation of Statistical Mechanics Based on Thermal Pure Quantum States	Monograph	2017	http://link.springer.com/978-981-10-1506-9	978-981-10-1506-9	Quantum Physics Complex Systems Quantum Gases and Condensates Strongly Correlated Systems, Superconductivity Statistical Physics and Dynamical Systems	179.98
9	Giovanni Landi; Alessandro Zampini	Linear Algebra and Analytic Geometry for Physical Sciences	Undergraduate textbook	2018	http://link.springer.com/978-3-319-78361-1	978-3-319-78361-1	Mathematical Methods in Physics Linear and Multilinear Algebras, Matrix Theory Mathematical and Computational Engineering Geometry Math Applications in Computer Science Mathematical Applications in the Physical Sciences	389
10	George Rawitscher; Victo dos Santos Filho; Thiago Carvalho Peixoto	An Introductory Guide to Computational Methods for the Solution of Physics Problems	Monograph	2018	http://link.springer.com/978-3-319-42703-4	978-3-319-42703-4	Numerical and Computational Physics, Simulation Spectroscopy and Microscopy Strongly Correlated Systems, Superconductivity Atomic/Molecular Structure and Spectra	159.98

11	Rajdeep Singh Rawat	Plasma Science and Technology for Emerging Economies	Monograph	2017	http://link.springer.com/978-981-10-4217-1	978-981-10-4217-1	Plasma Physics Tribology, Corrosion and Coatings Renewable and Green Energy Societal Aspects of Physics, Outreach and Education Engineering Fluid Dynamics	478
12	Michael Ashkenazi	What We Know About Extraterrestrial Intelligence	Monograph	2017	http://link.springer.com/978-3-319-44456-7	978-3-319-44456-7	Astrobiology Anthropology Evolutionary Biology Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	199.98
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14	Karen Yeats	A Combinatorial Perspective on Quantum Field Theory	Brief	2017	http://link.springer.com/978-3-319-47551-6	978-3-319-47551-6	Quantum Field Theories, String Theory Mathematical Physics Discrete Mathematics	109.98
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19	Erik Seedhouse	Mars One	General interest	2017	http://link.springer.com/978-3-319-44497-0	978-3-319-44497-0	Popular Science in Technology Aerospace Technology and Astronautics Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Project Management	59.98
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22	Charles K. Chui; Guanrong Chen	Kalman Filtering	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-47612-4	978-3-319-47612-4	Mathematical Methods in Physics Numerical and Computational Physics, Simulation Economic Theory/Quantitative Economics/Mathematical Methods Mathematical and Computational Engineering Communications Engineering, Networks Artificial Intelligence	389
23	Dietrich Stauffer; H. Eugene Stanley; Annick Lesne	From Newton to Mandelbrot	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-662-53685-8	978-3-662-53685-8	Theoretical, Mathematical and Computational Physics Complex Systems Elementary Particles, Quantum Field Theory Solid State Physics Classical Mechanics Classical Electrodynamics	389

24	Klaus Lüders; William D. Brewer; Robert O. Pohl	Pohl's Introduction to Physics	Undergraduate textbook	2018	http://link.springer.com/978-3-319-50269-4	978-3-319-50269-4	Classical Electrodynamics Applied and Technical Physics	389
25	Heinz Kalt; Claus F. Klingshirn	Semiconductor Optics 1	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-24152-0	978-3-030-24152-0	Optics, Lasers, Photonics, Optical Devices Semiconductors Optical and Electronic Materials Microwaves, RF and Optical Engineering Solid State Physics	389
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29	Hans Joachim Eichler; Jürgen Eichler; Oliver Lux	Lasers	Monograph	2018	http://link.springer.com/978-3-319-99895-4	978-3-319-99895-4	Optics, Lasers, Photonics, Optical Devices Optical and Electronic Materials Microwaves, RF and Optical Engineering Classical Electrodynamics Spectroscopy/Spectrometry	259.98
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49	Alexander Piel	Plasma Physics	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-63427-2	978-3-319-63427-2	Plasma Physics Astrophysics and Astroparticles Low Temperature Physics	389
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57	Mildred Dresselhaus; Gene Dresselhaus; Stephen B. Cronin; Antonio Gomes Souza Filho	Solid State Properties	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-662-55922-2	978-3-662-55922-2	Solid State Physics Nanoscale Science and Technology Optical and Electronic Materials Low Temperature Physics Optics, Lasers, Photonics, Optical Devices Nanotechnology and Microengineering	389
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63	Friedrich Jegerlehner	The Anomalous Magnetic Moment of the Muon	Monograph	2017	http://link.springer.com/978-3-319-63577-4	978-3-319-63577-4	Particle and Nuclear Physics Quantum Field Theories, String Theory	239.98
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65	Wolfgang Demtröder	Atoms, Molecules and Photons	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-662-55523-1	978-3-662-55523-1	Atomic, Molecular, Optical and Plasma Physics Quantum Physics Classical Electrodynamics	389
66	Wolfgang Demtröder	Electrodynamics and Optics	Undergraduate textbook	2019	http://link.springer.com/978-3-030-02291-4	978-3-030-02291-4	Classical Electrodynamics Optics, Lasers, Photonics, Optical Devices Microwaves, RF and Optical Engineering	389
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148	Mukund Rangamani; Tadashi Takayanagi	Holographic Entanglement Entropy	Monograph	2017	http://link.springer.com/978-3-319-52573-0	978-3-319-52573-0	Quantum Field Theories, String Theory Condensed Matter Physics Quantum Information Technology, Spintronics Mathematical Physics	89.98

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168	Angelo Pio Rossi; Stephan van Gasselt	Planetary Geology	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-319-65179-8	978-3-319-65179-8	Planetology Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Astrobiology Geophysics and Environmental Physics	389
169	Michiharu Wada; Peter Schury; Yuichi Ichikawa	TCP 2014	Proceedings	2017	http://link.springer.com/978-3-319-61588-2	978-3-319-61588-2	Particle and Nuclear Physics Quantum Information Technology, Spintronics	219.98
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182	Andrey V. Solov'yov	Nanoscale Insights into Ion-Beam Cancer Therapy	Monograph	2017	http://link.springer.com/978-3-319-43030-0	978-3-319-43030-0	Medical and Radiation Physics Cancer Research Nanoscale Science and Technology Nuclear Physics, Heavy Ions, Hadrons Nanochemistry Biological and Medical Physics, Biophysics	319.98

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185	Paul J. Nahin	Time Machine Tales	General interest	2017	http://link.springer.com/978-3-319-48864-6	978-3-319-48864-6	Popular Science in Physics Popular Science in Philosophy Philosophy of Science History and Philosophical Foundations of Physics Classical and Quantum Gravitation, Relativity Theory	39.98
186	Robert W. Boyd; Svetlana G. Lukishova; Victor N. Zadkov	Quantum Photonics: Pioneering Advances and Emerging Applications	Monograph	2019	http://link.springer.com/978-3-319-98402-5	978-3-319-98402-5	Quantum Optics Optics, Lasers, Photonics, Optical Devices Classical Electrodynamics Optical and Electronic Materials	279.98
187	Hiroyuki Fujiwara; Robert W. Collins	Spectroscopic Ellipsometry for Photovoltaics	Monograph	2018	http://link.springer.com/978-3-319-75377-5	978-3-319-75377-5	Optics, Lasers, Photonics, Optical Devices Optical and Electronic Materials Microwaves, RF and Optical Engineering Renewable and Green Energy	438
188	Sergey Samarin; Oleg Artamonov; Jim Williams	Spin-Polarized Two-Electron Spectroscopy of Surfaces	Monograph	2018	http://link.springer.com/978-3-030-00657-0	978-3-030-00657-0	Solid State Physics Surfaces and Interfaces, Thin Films Spectroscopy and Microscopy Surface and Interface Science, Thin Films Measurement Science and Instrumentation	219.98
189	Shi Nguyen-Kuok	Theory of Low-Temperature Plasma Physics	Monograph	2017	http://link.springer.com/978-3-319-43721-7	978-3-319-43721-7	Plasma Physics Numerical and Computational Physics, Simulation Mathematical Applications in the Physical Sciences	279.98

190	Linda Dawson	The Politics and Perils of Space Exploration	General interest	2017	http://link.springer.com/978-3-319-38813-7	978-3-319-38813-7	Popular Science in Technology R & D/Technology Policy Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics	59.98
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192	Isabelle Sochet	Blast Effects	Monograph	2018	http://link.springer.com/978-3-319-70831-7	978-3-319-70831-7	Fluid- and Aerodynamics Engineering Thermodynamics, Heat and Mass Transfer Aerospace Technology and Astronautics Safety in Chemistry, Dangerous Goods	159.98
193	Paul R. Berman	Introductory Quantum Mechanics	Undergraduate textbook	2018	http://link.springer.com/978-3-319-68598-4	978-3-319-68598-4	Quantum Physics Elementary Particles, Quantum Field Theory Mathematical Applications in the Physical Sciences Classical Mechanics	389
194	Stuart Raby	Supersymmetric Grand Unified Theories	Monograph	2017	http://link.springer.com/978-3-319-55255-2	978-3-319-55255-2	Quantum Field Theories, String Theory Elementary Particles, Quantum Field Theory Mathematical Applications in the Physical Sciences Mathematical Methods in Physics	139.98
195	Fuxue Zhang; Wei Zhang; Guosheng Wang	Non-driven Micromechanical Gyroscopes and Their Applications	Monograph	2018	http://link.springer.com/978-3-662-54045-9	978-3-662-54045-9	Measurement Science and Instrumentation Nanotechnology and Microengineering Vibration, Dynamical Systems, Control Mechatronics	239.98

196	Tatiana K. Rostovtseva	Molecular Basis for Mitochondrial Signaling	Monograph	2017	http://link.springer.com/978-3-319-55539-3	978-3-319-55539-3	Biological and Medical Physics, Biophysics Cell Cycle Analysis Apoptosis	219.98
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198	Roberto Aloisio; Eugenio Coccia; Francesco Vissani	Multiple Messengers and Challenges in Astroparticle Physics	Monograph	2018	http://link.springer.com/978-3-319-65425-6	978-3-319-65425-6	Astrophysics and Astroparticles Classical and Quantum Gravitation, Relativity Theory Elementary Particles, Quantum Field Theory	359.98
199	Nikolai B. Melnikov; Boris I. Reser	Dynamic Spin-Fluctuation Theory of Metallic Magnetism	Monograph	2018	http://link.springer.com/978-3-319-92974-3	978-3-319-92974-3	Magnetism, Magnetic Materials Metallic Materials Electrochemistry Quantum Information Technology, Spintronics Solid State Physics	259.98
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201	Pieter Naaijkens	Quantum Spin Systems on Infinite Lattices	Monograph	2017	http://link.springer.com/978-3-319-51458-1	978-3-319-51458-1	Quantum Physics Mathematical Physics Mathematical Methods in Physics Mathematical Applications in the Physical Sciences	69.98

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203	Florian Beye	Chiral Four-Dimensional Heterotic String Vacua from Covariant Lattices	Monograph	2017	http://link.springer.com/978-981-10-0804-7	978-981-10-0804-7	Quantum Field Theories, String Theory Elementary Particles, Quantum Field Theory Mathematical Applications in the Physical Sciences	199.98
204	Kiyoshi Kanazawa	Statistical Mechanics for Athermal Fluctuation	Monograph	2017	http://link.springer.com/978-981-10-6332-9	978-981-10-6332-9	Thermodynamics Complex Systems Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences Mathematical Applications in the Physical Sciences Statistical Physics and Dynamical Systems	199.98
205	Ernesto Altshuler	Guerrilla Science	General interest	2017	http://link.springer.com/978-3-319-51624-0	978-3-319-51624-0	History and Philosophical Foundations of Physics Societal Aspects of Physics, Outreach and Education Popular Science in Physics Popular Life Sciences Condensed Matter Physics Entomology	65.98
206	Márton Karsai; Hang-Hyun Jo; Kimmo Kaski	Bursty Human Dynamics	Brief	2018	http://link.springer.com/978-3-319-68540-3	978-3-319-68540-3	Data-driven Science, Modeling and Theory Building Data Mining and Knowledge Discovery Applications of Nonlinear Dynamics and Chaos Theory Data Structures Communication Studies	109.98
207	Fernando Espinoza	Wave Motion as Inquiry	Undergraduate textbook	2017	http://link.springer.com/978-3-319-45758-1	978-3-319-45758-1	Acoustics Classical Electrodynamics	389

208	Andrei Smilga	Digestible Quantum Field Theory	Monograph	2017	http://link.springer.com/978-3-319-59922-9	978-3-319-59922-9	Elementary Particles, Quantum Field Theory Quantum Field Theories, String Theory Cosmology	99.98
209	Edoardo Lauria; Antoine Van Proeyen	N = 2 Supergravity in D = 4, 5, 6 Dimensions	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-33757-5	978-3-030-33757-5	Quantum Field Theories, String Theory Mathematical Physics Elementary Particles, Quantum Field Theory Classical and Quantum Gravitation, Relativity Theory	389
210	Werner Ebeling; Vladimir E. Fortov; Vladimir Filinov	Quantum Statistics of Dense Gases and Nonideal Plasmas	Monograph	2017	http://link.springer.com/978-3-319-66637-2	978-3-319-66637-2	Statistical Physics and Dynamical Systems Plasma Physics Complex Systems Quantum Physics Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	239.98
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212	Rosa Poggiani	Optical, Infrared and Radio Astronomy	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-44732-2	978-3-319-44732-2	Astronomy, Observations and Techniques Astrophysics and Astroparticles Cosmology	389
213	Rosa Poggiani	High Energy Astrophysical Techniques	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-44729-2	978-3-319-44729-2	Astronomy, Observations and Techniques Astrophysics and Astroparticles	389
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215	Cecilia Flori	A Second Course in Topos Quantum Theory	Monograph	2018	http://link.springer.com/978-3-319-71108-9	978-3-319-71108-9	Quantum Physics Mathematical Physics Mathematical Methods in Physics Mathematical Applications in the Physical Sciences	89.98
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217	Sergey I. Bozhevolnyi; Luis Martin-Moreno; Francisco Garcia-Vidal	Quantum Plasmonics	Monograph	2017	http://link.springer.com/978-3-319-45820-5	978-3-319-45820-5	Optics, Lasers, Photonics, Optical Devices Quantum Optics Semiconductors Microwaves, RF and Optical Engineering Optical and Electronic Materials Nanotechnology and Microengineering	279.98
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219	Jonathan Powell	Cosmic Debris	General interest	2017	http://link.springer.com/978-3-319-51016-3	978-3-319-51016-3	Popular Science in Astronomy Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Planetology Aerospace Technology and Astronautics	65.98

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226	Vinod Kumar Jain; Sunita Rattan; Abhishek Verma	Recent Trends in Materials and Devices	Proceedings	2017	http://link.springer.com/978-3-319-29096-6	978-3-319-29096-6	Nanoscale Science and Technology Optical and Electronic Materials Semiconductors Energy Storage Nanotechnology	538
227	Ahmet Yavuz Oral; Zehra Banu Bahsi Oral	3rd International Multidisciplinary Microscopy and Microanalysis Congress (InterM)	Proceedings	2017	http://link.springer.com/978-3-319-46601-9	978-3-319-46601-9	Spectroscopy and Microscopy Spectroscopy/Spectrometry Biological Microscopy Characterization and Evaluation of Materials Biological and Medical Physics, Biophysics	319.98
228	Albrecht Lindner; Dieter Strauch	A Complete Course on Theoretical Physics	Undergraduate textbook	2018	http://link.springer.com/978-3-030-04360-5	978-3-030-04360-5	Classical Mechanics Thermodynamics Classical Electrodynamics Quantum Physics	389
229	Paul Lecoq; Alexander Gektin; Mikhail Korzhik	Inorganic Scintillators for Detector Systems	Monograph	2017	http://link.springer.com/978-3-319-45522-8	978-3-319-45522-8	Particle Acceleration and Detection, Beam Physics Measurement Science and Instrumentation Materials Engineering Crystallography and Scattering Methods Characterization and Evaluation of Materials Nuclear Medicine	199.98
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231	Sun Kwok	Our Place in the Universe	General interest	2017	http://link.springer.com/978-3-319-54172-3	978-3-319-54172-3	Popular Science in Astronomy Astronomy, Observations and Techniques Cosmology	65.98
232	John Dowden; Wolfgang Schulz	The Theory of Laser Materials Processing	Monograph	2017	http://link.springer.com/978-3-319-56711-2	978-3-319-56711-2	Optics, Lasers, Photonics, Optical Devices Engineering Thermodynamics, Heat and Mass Transfer Metallic Materials Materials Engineering Manufacturing, Machines, Tools, Processes	239.98
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238	Fabio Franchini	An Introduction to Integrable Techniques for One-Dimensional Quantum Systems	Brief	2017	http://link.springer.com/978-3-319-48487-7	978-3-319-48487-7	Mathematical Methods in Physics Mathematical Physics Condensed Matter Physics Algebraic Geometry	99.98
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261	Xin Tu; J. Christopher Whitehead; Tomohiro Nozaki	Plasma Catalysis	Monograph	2019	http://link.springer.com/978-3-030-05189-1	978-3-030-05189-1	Plasma Physics Catalysis Renewable and Green Energy Environmental Engineering/Biotechnology	239.98
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266	David S. Stevenson	Granite Skyscrapers	General interest	2018	http://link.springer.com/978-3-319-91503-6	978-3-319-91503-6	Popular Science in Astronomy Planetology Astrobiology Biogeosciences Cosmology	65.98
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539	Emilio d'Emilio; Luigi E. Picasso	Problems in Quantum Mechanics	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-53267-7	978-3-319-53267-7	Quantum Physics Atomic/Molecular Structure and Spectra	389
540	Henri Poincaré; Bruce D Popp	The Three-Body Problem and the Equations of Dynamics	Monograph	2017	http://link.springer.com/978-3-319-52899-1	978-3-319-52899-1	Dynamical Systems and Ergodic Theory Statistical Physics and Dynamical Systems Astrophysics and Astroparticles History and Philosophical Foundations of Physics Planetary Sciences	169.98
541	Zhongmin Yang; Can Li; Shanhui Xu; Changsheng Yang	Single-Frequency Fiber Lasers	Monograph	2019	http://link.springer.com/978-981-13-6080-0	978-981-13-6080-0	Optics, Lasers, Photonics, Optical Devices Communications Engineering, Networks Microwaves, RF and Optical Engineering	199.98

542	Mikhail Korzhik; Alexander Gektin	Engineering of Scintillation Materials and Radiation Technologies	Proceedings	2017	http://link.springer.com/978-3-319-68465-9	978-3-319-68465-9	Particle Acceleration and Detection, Beam Physics Characterization and Evaluation of Materials Optical and Electronic Materials Spectroscopy and Microscopy Measurement Science and Instrumentation Solid State Physics	259.98
543	Erez Shmueli; Baruch Barzel; Rami Puzis	3rd International Winter School and Conference on Network Science	Proceedings	2017	http://link.springer.com/978-3-319-55471-6	978-3-319-55471-6	Applications of Graph Theory and Complex Networks Simulation and Modeling Computational Social Sciences Data-driven Science, Modeling and Theory Building Computational Biology/Bioinformatics	139.98
544	Boris S. Kerner	Complex Dynamics of Traffic Management	Handbook	2019	http://link.springer.com/978-1-4939-8763-4	978-1-4939-8763-4	Transportation Technology and Traffic Engineering Urban Studies/Sociology Applications of Graph Theory and Complex Networks Transportation Simulation and Modeling Mathematical and Computational Engineering	518
545	Lars Q. English	There Is No Theory of Everything	Monograph	2017	http://link.springer.com/978-3-319-59150-6	978-3-319-59150-6	Applications of Nonlinear Dynamics and Chaos Theory Philosophy of Science History and Philosophical Foundations of Physics Societal Aspects of Physics, Outreach and Education Statistical Physics and Dynamical Systems	113.98

546	Rómulo Antão; Alexandre Mota; Rui Martins; José Tenreiro Machado	Type-2 Fuzzy Logic	Monograph	2017	http://link.springer.com/978-981-10-4633-9	978-981-10-4633-9	Control and Systems Theory Computational Intelligence Artificial Intelligence Information Systems Applications (incl. Internet)	239.98
547	Jaime Punter-Villagrasa; Jordi Colomer-Farrarons; Francisco J. del Campo; Pere Miribel	Amperometric and Impedance Monitoring Systems for Biomedical Applications	Monograph	2017	http://link.springer.com/978-3-319-64801-9	978-3-319-64801-9	Medical and Radiation Physics Circuits and Systems Measurement Science and Instrumentation Biomedical Engineering/Biotechnology Electrochemistry	199.98
548	Dong Soo Lee	Radionanomedicine	Monograph	2018	http://link.springer.com/978-3-319-67720-0	978-3-319-67720-0	Medical and Radiation Physics Radiotherapy Biomaterials Nuclear Chemistry Nanoscale Science and Technology	179.98
549	Sanju Gupta; Avadh Saxena	The Role of Topology in Materials	Monograph	2018	http://link.springer.com/978-3-319-76596-9	978-3-319-76596-9	Solid State Physics Optical and Electronic Materials Physical Chemistry Soft and Granular Matter, Complex Fluids and Microfluidics Nanoscale Science and Technology Polymer Sciences	179.98
550	Shuang Zhou	Lyotropic Chromonic Liquid Crystals	Monograph	2017	http://link.springer.com/978-3-319-52806-9	978-3-319-52806-9	Soft and Granular Matter, Complex Fluids and Microfluidics Organic Chemistry Biological and Medical Physics, Biophysics Fluid- and Aerodynamics	179.98
551	Gabriella Bernardi; Alberto Vecchiato	Understanding Gaia	General interest	2019	http://link.springer.com/978-3-030-11449-7	978-3-030-11449-7	Popular Science in Astronomy Cosmology Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	49.98

552	Jaroslav Zamastil; Jakub Benda; Tereza Uhlírová	Quantum Mechanics and Electrodynamics	Monograph	2017	http://link.springer.com/978-3-319-65780-6	978-3-319-65780-6	Quantum Physics Atomic/Molecular Structure and Spectra Mathematical Methods in Physics Low Temperature Physics Spectroscopy and Microscopy	199.98
553	Oliver James Pike	Particle Interactions in High-Temperature Plasmas	Monograph	2017	http://link.springer.com/978-3-319-63447-0	978-3-319-63447-0	Plasma Physics Astrophysics and Astroparticles Particle Acceleration and Detection, Beam Physics	179.98
554	Carlos Maña	Probability and Statistics for Particle Physics	Monograph	2017	http://link.springer.com/978-3-319-55738-0	978-3-319-55738-0	Particle and Nuclear Physics Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences Mathematical Methods in Physics	159.98
555	Walter Dittrich; Martin Reuter	Classical and Quantum Dynamics	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-58298-6	978-3-319-58298-6	Quantum Physics Classical and Continuum Physics Mathematical Applications in the Physical Sciences Particle and Nuclear Physics	389
556	Antonio Saggion; Rossella Faraldo; Matteo Pierno	Thermodynamics	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-26976-0	978-3-030-26976-0	Thermodynamics Physical Chemistry Engineering Thermodynamics, Heat and Mass Transfer Low Temperature Physics Phase Transitions and Multiphase Systems Complexity	389
557	Mark Edelman; Elbert E. N. Macau; Miguel A. F. Sanjuan	Chaotic, Fractional, and Complex Dynamics: New Insights and Perspectives	Monograph	2018	http://link.springer.com/978-3-319-68109-2	978-3-319-68109-2	Applications of Nonlinear Dynamics and Chaos Theory Vibration, Dynamical Systems, Control Statistical Physics and Dynamical Systems Complexity	199.98

558	Bruno Gonçalves; Ronaldo Menezes; Roberta Sinatra; Vinko Zlatic	Complex Networks VIII	Proceedings	2017	http://link.springer.com/978-3-319-54241-6	978-3-319-54241-6	Applications of Graph Theory and Complex Networks Computational Social Sciences Computational Intelligence Artificial Intelligence Complexity	219.98
559	James D. Patterson; Bernard C. Bailey	Solid-State Physics	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-319-75322-5	978-3-319-75322-5	Solid State Physics Optical and Electronic Materials Microwaves, RF and Optical Engineering Semiconductors Mathematical Methods in Physics	389
560	Md. Naimuddin	XXII DAE High Energy Physics Symposium	Proceedings	2018	http://link.springer.com/978-3-319-73171-1	978-3-319-73171-1	Elementary Particles, Quantum Field Theory Particle Acceleration and Detection, Beam Physics Nuclear Physics, Heavy Ions, Hadrons	299.98
561	Frank von Hippel; Masafumi Takubo; Jungmin Kang	Plutonium	General interest	2019	http://link.springer.com/978-981-13-9901-5	978-981-13-9901-5	Popular Science in Physics Popular Science in Energy Nuclear Energy Nuclear Chemistry Societal Aspects of Physics, Outreach and Education	53.98
562	Pieter C. van der Kruit	Jan Hendrik Oort	Biography	2019	http://link.springer.com/978-3-030-17801-7	978-3-030-17801-7	Astronomy, Astrophysics and Cosmology History of Science History and Philosophical Foundations of Physics	199.98
563	Rino Micheloni; Alessia Marelli; Kam Eshghi	Inside Solid State Drives (SSDs)	Monograph	2018	http://link.springer.com/978-981-13-0599-3	978-981-13-0599-3	Solid State Physics Circuits and Systems Computer Hardware	179.98
564	Joshua Chadney	Modelling the Upper Atmosphere of Gas-Giant Exoplanets Irradiated by Low-Mass Stars	Monograph	2017	http://link.springer.com/978-3-319-63351-0	978-3-319-63351-0	Planetary Sciences Atmospheric Sciences Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Astrophysics and Astroparticles	139.98

565	Thanu Padmanabhan; Vasanthi Padmanabhan	The Dawn of Science	General interest	2019	http://link.springer.com/978-3-030-17509-2	978-3-030-17509-2	Popular Science in Physics History and Philosophical Foundations of Physics History of Medicine History of Chemistry History of Biology	65.98
566	Shamik Gupta; Alessandro Campa; Stefano Ruffo	Statistical Physics of Synchronization	Brief	2018	http://link.springer.com/978-3-319-96664-9	978-3-319-96664-9	Statistical Physics and Dynamical Systems Complexity Mathematical Physics	109.98
567	Anny Cazenave; Nicolas Champollion; Frank Paul; Jérôme Benveniste	Integrative Study of the Mean Sea Level and Its Components	Contributed volume	2017	http://link.springer.com/978-3-319-56490-6	978-3-319-56490-6	Oceanography Coastal Sciences Remote Sensing/Photogrammetry Climatology Climate Change/Climate Change Impacts Climate Change	279.98
568	Mariana Graña; Hagen Triendl	String Theory Compactifications	Brief	2017	http://link.springer.com/978-3-319-54316-1	978-3-319-54316-1	Quantum Field Theories, String Theory Mathematical Applications in the Physical Sciences	109.98
569	Vicente Cortés; Alexander S. Haupt	Mathematical Methods of Classical Physics	Brief	2017	http://link.springer.com/978-3-319-56463-0	978-3-319-56463-0	Classical Mechanics Mathematical Methods in Physics Mathematical Physics	109.98
570	Massimo Villata	The Dark Arrow of Time	General interest	2017	http://link.springer.com/978-3-319-67486-5	978-3-319-67486-5	Popular Science in Physics Elementary Particles, Quantum Field Theory Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Fiction	39.98
571	Lorenzo Bianchini	Selected Exercises in Particle and Nuclear Physics	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-319-70494-4	978-3-319-70494-4	Elementary Particles, Quantum Field Theory Particle Acceleration and Detection, Beam Physics Nuclear Physics, Heavy Ions, Hadrons	389

572	R. K. Tiwari; R. Rekapalli	Modern Singular Spectral-Based Denoising and Filtering Techniques for 2D and 3D Reflection Seismic Data	Monograph	2020	http://link.springer.com/978-3-030-19304-1	978-3-030-19304-1	Geophysics and Environmental Physics Geophysics/Geodesy Noise Control Environmental Management Earth System Sciences Fossil Fuels (incl. Carbon Capture)	219.98
573	Alan F. Chalmers	One Hundred Years of Pressure	Monograph	2017	http://link.springer.com/978-3-319-56529-3	978-3-319-56529-3	History and Philosophical Foundations of Physics History of Mathematical Sciences Philosophy of Science Epistemology Philosophical and Historical Foundations of Science	179.98
574	Lev I. Deych	Advanced Undergraduate Quantum Mechanics	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-319-71550-6	978-3-319-71550-6	Quantum Physics Mathematical Applications in the Physical Sciences Quantum Optics Mathematical Methods in Physics Theoretical and Computational Chemistry Mathematical and Computational Engineering	389
575	Chris D. Geddes	Reviews in Plasmonics 2017	Contributed volume	2019	http://link.springer.com/978-3-030-18834-4	978-3-030-18834-4	Biomedicine, general Nanotechnology Spectroscopy/Spectrometry Nanoscale Science and Technology Surface and Interface Science, Thin Films Metallic Materials	199.98
576	Dong-Sheng Ding	Broad Bandwidth and High Dimensional Quantum Memory Based on Atomic Ensembles	Monograph	2018	http://link.springer.com/978-981-10-7476-9	978-981-10-7476-9	Quantum Optics Quantum Information Technology, Spintronics Information Storage and Retrieval Microwaves, RF and Optical Engineering	179.98

577	Gianpaolo Carosi; Gray Rybka; Karl van Bibber	Microwave Cavities and Detectors for Axion Research	Proceedings	2018	http://link.springer.com/978-3-319-92726-8	978-3-319-92726-8	Particle Acceleration and Detection, Beam Physics Astrophysics and Astroparticles Low Temperature Physics Elementary Particles, Quantum Field Theory	259.98
578	Michael Eckert; David Tigwell	Ludwig Prandtl	Biography	2019	http://link.springer.com/978-3-030-05663-6	978-3-030-05663-6	Fluid- and Aerodynamics History and Philosophical Foundations of Physics Engineering Fluid Dynamics History of Germany and Central Europe	149.98
579	Leiva Casemiro Oliveira; Antonio Marcus Nogueira Lima; Carsten Thirstrup; Helmut Franz Neff	Surface Plasmon Resonance Sensors	Monograph	2019	http://link.springer.com/978-3-030-17486-6	978-3-030-17486-6	Surface and Interface Science, Thin Films Optical and Electronic Materials Optics, Lasers, Photonics, Optical Devices Surfaces and Interfaces, Thin Films	179.98
580	Claus Grupen	Astroparticle Physics	Undergraduate textbook	2020	http://link.springer.com/978-3-030-27339-2	978-3-030-27339-2	Astrophysics and Astroparticles Particle and Nuclear Physics Cosmology Astrobiology Planetary Sciences	389
581	Nizar Abcha; Efim Pelinovsky; Innocent Mutabazi	Nonlinear Waves and Pattern Dynamics	Monograph	2018	http://link.springer.com/978-3-319-78193-8	978-3-319-78193-8	Fluid- and Aerodynamics Applications of Nonlinear Dynamics and Chaos Theory Solid Mechanics Theoretical, Mathematical and Computational Physics	179.98
582	Valerio Bozza; Luigi Mancini; Alessandro Sozzetti	Astrophysics of Exoplanetary Atmospheres	Monograph	2018	http://link.springer.com/978-3-319-89701-1	978-3-319-89701-1	Planetary Sciences Astrophysics and Astroparticles Planetology Spectroscopy/Spectrometry	169.98

583	Guido Fano; S M Blinder	Twenty-First Century Quantum Mechanics: Hilbert Space to Quantum Computers	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-58732-5	978-3-319-58732-5	Quantum Physics Quantum Computing Mathematical Methods in Physics Mathematical Applications in the Physical Sciences History and Philosophical Foundations of Physics	389
584	Kazutaka Nakamura	Quantum Phononics	Monograph	2019	http://link.springer.com/978-3-030-11924-9	978-3-030-11924-9	Quantum Optics Optics, Lasers, Photonics, Optical Devices Microwaves, RF and Optical Engineering Quantum Information Technology, Spintronics Nanotechnology and Microengineering	169.98
585	Clifford J. Cunningham	Investigating the Origin of the Asteroids and Early Findings on Vesta	Monograph	2017	http://link.springer.com/978-3-319-58118-7	978-3-319-58118-7	Astronomy, Observations and Techniques History of Science History and Philosophical Foundations of Physics Planetology Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	279.98
586	Yican Wu	Fusion Neutronics	Monograph	2017	http://link.springer.com/978-981-10-5469-3	978-981-10-5469-3	Nuclear Fusion Nuclear Energy Nuclear Energy	219.98
587	David C. Cassidy	Farm Hall and the German Atomic Project of World War II	General interest	2017	http://link.springer.com/978-3-319-59578-8	978-3-319-59578-8	Popular Science in Physics History of World War II and the Holocaust Nuclear Physics, Heavy Ions, Hadrons Ethics	65.98
588	Simon Širca; Martin Horvat	Computational Methods in Physics	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-319-78619-3	978-3-319-78619-3	Numerical and Computational Physics, Simulation Theoretical and Computational Chemistry Mathematical and Computational Engineering Computational Science and Engineering	389

589	Nikolay Shakura	Accretion Flows in Astrophysics	Monograph	2018	http://link.springer.com/978-3-319-93009-1	978-3-319-93009-1	Astrophysics and Astroparticles Fluid- and Aerodynamics Plasma Physics	179.98
590	Dennis F. Vanderwerf	The Story of Light Science	Undergraduate textbook	2017	http://link.springer.com/978-3-319-64316-8	978-3-319-64316-8	Optics, Lasers, Photonics, Optical Devices Quantum Information Technology, Spintronics Popular Science in Physics History and Philosophical Foundations of Physics Microwaves, RF and Optical Engineering	389
591	Nhan Phan-Thien; Nam Mai-Duy	Understanding Viscoelasticity	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-62000-8	978-3-319-62000-8	Fluid- and Aerodynamics Polymer Sciences Solid Mechanics Soft and Granular Matter, Complex Fluids and Microfluidics Characterization and Evaluation of Materials	389
592	Dario Bercioux; Jérôme Cayssol; Maia G. Vergniory; M. Reyes Calvo	Topological Matter	Monograph	2018	http://link.springer.com/978-3-319-76388-0	978-3-319-76388-0	Strongly Correlated Systems, Superconductivity Solid State Physics Characterization and Evaluation of Materials Theoretical and Computational Chemistry Nanoscale Science and Technology Quantum Physics	179.98
593	Nicolae Herisanu; Vasile Marinca	Acoustics and Vibration of Mechanical Structures—AVMS-2017	Proceedings	2018	http://link.springer.com/978-3-319-69823-6	978-3-319-69823-6	Acoustics Engineering Acoustics Vibration, Dynamical Systems, Control Numerical and Computational Physics, Simulation Mathematical Methods in Physics	339.98
594	Andrea Malizia; Marco D'Arienzo	Enhancing CBRNE Safety & Security: Proceedings of the SICC 2017 Conference	Proceedings	2018	http://link.springer.com/978-3-319-91791-7	978-3-319-91791-7	Security Science and Technology Security Safety in Chemistry, Dangerous Goods Systems and Data Security Effects of Radiation/Radiation Protection	259.98

595	Linda Dawson	War in Space	General interest	2018	http://link.springer.com/978-3-319-93052-7	978-3-319-93052-7	Popular Science in Technology Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics International Security Studies	53.98
596	Michael Swanson	The NexStar User’s Guide II	General interest	2017	http://link.springer.com/978-3-319-64933-7	978-3-319-64933-7	Popular Science in Astronomy Astronomy, Observations and Techniques	69.98
597	Andrew May	The Telescopic Tourist's Guide to the Moon	General interest	2017	http://link.springer.com/978-3-319-60741-2	978-3-319-60741-2	Popular Science in Astronomy Astronomy, Observations and Techniques Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	69.98
598	Michael H. Soffel; Wen-Biao Han	Applied General Relativity	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-19673-8	978-3-030-19673-8	Classical and Quantum Gravitation, Relativity Theory Astrophysics and Astroparticles Aerospace Technology and Astronautics Geophysics/Geodesy Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	389
599	Thierry J.-L. Courvoisier; Stephen Lyle	From Stars to States	Brief	2017	http://link.springer.com/978-3-319-59232-9	978-3-319-59232-9	Societal Aspects of Physics, Outreach and Education Science and Technology Studies Astronomy, Astrophysics and Cosmology Science Education Philosophy of Education Public Policy	109.98
600	Albert C. J. Luo; Bo Yu	Galloping Instability to Chaos of Cables	Monograph	2017	http://link.springer.com/978-981-10-5242-2	978-981-10-5242-2	Vibration, Dynamical Systems, Control Applications of Nonlinear Dynamics and Chaos Theory	259.98

601	Corrado Rainone	Metastable Glassy States Under External Perturbations	Monograph	2017	http://link.springer.com/978-3-319-60423-7	978-3-319-60423-7	Statistical Physics and Dynamical Systems Soft and Granular Matter, Complex Fluids and Microfluidics Ceramics, Glass, Composites, Natural Materials Phase Transitions and Multiphase Systems	219.98
602	Roberta Citro; Ferdinando Mancini	Out-of-Equilibrium Physics of Correlated Electron Systems	Monograph	2018	http://link.springer.com/978-3-319-94956-7	978-3-319-94956-7	Strongly Correlated Systems, Superconductivity Quantum Physics Quantum Gases and Condensates Optical and Electronic Materials	199.98
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604	Kirill Kulikov; Tatiana Koshlan	Laser Interaction with Heterogeneous Biological Tissue	Monograph	2018	http://link.springer.com/978-3-319-94114-1	978-3-319-94114-1	Biological and Medical Physics, Biophysics Biomedical Engineering and Bioengineering Regenerative Medicine/Tissue Engineering Numerical and Computational Physics, Simulation	199.98
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606	Arnt Inge Vistnes	Physics of Oscillations and Waves	Undergraduate textbook	2018	http://link.springer.com/978-3-319-72314-3	978-3-319-72314-3	Classical Mechanics Mathematical Methods in Physics Numerical and Computational Physics, Simulation Atmospheric Sciences Fluid- and Aerodynamics	389

607	Jiahang Shao	Investigations on rf breakdown phenomenon in high gradient accelerating structures	Monograph	2018	http://link.springer.com/978-981-10-7926-9	978-981-10-7926-9	Particle Acceleration and Detection, Beam Physics Microwaves, RF and Optical Engineering Measurement Science and Instrumentation	179.98
608	Alexander S. Silbergleit; Arthur D. Chernin	Interacting Dark Energy and the Expansion of the Universe	Brief	2017	http://link.springer.com/978-3-319-57538-4	978-3-319-57538-4	Cosmology Classical and Quantum Gravitation, Relativity Theory Elementary Particles, Quantum Field Theory	109.98
609	Kaoru Yamanouchi; Wendell T. Hill III; Gerhard G. Paulus	Progress in Ultrafast Intense Laser Science XIII	Monograph	2017	http://link.springer.com/978-3-319-64840-8	978-3-319-64840-8	Atoms and Molecules in Strong Fields, Laser Matter Interaction Optics, Lasers, Photonics, Optical Devices Physical Chemistry Microwaves, RF and Optical Engineering	179.98
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611	John J. Quinn; Kyung-Soo Yi	Solid State Physics	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-3-319-73999-1	978-3-319-73999-1	Solid State Physics Optical and Electronic Materials Classical Electrodynamics Quantum Physics	389
612	G.G.N Angilella; C. Amovilli	Many-body Approaches at Different Scales	Monograph	2018	http://link.springer.com/978-3-319-72374-7	978-3-319-72374-7	Strongly Correlated Systems, Superconductivity Theoretical and Computational Chemistry Atomic, Molecular, Optical and Plasma Physics Theoretical, Mathematical and Computational Physics	219.98

613	Heinrich Saller	Operational Symmetries	Monograph	2017	http://link.springer.com/978-3-319-58664-9	978-3-319-58664-9	Mathematical Methods in Physics Quantum Physics Topological Groups, Lie Groups Classical and Quantum Gravitation, Relativity Theory Mathematical Physics	239.98
614	Sabine Hossenfelder	Experimental Search for Quantum Gravity	Monograph	2018	http://link.springer.com/978-3-319-64537-7	978-3-319-64537-7	Classical and Quantum Gravitation, Relativity Theory Astrophysics and Astroparticles Cosmology	119.98
615	Olena Fesenko; Leonid Yatsenko	Nanooptics, Nanophotonics, Nanostructures, and Their Applications	Proceedings	2018	http://link.springer.com/978-3-319-91083-3	978-3-319-91083-3	Nanoscale Science and Technology Nanotechnology Nanotechnology and Microengineering Optics, Lasers, Photonics, Optical Devices	319.98
616	Marco Alberto Javarone	Statistical Physics and Computational Methods for Evolutionary Game Theory	Brief	2018	http://link.springer.com/978-3-319-70205-6	978-3-319-70205-6	Statistical Physics and Dynamical Systems Game Theory, Economics, Social and Behav. Sciences Computational Social Sciences Data-driven Science, Modeling and Theory Building Evolutionary Biology Python	99.98
617	James Matthews	Disc Winds Matter	Monograph	2017	http://link.springer.com/978-3-319-59183-4	978-3-319-59183-4	Astrophysics and Astroparticles Numerical and Computational Physics, Simulation	199.98
618	Giulio Magli; Antonio César González-García; Juan Belmonte Aviles; Elio Antonello	Archaeoastronomy in the Roman World	Monograph	2019	http://link.springer.com/978-3-319-97007-3	978-3-319-97007-3	Astronomy, Astrophysics and Cosmology Classical Studies Cultural Heritage Urban Geography / Urbanism (inc. megacities, cities, towns) Archaeology	179.98

619	Lina Jaurigue	Passively Mode-Locked Semiconductor Lasers	Monograph	2017	http://link.springer.com/978-3-319-58874-2	978-3-319-58874-2	Physics, general	179.98
620	Chihiro Hamaguchi	Basic Semiconductor Physics	Graduate/advanced undergraduate textbook	2017	http://link.springer.com/978-3-319-66860-4	978-3-319-66860-4	Semiconductors Characterization and Evaluation of Materials Electronics and Microelectronics, Instrumentation Optical and Electronic Materials	389
621	Shyam Wuppuluri; Francisco Antonio Doria	The Map and the Territory	Monograph	2018	http://link.springer.com/978-3-319-72478-2	978-3-319-72478-2	History and Philosophical Foundations of Physics Epistemology Philosophical and Historical Foundations of Science Popular Science in Philosophy Mathematical Logic and Foundations	179.98
622	Hanno Schmiedt	Molecular Symmetry, Super-Rotation, and Semiclassical Motion	Monograph	2017	http://link.springer.com/978-3-319-66071-4	978-3-319-66071-4	Atomic/Molecular Structure and Spectra Numerical and Computational Physics, Simulation Physical Chemistry Vibration, Dynamical Systems, Control	179.98
623	Nianjun Yang	Novel Aspects of Diamond	Monograph	2019	http://link.springer.com/978-3-030-12469-4	978-3-030-12469-4	Optical and Electronic Materials Nanotechnology Materials Engineering Nanoscale Science and Technology Applied and Technical Physics Semiconductors	199.98
624	Jonas Larson; Erik Sjöqvist; Patrik Öhberg	Conical Intersections in Physics	Monograph	2020	http://link.springer.com/978-3-030-34882-3	978-3-030-34882-3	Quantum Physics Solid State Physics Quantum Optics Theoretical and Computational Chemistry	109.98

625	Lorenzo Capineri; Eyüp Kuntay Turmus	Explosives Detection	Proceedings	2019	http://link.springer.com/978-94-024-1729-6	978-94-024-1729-6	Security Science and Technology Microwaves, RF and Optical Engineering Special Purpose and Application-Based Systems Electronics and Microelectronics, Instrumentation Electronic Circuits and Devices Signal, Image and Speech Processing	279.98
626	Amitesh Paul	Low-Angle Polarized Neutron and X-Ray Scattering from Magnetic Nanolayers and Nanostructures	Monograph	2017	http://link.springer.com/978-3-319-63224-7	978-3-319-63224-7	Magnetism, Magnetic Materials Measurement Science and Instrumentation Surfaces and Interfaces, Thin Films Nanoscale Science and Technology Spectroscopy and Microscopy	179.98
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983	Anthony Aguirre; Brendan Foster; Zeeya Merali	What is Fundamental?	Monograph	2019	http://link.springer.com/978-3-030-11301-8	978-3-030-11301-8	History and Philosophical Foundations of Physics Philosophy of Science Mathematical Logic and Foundations Elementary Particles, Quantum Field Theory	139.98
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985	Eugen Mircea Anitas	Small-Angle Scattering (Neutrons, X-Rays, Light) from Complex Systems	Brief	2019	http://link.springer.com/978-3-030-26612-7	978-3-030-26612-7	Crystallography and Scattering Methods Applications of Nonlinear Dynamics and Chaos Theory Nanotechnology Spectroscopy and Microscopy	99.98
986	Leonid A. Bulavin; Limei Xu	Modern Problems of the Physics of Liquid Systems	Proceedings	2019	http://link.springer.com/978-3-030-21755-6	978-3-030-21755-6	Soft and Granular Matter, Complex Fluids and Microfluidics Hydrology/Water Resources Physical Chemistry Engineering Fluid Dynamics	219.98

987	Sunkyu Yu; Xianji Piao; Namkyoo Park	Top-Down Design of Disordered Photonic Structures	Brief	2019	http://link.springer.com/978-981-13-7527-9	978-981-13-7527-9	Optics, Lasers, Photonics, Optical Devices Microwaves, RF and Optical Engineering Quantum Optics Solid State Physics	99.98
988	Florian Willomitzer	Single-Shot 3D Sensing Close to Physical Limits and Information Limits	Monograph	2019	http://link.springer.com/978-3-030-10904-2	978-3-030-10904-2	Optics, Lasers, Photonics, Optical Devices Signal, Image and Speech Processing Measurement Science and Instrumentation Image Processing and Computer Vision Classical Electrodynamics	239.98
989	Markus Zinser	Search for New Heavy Charged Bosons and Measurement of High-Mass Drell-Yan Production in Proton—Proton Collisions	Monograph	2018	http://link.springer.com/978-3-030-00650-1	978-3-030-00650-1	Elementary Particles, Quantum Field Theory Quantum Field Theories, String Theory	239.98
990	Klimis Ntalianis; George Vachtsevanos; Pierre Borne; Anca Croitoru	Applied Physics, System Science and Computers III	Proceedings	2019	http://link.springer.com/978-3-030-21507-1	978-3-030-21507-1	Biological and Medical Physics, Biophysics Electrical Engineering Mathematical Modeling and Industrial Mathematics Manufacturing, Machines, Tools, Processes	219.98
991	Anjan Giri; Rukmani Mohanta	16th Conference on Flavor Physics and CP Violation	Proceedings	2019	http://link.springer.com/978-3-030-29622-3	978-3-030-29622-3	Elementary Particles, Quantum Field Theory Nuclear Physics, Heavy Ions, Hadrons	259.98
992	Daniel O'Hanlon	Studies of CP-Violation in Charmless Three-Body b-Hadron Decays	Monograph	2018	http://link.springer.com/978-3-030-02206-8	978-3-030-02206-8	Nuclear Physics, Heavy Ions, Hadrons Quantum Field Theories, String Theory	219.98

993	Stavros G. Stavrinides; Mehmet Ozer	Chaos and Complex Systems	Proceedings	2020	http://link.springer.com/978-3-030-35441-1	978-3-030-35441-1	Applications of Nonlinear Dynamics and Chaos Theory Vibration, Dynamical Systems, Control Statistical Physics and Dynamical Systems Complexity	399.98
994	G. Marmo; David Martín de Diego; Miguel Muñoz Lecanda	Classical and Quantum Physics	Proceedings	2019	http://link.springer.com/978-3-030-24748-5	978-3-030-24748-5	Theoretical, Mathematical and Computational Physics Mathematical Physics Calculus of Variations and Optimal Control; Optimization Associative Rings and Algebras Manifolds and Cell Complexes (incl. Diff.Topology) Differential Geometry	259.98
995	Subhashish Banerjee	Open Quantum Systems	Monograph	2018	http://link.springer.com/978-981-13-3182-4	978-981-13-3182-4	Quantum Field Theories, String Theory Elementary Particles, Quantum Field Theory Thermodynamics Statistical Physics and Dynamical Systems Quantum Computing	159.98
996	André Melzer	Physics of Dusty Plasmas	Monograph	2019	http://link.springer.com/978-3-030-20260-6	978-3-030-20260-6	Plasma Physics Applied and Technical Physics Solar and Heliospheric Physics	89.98
997	Amalia Martínez-García; Indrani Bhattacharya; Yukitoshi Otani; Rainer Tutsch	Progress in Optomechatronic Technologies	Proceedings	2019	http://link.springer.com/978-981-32-9632-9	978-981-32-9632-9	Optics, Lasers, Photonics, Optical Devices Control, Robotics, Mechatronics Theoretical and Applied Mechanics Atoms and Molecules in Strong Fields, Laser Matter Interaction	199.98

998	Guillaume Lang	Correlations in Low-Dimensional Quantum Gases	Monograph	2018	http://link.springer.com/978-3-030-05285-0	978-3-030-05285-0	Quantum Gases and Condensates Strongly Correlated Systems, Superconductivity Mathematical Methods in Physics	219.98
999	Vladimir Pletser	Lagrangian and Hamiltonian Analytical Mechanics: Forty Exercises Resolved and Explained	Monograph	2018	http://link.springer.com/978-981-13-3026-1	978-981-13-3026-1	Classical Mechanics Theoretical and Applied Mechanics Mathematical Methods in Physics	219.98
1000	S. V. Gupta	Mass Metrology	Monograph	2019	http://link.springer.com/978-3-030-12465-6	978-3-030-12465-6	Measurement Science and Instrumentation Characterization and Evaluation of Materials Theoretical and Applied Mechanics	179.98
1001	Pekka Teerikorpi; Mauri Valtonen; Kirsi Lehto; Harry Lehto; Gene Byrd; Arthur Chernin	The Evolving Universe and the Origin of Life	Undergraduate textbook	2019	http://link.springer.com/978-3-030-17921-2	978-3-030-17921-2	Astrobiology Cosmology Planetology Astrophysics and Astroparticles History and Philosophical Foundations of Physics	389
1002	Wokyung Sung	Statistical Physics for Biological Matter	Graduate/advanced undergraduate textbook	2018	http://link.springer.com/978-94-024-1584-1	978-94-024-1584-1	Biological and Medical Physics, Biophysics Statistical Physics and Dynamical Systems Soft and Granular Matter, Complex Fluids and Microfluidics	389
1003	Alex McConahay	Using Sequence Generator Pro and Friends	General interest	2019	http://link.springer.com/978-3-030-19719-3	978-3-030-19719-3	Popular Science in Astronomy Astronomy, Observations and Techniques Photography	53.98
1004	Tom Lund	Early Exploration of the Moon	General interest	2018	http://link.springer.com/978-3-030-02071-2	978-3-030-02071-2	Popular Science in Technology Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics	65.98

1005	Eric Todd Quinto; Nathan Ida; Ming Jiang; Alfred K. Louis	The Proceedings of the International Conference on Sensing and Imaging, 2018	Proceedings	2019	http://link.springer.com/978-3-030-30825-4	978-3-030-30825-4	Optics, Lasers, Photonics, Optical Devices Signal, Image and Speech Processing Image Processing and Computer Vision Remote Sensing/Photogrammetry	319.98
1006	Roberto Mignani; Andrew Shearer; Agnieszka Slowikowska; Silvia Zane	Astronomical Polarisation from the Infrared to Gamma Rays	Monograph	2019	http://link.springer.com/978-3-030-19715-5	978-3-030-19715-5	Astronomy, Observations and Techniques Astrophysics and Astroparticles Solar and Heliospheric Physics	179.98
1007	Maciej Blaszak	Quantum versus Classical Mechanics and Integrability Problems	Monograph	2019	http://link.springer.com/978-3-030-18379-0	978-3-030-18379-0	Quantum Physics Mathematical Physics Classical Mechanics	179.98
1008	Michael Kneissl; Andreas Knorr; Stephan Reitzenstein; Axel Hoffmann	Semiconductor Nanophotonics	Monograph	2020	http://link.springer.com/978-3-030-35656-9	978-3-030-35656-9	Semiconductors Optical and Electronic Materials Nanotechnology and Microengineering Optics, Lasers, Photonics, Optical Devices Nanotechnology Nanoscale Science and Technology	239.98
1009	Vladimir A. Zhelnorovich	Theory of Spinors and Its Application in Physics and Mechanics	Monograph	2019	http://link.springer.com/978-3-030-27836-6	978-3-030-27836-6	Mathematical Methods in Physics Elementary Particles, Quantum Field Theory Cosmology Mathematical Physics Algebraic Geometry	169.98
1010	Valter Moretti	Fundamental Mathematical Structures of Quantum Theory	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-18346-2	978-3-030-18346-2	Quantum Physics Mathematical Methods in Physics Mathematical Physics	389
1011	Michael Eckert	The Turbulence Problem	Brief	2019	http://link.springer.com/978-3-030-31863-5	978-3-030-31863-5	History and Philosophical Foundations of Physics Fluid- and Aerodynamics Engineering Fluid Dynamics History of Science History of Mathematical Sciences	99.98

1012	Jose Luis Perez Velazquez	The Rise of the Scientist-Bureaucrat	General interest	2019	http://link.springer.com/978-3-030-12326-0	978-3-030-12326-0	Societal Aspects of Physics, Outreach and Education Job Careers in Science and Engineering R & D/Technology Policy	59.98
1013	Ulrich Hohenester	Nano and Quantum Optics	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-30504-8	978-3-030-30504-8	Quantum Optics Optical and Electronic Materials Optics, Lasers, Photonics, Optical Devices Surface and Interface Science, Thin Films Classical Electrodynamics	389
1014	Juan C. Vallejo; Miguel A. F. Sanjuan	Predictability of Chaotic Dynamics	Monograph	2019	http://link.springer.com/978-3-030-28630-9	978-3-030-28630-9	Applications of Nonlinear Dynamics and Chaos Theory Numerical and Computational Physics, Simulation Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Mathematical Applications in the Physical Sciences	119.98
1015	Yan Yang	Energy Transfer and Dissipation in Plasma Turbulence	Monograph	2019	http://link.springer.com/978-981-13-8149-2	978-981-13-8149-2	Plasma Physics Engineering Fluid Dynamics Numerical Analysis	279.98
1016	Werner Ebeling; Thorsten Pöschel	Lectures on Quantum Statistics	Monograph	2019	http://link.springer.com/978-3-030-05734-3	978-3-030-05734-3	Plasma Physics Quantum Gases and Condensates Statistical Physics and Dynamical Systems	99.98
1017	Petter Holme; Jari Saramäki	Temporal Network Theory	Monograph	2019	http://link.springer.com/978-3-030-23495-9	978-3-030-23495-9	Applications of Graph Theory and Complex Networks Computational Social Sciences Complexity Complex Systems	199.98
1018	Luca Cadamuro	Search for Higgs Boson Pair Production in the $b\bar{b}$ t+ t- Decay Channel	Monograph	2018	http://link.springer.com/978-3-030-04055-0	978-3-030-04055-0	Elementary Particles, Quantum Field Theory Quantum Field Theories, String Theory	219.98

1019	Alexander R. H. Smith	Detectors, Reference Frames, and Time	Monograph	2019	http://link.springer.com/978-3-030-11000-0	978-3-030-11000-0	Classical and Quantum Gravitation, Relativity Theory Cosmology Mathematical Physics Quantum Field Theories, String Theory Quantum Physics	259.98
1020	Ashutosh Kumar Shukla	Medical Imaging Methods	Professional book	2019	http://link.springer.com/978-981-13-9121-7	978-981-13-9121-7	Medical and Radiation Physics Diagnostic Radiology	119.98
1021	Geoffrey Compère	Advanced Lectures on General Relativity	Brief	2019	http://link.springer.com/978-3-030-04260-8	978-3-030-04260-8	Classical and Quantum Gravitation, Relativity Theory Theoretical Astrophysics	109.98
1022	Jie Ren	ULF Waves' Interaction with Cold and Thermal Particles in the Inner Magnetosphere	Monograph	2019	http://link.springer.com/978-981-32-9378-6	978-981-32-9378-6	Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Plasma Physics Planetary Sciences Astrophysics and Astroparticles	179.98
1023	Barry B. Luokkala	Exploring Science Through Science Fiction	General interest	2019	http://link.springer.com/978-3-030-29393-2	978-3-030-29393-2	Popular Science in Physics Classical and Quantum Gravitation, Relativity Theory Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Control, Robotics, Mechatronics Biomedical Engineering/Biotechnology Nuclear Energy	49.98
1024	Nick Gorkavyi; Alexander Dudorov; Sergey Taskaev	Chelyabinsk Superbolide	General interest	2019	http://link.springer.com/978-3-030-22986-3	978-3-030-22986-3	Popular Science in Astronomy Planetary Sciences Atmospheric Sciences	49.98
1025	Henri M. J. Boffin; David Jones	The Importance of Binaries in the Formation and Evolution of Planetary Nebulae	Brief	2019	http://link.springer.com/978-3-030-25059-1	978-3-030-25059-1	Astrophysics and Astroparticles Astronomy, Observations and Techniques	99.98

1026	Fujie Tang	Structures and Dynamics of Interfacial Water	Monograph	2019	http://link.springer.com/978-981-13-8965-8	978-981-13-8965-8	Atomic/Molecular Structure and Spectra Soft and Granular Matter, Complex Fluids and Microfluidics Numerical and Computational Physics, Simulation Spectroscopy and Microscopy Surface and Interface Science, Thin Films	179.98
1027	Silvia Viola Kusminskiy	Quantum Magnetism, Spin Waves, and Optical Cavities	Brief	2019	http://link.springer.com/978-3-030-13345-0	978-3-030-13345-0	Quantum Physics Quantum Optics Magnetism, Magnetic Materials	99.98
1028	Philip J. Armitage; Wilhelm Kley; Marc Audard; Michael R. Meyer; Yann Alibert	From Protoplanetary Disks to Planet Formation	Monograph	2019	http://link.springer.com/978-3-662-58687-7	978-3-662-58687-7	Astrophysics and Astroparticles Planetary Sciences Planetology	153.98
1029	Damien Broderick	The Time Machine Hypothesis	General interest	2019	http://link.springer.com/978-3-030-16178-1	978-3-030-16178-1	Popular Science in Physics Theoretical, Mathematical and Computational Physics Popular Science in Literature Fiction History and Philosophical Foundations of Physics	45.98
1030	Christophe Sauty	JET Simulations, Experiments, and Theory	Proceedings	2019	http://link.springer.com/978-3-030-14128-8	978-3-030-14128-8	Astrophysics and Astroparticles Astronomy, Observations and Techniques Numerical and Computational Physics, Simulation	199.98
1031	Jan Philipp Dabruck	Target Station Optimization for the High-Brilliance Neutron Source HBS	Monograph	2018	http://link.springer.com/978-3-030-05639-1	978-3-030-05639-1	Nuclear Physics, Heavy Ions, Hadrons Numerical and Computational Physics, Simulation Measurement Science and Instrumentation	219.98

1032	Michael Borinsky	Graphs in Perturbation Theory	Monograph	2018	http://link.springer.com/978-3-030-03541-9	978-3-030-03541-9	Mathematical Methods in Physics Applications of Graph Theory and Complex Networks Graph Theory Elementary Particles, Quantum Field Theory	199.98
1033	Holm Altenbach; Hans Irschik; Valery P. Matveenko	Contributions to Advanced Dynamics and Continuum Mechanics	Monograph	2019	http://link.springer.com/978-3-030-21251-3	978-3-030-21251-3	Classical Mechanics Solid Mechanics	239.98
1034	Olena Fesenko; Leonid Yatsenko	Nanophotonics, Nanooptics, Nanobiotechnology, and Their Applications	Proceedings	2019	http://link.springer.com/978-3-030-17755-3	978-3-030-17755-3	Nanoscale Science and Technology Nanotechnology Nanotechnology and Microengineering Optics, Lasers, Photonics, Optical Devices	239.98
1035	Olena Fesenko; Leonid Yatsenko	Nanocomposites, Nanostructures, and Their Applications	Proceedings	2019	http://link.springer.com/978-3-030-17759-1	978-3-030-17759-1	Nanoscale Science and Technology Nanotechnology Nanotechnology and Microengineering Optics, Lasers, Photonics, Optical Devices	259.98
1036	Martin Jähnert	Practicing the Correspondence Principle in the Old Quantum Theory	Monograph	2019	http://link.springer.com/978-3-030-13300-9	978-3-030-13300-9	History and Philosophical Foundations of Physics History of Science Philosophy of Science Intellectual Studies Cultural History	159.98
1037	Wayne Orchiston; Aniket Sule; Mayank Vahia	The Growth and Development of Astronomy and Astrophysics in India and the Asia-Pacific Region	Proceedings	2019	http://link.springer.com/978-981-13-3645-4	978-981-13-3645-4	Astronomy, Astrophysics and Cosmology Popular Science in Astronomy	319.98

1038	Manfred "Dutch" von Ehrenfried	From Cave Man to Cave Martian	General interest	2019	http://link.springer.com/978-3-030-05408-3	978-3-030-05408-3	Popular Science in Astronomy Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Planetology History of Technology	53.98
1039	Babak Shokri; Anri A. Rukhadze	Electrodynamics of Conducting Dispersive Media	Monograph	2019	http://link.springer.com/978-3-030-28968-3	978-3-030-28968-3	Plasma Physics Classical Electrodynamics Fluid- and Aerodynamics Magnetism, Magnetic Materials Semiconductors	179.98
1040	Michael Quinten	A Practical Guide to Surface Metrology	Professional book	2019	http://link.springer.com/978-3-030-29454-0	978-3-030-29454-0	Measurement Science and Instrumentation Characterization and Evaluation of Materials Surface and Interface Science, Thin Films Surfaces and Interfaces, Thin Films Materials Engineering Optics, Lasers, Photonics, Optical Devices	179.98
1041	Christos H. Skiadas; Ihor Lubashevsky	11th Chaotic Modeling and Simulation International Conference	Proceedings	2019	http://link.springer.com/978-3-030-15297-0	978-3-030-15297-0	Complex Systems Simulation and Modeling Complexity Applied Science, multidisciplinary Game Theory, Economics, Social and Behav. Sciences	179.98
1042	Warren D. Cummings	Evolving Theories on the Origin of the Moon	Monograph	2019	http://link.springer.com/978-3-030-29119-8	978-3-030-29119-8	History of Science Planetary Sciences Planetology History of Technology	129.98
1043	Nathan Mendes; Marx Chhay; Julien Berger; Denys Dutykh	Numerical Methods for Diffusion Phenomena in Building Physics	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-31574-0	978-3-030-31574-0	Thermodynamics Building Physics, HVAC Mechanical Engineering Mathematical and Computational Engineering	389

1044	Gennaro Auletta	The Quantum Mechanics Conundrum	Monograph	2019	http://link.springer.com/978-3-030-16649-6	978-3-030-16649-6	Quantum Physics History and Philosophical Foundations of Physics Philosophy of Science Quantum Information Technology, Spintronics	219.98
1045	Wu-Ming Liu; Emmanuel Kengne	Schrödinger Equations in Nonlinear Systems	Monograph	2019	http://link.springer.com/978-981-13-6581-2	978-981-13-6581-2	Mathematical Methods in Physics Mathematical Physics Condensed Matter Physics Applications of Nonlinear Dynamics and Chaos Theory	179.98
1046	Leonardo Angelini	Solved Problems in Quantum Mechanics	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-18404-9	978-3-030-18404-9	Quantum Physics Numerical and Computational Physics, Simulation Mathematical Methods in Physics	389
1047	Gerhard Ecker	Particles, Fields, Quanta	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-14479-1	978-3-030-14479-1	Elementary Particles, Quantum Field Theory	389
1048	Laura Pesce	Close Encounters of Art and Physics	General interest	2019	http://link.springer.com/978-3-030-22730-2	978-3-030-22730-2	Popular Science in Physics Theoretical, Mathematical and Computational Physics Mathematics in Art and Architecture Creativity and Arts Education	59.98
1049	Michele Livan; Richard Wigmans	Calorimetry for Collider Physics, an Introduction	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-23653-3	978-3-030-23653-3	Particle Acceleration and Detection, Beam Physics Measurement Science and Instrumentation Nuclear Physics, Heavy Ions, Hadrons Physical Chemistry	389
1050	Egidio Landi Degl'Innocenti	Elementi di Meccanica dei Fluidi, Termodinamica e Fisica Statistica	Undergraduate textbook	2019	http://link.springer.com/978-88-470-3991-9	978-88-470-3991-9	Fluid- and Aerodynamics Thermodynamics Statistical Physics and Dynamical Systems	389

1051	Young-Chul Lee; Ju-Young Moon	Introduction to Bionanotechnology	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-981-15-1293-3	978-981-15-1293-3	Nanoscale Science and Technology Biomedical Engineering and Bioengineering Biotechnology Nanotechnology Plant Breeding/Biotechnology Environmental Engineering/Biotechnology	389
1052	Sumit Kundu; U. Shripathi Acharya; Chanchal Kr. De; Surajit Mukherjee	Proceedings of the 2nd International Conference on Communication, Devices and Computing	Proceedings	2020	http://link.springer.com/978-981-15-0829-5	978-981-15-0829-5	Electronic Circuits and Devices Mathematical and Computational Engineering Circuits and Systems	259.98
1053	Daiki Yamaguchi	Search for New Phenomena in Top-Antitop Quarks Final States with Additional Heavy-Flavour Jets with the ATLAS Detector	Monograph	2019	http://link.springer.com/978-981-15-0932-2	978-981-15-0932-2	Particle Acceleration and Detection, Beam Physics Nuclear Physics, Heavy Ions, Hadrons Elementary Particles, Quantum Field Theory	219.98
1054	Martin Bauer; Tilman Plehn	Yet Another Introduction to Dark Matter	Monograph	2019	http://link.springer.com/978-3-030-16234-4	978-3-030-16234-4	Elementary Particles, Quantum Field Theory Astrophysics and Astroparticles	99.98
1055	Jonathan Powell	From Cave Art to Hubble	General interest	2019	http://link.springer.com/978-3-030-31688-4	978-3-030-31688-4	Popular Science in Astronomy Astronomy, Observations and Techniques History of Science History of Technology	49.98
1056	Michael Golosovsky	Citation Analysis and Dynamics of Citation Networks	Brief	2019	http://link.springer.com/978-3-030-28169-4	978-3-030-28169-4	Data-driven Science, Modeling and Theory Building Complex Systems Big Data Big Data/Analytics	99.98
1057	Dieter Lüst; Ward Vleeshouwers	Black Hole Information and Thermodynamics	Brief	2019	http://link.springer.com/978-3-030-10919-6	978-3-030-10919-6	Classical and Quantum Gravitation, Relativity Theory Cosmology Quantum Field Theories, String Theory Thermodynamics	99.98

1058	Walter Lacarbonara; Balakumar Balachandran; Jun Ma; J. A. Tenreiro Machado; Gabor Stepan	Nonlinear Dynamics of Structures, Systems and Devices	Proceedings	2020	http://link.springer.com/978-3-030-34713-0	978-3-030-34713-0	Solid State Physics Solid Mechanics Applications of Nonlinear Dynamics and Chaos Theory Vibration, Dynamical Systems, Control Complexity Mechanical Statics and Structures	438
1059	Sefika Sule ERÇETIN; Suay Nilhan AÇIKALIN	Chaos, Complexity and Leadership 2018	Proceedings	2020	http://link.springer.com/978-3-030-27672-0	978-3-030-27672-0	Applications of Nonlinear Dynamics and Chaos Theory Organizational Studies, Economic Sociology Operations Research/Decision Theory Political Economy/Economic Systems Complexity	339.98
1060	Kyriakos Tamvakis	Basic Quantum Mechanics	Undergraduate textbook	2019	http://link.springer.com/978-3-030-22777-7	978-3-030-22777-7	Quantum Physics Physical Chemistry Optical and Electronic Materials Microwaves, RF and Optical Engineering Materials Engineering Nanotechnology and Microengineering	389
1061	Marcus Seidel	A New Generation of High-Power, Waveform Controlled, Few-Cycle Light Sources	Monograph	2019	http://link.springer.com/978-3-030-10791-8	978-3-030-10791-8	Optics, Lasers, Photonics, Optical Devices Quantum Optics Optical and Electronic Materials	219.98
1062	Walter Lacarbonara; Balakumar Balachandran; Jun Ma; J. A. Tenreiro Machado; Gabor Stepan	Nonlinear Dynamics and Control	Proceedings	2020	http://link.springer.com/978-3-030-34747-5	978-3-030-34747-5	Classical Electrodynamics Vibration, Dynamical Systems, Control Control and Systems Theory Applications of Nonlinear Dynamics and Chaos Theory Complexity	418

1063	Walter Lacarbonara; Balakumar Balachandran; Jun Ma; J. A. Tenreiro Machado; Gabor Stepan	New Trends in Nonlinear Dynamics	Proceedings	2020	http://link.springer.com/978-3-030-34724-6	978-3-030-34724-6	Classical Electrodynamics Vibration, Dynamical Systems, Control Applications of Nonlinear Dynamics and Chaos Theory Complexity Engineering Design	399.98
1064	Wei-Lin Tu	Utilization of Renormalized Mean-Field Theory upon Novel Quantum Materials	Monograph	2019	http://link.springer.com/978-981-13-7824-9	978-981-13-7824-9	Strongly Correlated Systems, Superconductivity Magnetism, Magnetic Materials Numerical and Computational Physics, Simulation	239.98
1065	Andrew May	Fake Physics: Spoofs, Hoaxes and Fictitious Science	General interest	2019	http://link.springer.com/978-3-030-13314-6	978-3-030-13314-6	Popular Science in Physics Physics, general	45.98
1066	Anatolie Sidorenko; Horst Hahn	Functional Nanostructures and Sensors for CBRN Defence and Environmental Safety and Security	Proceedings	2020	http://link.springer.com/978-94-024-1909-2	978-94-024-1909-2	Security Science and Technology Monitoring/Environmental Analysis Nanoscale Science and Technology Electronic Circuits and Devices	279.98
1067	Horatiu Nastase	Cosmology and String Theory	Monograph	2019	http://link.springer.com/978-3-030-15077-8	978-3-030-15077-8	Quantum Field Theories, String Theory Cosmology Classical and Quantum Gravitation, Relativity Theory	199.98
1068	Wouter Schmitz	Particles, Fields and Forces	Monograph	2019	http://link.springer.com/978-3-030-12878-4	978-3-030-12878-4	Elementary Particles, Quantum Field Theory Quantum Field Theories, String Theory Popular Science in Physics History and Philosophical Foundations of Physics	99.98
1069	Volodymyr Girka; Igor Girka; Manfred Thumm	Surface Electron Cyclotron Waves in Plasmas	Monograph	2019	http://link.springer.com/978-3-030-17115-5	978-3-030-17115-5	Plasma Physics Classical Electrodynamics Particle Acceleration and Detection, Beam Physics Applied and Technical Physics	219.98

1070	Ajay Kumar Srivastava	Si Detectors and Characterization for HEP and Photon Science Experiment	Monograph	2019	http://link.springer.com/978-3-030-19531-1	978-3-030-19531-1	Particle Acceleration and Detection, Beam Physics Computer-Aided Engineering (CAD, CAE) and Design Measurement Science and Instrumentation Solid State Physics Characterization and Evaluation of Materials Nuclear Physics, Heavy Ions, Hadrons	169.98
1071	A. J. Berlinsky; A. B. Harris	Statistical Mechanics	Graduate/advanced undergraduate textbook	2019	http://link.springer.com/978-3-030-28187-8	978-3-030-28187-8	Statistical Physics and Dynamical Systems Engineering Thermodynamics, Heat and Mass Transfer Thermodynamics Quantum Physics	389
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1173	Jerzy Sobotka	Reservoir Rock Diagnostics for Water or Hydrocarbon Exploration	Monograph	2019	http://link.springer.com/978-3-030-31049-3	978-3-030-31049-3	Geophysics and Environmental Physics Geophysics/Geodesy Hydrogeology Geotechnical Engineering & Applied Earth Sciences	159.98
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1176	Mehmet Kaya; Suayip Birinci; Jalal Kawash; Reda Alhajj	Putting Social Media and Networking Data in Practice for Education, Planning, Prediction and Recommendation	Contributed volume	2020	http://link.springer.com/978-3-030-33698-1	978-3-030-33698-1	Data-driven Science, Modeling and Theory Building Computational Social Sciences Big Data/Analytics Computer Appl. in Social and Behavioral Sciences	159.98
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1192	Mikhail Korzhik; Gintautas Tamulaitis; Andrey N. Vasil'ev	Physics of Fast Processes in Scintillators	Monograph	2020	http://link.springer.com/978-3-030-21966-6	978-3-030-21966-6	Nuclear Physics, Heavy Ions, Hadrons Spectroscopy/Spectrometry Optical and Electronic Materials Solid State Physics Crystallography and Scattering Methods Measurement Science and Instrumentation	219.98
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1244	Victor Ilisie	Lectures in Classical Mechanics	Undergraduate textbook	2020	http://link.springer.com/978-3-030-38585-9	978-3-030-38585-9	Classical Mechanics Theoretical and Applied Mechanics	389

1245	Zundu Luo; Yidong Huang	Physics of Solid-State Laser Materials	Monograph	2020	http://link.springer.com/978-981-32-9668-8	978-981-32-9668-8	Atomic/Molecular Structure and Spectra Optical and Electronic Materials Spectroscopy and Microscopy Optics, Lasers, Photonics, Optical Devices Spectroscopy/Spectrometry	239.98
1246	Daiki Nishiguchi	Order and Fluctuations in Collective Dynamics of Swimming Bacteria	Monograph	2020	http://link.springer.com/978-981-32-9998-6	978-981-32-9998-6	Soft and Granular Matter, Complex Fluids and Microfluidics Statistical Physics and Dynamical Systems Physical Chemistry Applications of Nonlinear Dynamics and Chaos Theory Complexity	239.98
1247	Helmut Günther	Elementary Approach to Special Relativity	Monograph	2020	http://link.springer.com/978-981-15-3168-2	978-981-15-3168-2	Classical and Quantum Gravitation, Relativity Theory Mathematical Methods in Physics Numerical and Computational Physics, Simulation	239.98
1248	Yoshio Kuramoto	Quantum Many-Body Physics	Monograph	2020	http://link.springer.com/978-4-431-55393-9	978-4-431-55393-9	Strongly Correlated Systems, Superconductivity Solid State Physics Magnetism, Magnetic Materials Low Temperature Physics Statistical Physics and Dynamical Systems	119.98
1249	Patrick Bertrand	Electron Paramagnetic Resonance Spectroscopy	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-39663-3	978-3-030-39663-3	Spectroscopy and Microscopy Atomic/Molecular Structure and Spectra Magnetism, Magnetic Materials Crystallography and Scattering Methods Physical Chemistry Characterization and Evaluation of Materials	389

1250	Rubén Seoane Souto	Quench Dynamics in Interacting and Superconducting Nanojunctions	Monograph	2020	http://link.springer.com/978-3-030-36595-0	978-3-030-36595-0	Strongly Correlated Systems, Superconductivity Nanotechnology Quantum Information Technology, Spintronics Phase Transitions and Multiphase Systems	239.98
1251	Christos H. Skiadas; Yiannis Dimotikalis	12th Chaotic Modeling and Simulation International Conference	Proceedings	2020	http://link.springer.com/978-3-030-39515-5	978-3-030-39515-5	Complex Systems Simulation and Modeling Complexity Applied Science, multidisciplinary Game Theory, Economics, Social and Behav. Sciences	319.98
1252	Keisuke Sugiura	Development of a Numerical Simulation Method for Rocky Body Impacts and Theoretical Analysis of Asteroidal Shapes	Monograph	2020	http://link.springer.com/978-981-15-3722-6	978-981-15-3722-6	Planetary Sciences Theoretical Astrophysics Numerical and Computational Physics, Simulation	239.98
1253	Paul J. Nahin	Inside Interesting Integrals	Undergraduate textbook	2020	http://link.springer.com/978-3-030-43788-6	978-3-030-43788-6	Mathematical Methods in Physics Mathematical and Computational Engineering Real Functions Sequences, Series, Summability Functions of a Complex Variable	389
1254	Detlef Dürr; Dustin Lazarovici	Understanding Quantum Mechanics	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-40068-2	978-3-030-40068-2	Quantum Physics History and Philosophical Foundations of Physics Philosophy of Nature	389
1255	Metin Tolan; Joachim Stolze	Shaken, Not Stirred!	General interest	2020	http://link.springer.com/978-3-030-40109-2	978-3-030-40109-2	Popular Science in Physics Theoretical and Applied Mechanics Film History Electrical Engineering	39.98

1256	Hugo Barbosa; Jesus Gomez-Gardenes; Bruno Gonçalves; Giuseppe Mangioni; Ronaldo Menezes; Marcos Oliveira	Complex Networks XI	Proceedings	2020	http://link.springer.com/978-3-030-40943-2	978-3-030-40943-2	Applications of Graph Theory and Complex Networks Computational Social Sciences Computational Intelligence Complexity	279.98
1257	Takashi Yatsui	Nanophotonic Chemical Reactions	Monograph	2020	http://link.springer.com/978-3-030-42843-3	978-3-030-42843-3	Optics, Lasers, Photonics, Optical Devices Nanochemistry Optical and Electronic Materials Nanoscale Science and Technology	219.98
1258	Zhongliang Jing	Proceedings of the International Conference on Aerospace System Science and Engineering 2019	Proceedings	2020	http://link.springer.com/978-981-15-1773-0	978-981-15-1773-0	Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics Control and Systems Theory Vibration, Dynamical Systems, Control Engineering Design	399.98
1259	Shoji Kato; Jun Fukue	Fundamentals of Astrophysical Fluid Dynamics	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-981-15-4174-2	978-981-15-4174-2	Astrophysics and Astroparticles Fluid- and Aerodynamics Plasma Physics Classical and Quantum Gravitation, Relativity Theory Cosmology Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	389
1260	Arash Rahimi-Iman	Polariton Physics	Monograph	2020	http://link.springer.com/978-3-030-39333-5	978-3-030-39333-5	Optics, Lasers, Photonics, Optical Devices Quantum Optics Electronic Circuits and Devices Classical Electrodynamics Strongly Correlated Systems, Superconductivity	199.98

1261	Michaela Kozlová; Jaroslav Nejdl	X-Ray Lasers 2018	Proceedings	2020	http://link.springer.com/978-3-030-35453-4	978-3-030-35453-4	Optics, Lasers, Photonics, Optical Devices Classical Electrodynamics Atoms and Molecules in Strong Fields, Laser Matter Interaction	299.98
1262	Pavel Bóna	Classical Systems in Quantum Mechanics	Monograph	2020	http://link.springer.com/978-3-030-45070-0	978-3-030-45070-0	Quantum Physics Classical Mechanics Mathematical Applications in the Physical Sciences	179.98
1263	Gösta Fürnkranz; Andrea Aglibut; Rupert Ursin	The Quantum Internet	General interest	2020	http://link.springer.com/978-3-030-42664-4	978-3-030-42664-4	Popular Science in Physics Quantum Information Technology, Spintronics Communications Engineering, Networks Information Systems Applications (incl. Internet) Quantum Computing Professional Computing	39.98
1264	Anna Zakharova	Chimera Patterns in Networks	Monograph	2020	http://link.springer.com/978-3-030-21714-3	978-3-030-21714-3	Complex Systems Statistical Physics and Dynamical Systems Systems Biology Mathematical Methods in Physics Complex Systems	219.98
1265	Byung-Eun Park; Hiroshi Ishiwara; Masanori Okuyama; Shigeki Sakai; Sung-Min Yoon	Ferroelectric-Gate Field Effect Transistor Memories	Monograph	2020	http://link.springer.com/978-981-15-1212-4	978-981-15-1212-4	Electronic Circuits and Devices Electronics and Microelectronics, Instrumentation Surfaces and Interfaces, Thin Films Circuits and Systems Surface and Interface Science, Thin Films	239.98
1266	Falin Chen; Fang-Tzu Hsu	How Humankind Created Science	General interest	2020	http://link.springer.com/978-3-030-43135-8	978-3-030-43135-8	Popular Science in Astronomy Popular Science in Physics History of Science History and Philosophical Foundations of Physics	53.98

1267	Enping Zhou	Studying Compact Star Equation of States with General Relativistic Initial Data Approach	Monograph	2020	http://link.springer.com/978-981-15-4151-3	978-981-15-4151-3	Cosmology Numerical and Computational Physics, Simulation Classical and Quantum Gravitation, Relativity Theory Astrophysics and Astroparticles Nuclear Physics, Heavy Ions, Hadrons	239.98
1268	Anil Waman Date	Analytic Combustion	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-981-15-1853-9	978-981-15-1853-9	Thermodynamics Engineering Thermodynamics, Heat and Mass Transfer Physical Chemistry Engineering Fluid Dynamics Industrial Chemistry/Chemical Engineering	389
1269	Panayotis G. Kevrekidis; Jesús Cuevas-Maraver; Avadh Saxena	Emerging Frontiers in Nonlinear Science	Monograph	2020	http://link.springer.com/978-3-030-44992-6	978-3-030-44992-6	Applications of Nonlinear Dynamics and Chaos Theory Applications of Graph Theory and Complex Networks Complex Systems Theoretical, Mathematical and Computational Physics Systems Biology Quantum Computing	239.98
1270	Howard Tigelaar	How Transistor Area Shrank by 1 Million Fold	General interest	2020	http://link.springer.com/978-3-030-40021-7	978-3-030-40021-7	Applied and Technical Physics Circuits and Systems Logic Design	73.98
1271	Gennadii V. Demidenko; Evgeniy Romenski; Eleuterio Toro; Michael Dumbser	Continuum Mechanics, Applied Mathematics and Scientific Computing: Godunov's Legacy	Monograph	2020	http://link.springer.com/978-3-030-38870-6	978-3-030-38870-6	Mathematical Methods in Physics Partial Differential Equations Solid Mechanics Characterization and Evaluation of Materials	239.98
1272	Caterina AM La Porta; Stefano Zapperi; Luciano Pilotti	Understanding Innovation Through Exaptation	Monograph	2020	http://link.springer.com/978-3-030-45784-6	978-3-030-45784-6	Complex Systems Systems Biology Evolutionary Biology Cancer Research Urbanism	159.98

1273	Alexander A. Bortsov; Yuri B. Il'in; Sergey M. Smolskiy	Laser Optoelectronic Oscillators	Monograph	2020	http://link.springer.com/978-3-030-45700-6	978-3-030-45700-6	Optics, Lasers, Photonics, Optical Devices Microwaves, RF and Optical Engineering Optical and Electronic Materials Classical Electrodynamics	239.98
1274	Jonathan Cripe	Broadband Measurement and Reduction of Quantum Radiation Pressure Noise in the Audio Band	Monograph	2020	http://link.springer.com/978-3-030-45031-1	978-3-030-45031-1	Classical and Quantum Gravitation, Relativity Theory Quantum Optics Astrophysics and Astroparticles	239.98
1275	Gregory I. Redfern	Astrophotography is Easy!	General interest	2020	http://link.springer.com/978-3-030-45943-7	978-3-030-45943-7	Popular Science in Astronomy Astronomy, Observations and Techniques Photography	45.98
1276	Paulo André Dias Gonçalves	Plasmonics and Light–Matter Interactions in Two-Dimensional Materials and in Metal Nanostructures	Monograph	2020	http://link.springer.com/978-3-030-38291-9	978-3-030-38291-9	Optics, Lasers, Photonics, Optical Devices Nanoscale Science and Technology Surface and Interface Science, Thin Films Quantum Physics	239.98
1277	Leonard Susskind	Three Lectures on Complexity and Black Holes	Brief	2020	http://link.springer.com/978-3-030-45109-7	978-3-030-45109-7	Quantum Field Theories, String Theory Theoretical Astrophysics Cosmology Thermodynamics Applications of Graph Theory and Complex Networks Classical and Quantum Gravitation, Relativity Theory	99.98
1278	Joseph N. Pelton; Scott Madry	Handbook of Small Satellites	Handbook	2020	http://link.springer.com/978-3-030-36308-6	978-3-030-36308-6	Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics Communications Engineering, Networks Monitoring/Environmental Analysis	1299.98

1279	Udo W. Pohl	Epitaxy of Semiconductors	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-43869-2	978-3-030-43869-2	Semiconductors Optical and Electronic Materials Physical Chemistry Crystallography and Scattering Methods Nanotechnology and Microengineering Microwaves, RF and Optical Engineering	389
1280	Hiqmet Kamberaj	Molecular Dynamics Simulations in Statistical Physics: Theory and Applications	Monograph	2020	http://link.springer.com/978-3-030-35702-3	978-3-030-35702-3	Numerical and Computational Physics, Simulation Theoretical and Computational Chemistry Computational Biology/Bioinformatics Atomic/Molecular Structure and Spectra Characterization and Evaluation of Materials Physical Chemistry	239.98
1281	Arindam Biswas; Amit Banerjee; Aritra Acharyya; Hiroshi Inokawa; Jintendra Nath Roy	Emerging Trends in Terahertz Solid-State Physics and Devices	Monograph	2020	http://link.springer.com/978-981-15-3235-1	978-981-15-3235-1	Optics, Lasers, Photonics, Optical Devices Solid State Physics Biomedical Engineering and Bioengineering Nanotechnology Electronic Circuits and Devices Signal, Image and Speech Processing	219.98
1282	Moritz Helias; David Dahmen	Statistical Field Theory for Neural Networks	Monograph	2020	http://link.springer.com/978-3-030-46444-8	978-3-030-46444-8	Statistical Physics and Dynamical Systems Neurosciences Machine Learning Mathematical Models of Cognitive Processes and Neural Networks Probability and Statistics in Computer Science	119.98

1283	Axel Hutt; Hermann Haken	Synergetics	Handbook	2020	http://link.springer.com/978-1-0716-0421-2	978-1-0716-0421-2	Applications of Nonlinear Dynamics and Chaos Theory Mathematical Models of Cognitive Processes and Neural Networks Complexity Systems Biology Statistical Physics and Dynamical Systems Complex Systems	699.98
1284	Mikhail I. Dyakonov	Will We Ever Have a Quantum Computer?	Brief	2020	http://link.springer.com/978-3-030-42019-2	978-3-030-42019-2	Popular Science in Physics Quantum Information Technology, Spintronics Quantum Physics Quantum Computing Popular Computer Science	99.98
1285	Gianpaolo Carosi; Gray Rybka	Microwave Cavities and Detectors for Axion Research	Proceedings	2020	http://link.springer.com/978-3-030-43761-9	978-3-030-43761-9	Particle Acceleration and Detection, Beam Physics Astrophysics and Astroparticles Low Temperature Physics Elementary Particles, Quantum Field Theory	242.97
1286	Christina Papenfuß	Continuum Thermodynamics and Constitutive Theory	Monograph	2020	http://link.springer.com/978-3-030-43989-7	978-3-030-43989-7	Thermodynamics Theoretical and Applied Mechanics Theoretical, Mathematical and Computational Physics Soft and Granular Matter, Complex Fluids and Microfluidics Materials Science, general	219.98
1287	V. K. B. Kota	SU(3) Symmetry in Atomic Nuclei	Monograph	2020	http://link.springer.com/978-981-15-3603-8	978-981-15-3603-8	Particle and Nuclear Physics Solid State Physics Mathematical Physics Group Theory and Generalizations	199.98

1288	Maurizio Dapor	Transport of Energetic Electrons in Solids	Monograph	2020	http://link.springer.com/978-3-030-43264-5	978-3-030-43264-5	Solid State Physics Numerical and Computational Physics, Simulation Characterization and Evaluation of Materials Mathematical and Computational Engineering Particle Acceleration and Detection, Beam Physics	219.98
1289	Chang Q Sun	Electron and Phonon Spectrometrics	Monograph	2020	http://link.springer.com/978-981-15-3176-7	978-981-15-3176-7	Atomic/Molecular Structure and Spectra Spectroscopy/Spectrometry Nanotechnology and Microengineering	279.98
1290	Katsuyuki Morii; Hirohiko Fukagawa	Air-Stable Inverted Organic Light-Emitting Diodes	Brief	2020	http://link.springer.com/978-3-030-18514-5	978-3-030-18514-5	Optics, Lasers, Photonics, Optical Devices Microwaves, RF and Optical Engineering Optical and Electronic Materials Semiconductors	99.98
1291	Wolfgang Osterhage	Johannes Kepler	Biography	2020	http://link.springer.com/978-3-030-46858-3	978-3-030-46858-3	Astronomy, Astrophysics and Cosmology History and Philosophical Foundations of Physics Popular Science in Astronomy Geometry	139.98
1292	Bruce Cameron Reed	Manhattan Project	General interest	2020	http://link.springer.com/978-3-030-45734-1	978-3-030-45734-1	Popular Science in Physics History and Philosophical Foundations of Physics Nuclear Physics, Heavy Ions, Hadrons Nuclear Chemistry	73.98
1293	David E. Falkner	The Mythology of the Night Sky	General interest	2020	http://link.springer.com/978-3-030-47694-6	978-3-030-47694-6	Astronomy, Astrophysics and Cosmology Popular Science in Astronomy	49.98
1294	Felix Finster; Domenico Giulini; Johannes Kleiner; Jürgen Tolksdorf	Progress and Visions in Quantum Theory in View of Gravity	Proceedings	2020	http://link.springer.com/978-3-030-38941-3	978-3-030-38941-3	Classical and Quantum Gravitation, Relativity Theory Mathematical Physics	259.98

1295	Wladimir-Georges Boskoff; Salvatore Capozziello	A Mathematical Journey to Relativity	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-47894-0	978-3-030-47894-0	Mathematical Methods in Physics Classical and Quantum Gravitation, Relativity Theory Theoretical, Mathematical and Computational Physics Quantum Physics Differential Geometry	389
1296	Vladimir Vavilov; Douglas Burleigh	Infrared Thermography and Thermal Nondestructive Testing	Monograph	2020	http://link.springer.com/978-3-030-48002-8	978-3-030-48002-8	Measurement Science and Instrumentation Characterization and Evaluation of Materials Microwaves, RF and Optical Engineering Building Materials	242.97
1297	Zvi Rosenberg; Erez Dekel	Terminal Ballistics	Monograph	2020	http://link.springer.com/978-3-030-46612-1	978-3-030-46612-1	Classical Mechanics Structural Materials Solid Mechanics Security Science and Technology Engineering Design Metallic Materials	219.98
1298	Andrew May	The Science of Sci-Fi Music	General interest	2020	http://link.springer.com/978-3-030-47833-9	978-3-030-47833-9	Popular Science in Physics Acoustics Mathematics in Music Music	39.98
1299	Anosh Joseph	Markov Chain Monte Carlo Methods in Quantum Field Theories	Brief	2020	http://link.springer.com/978-3-030-46044-0	978-3-030-46044-0	Numerical and Computational Physics, Simulation Elementary Particles, Quantum Field Theory Quantum Field Theories, String Theory	99.98
1300	S. V. Gupta	Units of Measurement	Monograph	2020	http://link.springer.com/978-3-030-43969-9	978-3-030-43969-9	Measurement Science and Instrumentation Characterization and Evaluation of Materials History and Philosophical Foundations of Physics Engineering, general	239.98

1301	Alexander D. Pogrebnjak; Maksym Pogorielov; Roman Viter	Nanomaterials in Biomedical Application and Biosensors (NAP-2019)	Proceedings	2020	http://link.springer.com/978-981-15-3996-1	978-981-15-3996-1	Biological and Medical Physics, Biophysics Biomaterials Biomedical Engineering and Bioengineering Nanoscale Science and Technology Nanotechnology and Microengineering Nanotechnology	299.98
1302	Nicola Cufaro Petroni	Probability and Stochastic Processes for Physicists	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-48408-8	978-3-030-48408-8	Mathematical Methods in Physics Probability Theory and Stochastic Processes Theoretical, Mathematical and Computational Physics Dynamical Systems and Ergodic Theory Vibration, Dynamical Systems, Control Quantum Physics	389
1303	Giuliano Gadioli La Guardia	Quantum Error Correction	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-48551-1	978-3-030-48551-1	Quantum Information Technology, Spintronics Quantum Computing Coding and Information Theory Communications Engineering, Networks	389
1304	Andrea Cataldo; Nicola Giaquinto; Egidio De Benedetto; Antonio Masciullo; Giuseppe Cannazza; Ilaria Lorenzo; Jacopo Nicolazzo; Maria Teresa Meo; Alessando De Monte; Gianluca Parisi; Federico Gaetani	Basic Theory and Laboratory Experiments in Measurement and Instrumentation	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-46740-1	978-3-030-46740-1	Measurement Science and Instrumentation Electronics and Microelectronics, Instrumentation Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences	389

1305	Lawrence Horwitz; Yosef Strauss	Unstable Systems	Monograph	2020	http://link.springer.com/978-3-030-31570-2	978-3-030-31570-2	Quantum Physics Elementary Particles, Quantum Field Theory Mathematical Physics	199.98
1306	Mario Rocca; Talat Rahman; Luca Vattuone	Springer Handbook of Surface Science	Handbook	2020	http://link.springer.com/978-3-030-46906-1	978-3-030-46906-1	Surface and Interface Science, Thin Films Surfaces and Interfaces, Thin Films Measurement Science and Instrumentation Characterization and Evaluation of Materials Crystallography and Scattering Methods Nanoscale Science and Technology	698
1307	Steven R. Gullberg	Astronomy of the Inca Empire	Monograph	2020	http://link.springer.com/978-3-030-48366-1	978-3-030-48366-1	Astronomy, Observations and Techniques History of Science History of the Americas History and Philosophical Foundations of Physics Cosmology	239.98
1308	Giovanni Battimelli; Giovanni Ciccotti; Pietro Greco; Giuliana Giobbi	Computer Meets Theoretical Physics	General interest	2020	http://link.springer.com/978-3-030-39399-1	978-3-030-39399-1	Numerical and Computational Physics, Simulation History and Philosophical Foundations of Physics Theoretical and Computational Chemistry Popular Science in Physics Simulation and Modeling Data-driven Science, Modeling and Theory Building	73.98
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1310	Polaritonic Chemistry	Polaritonic Chemistry	Monograph	2020	http://link.springer.com/978-3-030-48698-3	978-3-030-48698-3	Optics, Lasers, Photonics, Optical Devices Quantum Physics Quantum Optics Inorganic Chemistry Organic Chemistry Physical Chemistry	259.98
1311	Eberhard J. Jaeschke; Shaukat Khan; Jochen R. Schneider; Jerome B. Hastings	Synchrotron Light Sources and Free-Electron Lasers	Handbook	2020	http://link.springer.com/978-3-030-23201-6	978-3-030-23201-6	Classical Electrodynamics Characterization and Evaluation of Materials Physical Chemistry Imaging / Radiology Measurement Science and Instrumentation Biological and Medical Physics, Biophysics	1999.98
1312	Andreas Kaidatzis; Serhii Sidorenko; Igor Vladymyrskyi; Dimitrios Niarchos	Modern Magnetic and Spintronic Materials	Proceedings	2020	http://link.springer.com/978-94-024-2034-0	978-94-024-2034-0	Magnetism, Magnetic Materials Nanotechnology Quantum Information Technology, Spintronics	179.98
1313	Thomas P. Pearsall	Quantum Photonics	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-47325-9	978-3-030-47325-9	Quantum Optics Optics, Lasers, Photonics, Optical Devices Microwaves, RF and Optical Engineering Optical and Electronic Materials Nanoscale Science and Technology	389
1314	Mark Gallaway	An Introduction to Observational Astrophysics	Undergraduate textbook	2020	http://link.springer.com/978-3-030-43551-6	978-3-030-43551-6	Astronomy, Astrophysics and Cosmology Optics, Lasers, Photonics, Optical Devices	389
1315	Ermis Mitsou; Jaiyul Yoo	Tetrad Formalism for Exact Cosmological Observables	Brief	2020	http://link.springer.com/978-3-030-50039-9	978-3-030-50039-9	Cosmology Classical and Quantum Gravitation, Relativity Theory	99.98
1316	Giovanni Moruzzi	Essential Python for the Physicist	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-45027-4	978-3-030-45027-4	Numerical and Computational Physics, Simulation Programming Techniques Numeric Computing Computer Graphics	389

1317	Feng Chen; Hiroshi Amekura; Yuechen Jia	Ion Irradiation of Dielectrics for Photonic Applications	Monograph	2020	http://link.springer.com/978-981-15-4607-5	978-981-15-4607-5	Optics, Lasers, Photonics, Optical Devices Nanoscale Science and Technology Optical and Electronic Materials Applied Science, multidisciplinary	239.98
1318	Hal Tasaki	Physics and Mathematics of Quantum Many-Body Systems	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-41265-4	978-3-030-41265-4	Strongly Correlated Systems, Superconductivity Mathematical Physics Statistical Physics and Dynamical Systems Phase Transitions and Multiphase Systems Mathematical Methods in Physics	389
1319	Jacob Kegerreis	Planetary Giant Impacts	Monograph	2020	http://link.springer.com/978-3-030-49958-7	978-3-030-49958-7	Astronomy, Astrophysics and Cosmology Astrophysics and Astroparticles Theoretical, Mathematical and Computational Physics	239.98
1320	John O'Sullivan	European Missions to the International Space Station	General interest	2020	http://link.springer.com/978-3-030-30326-6	978-3-030-30326-6	Popular Science in Technology Aerospace Technology and Astronautics Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics)	59.98
1321	Steven J. Dick	Space, Time, and Aliens	Monograph	2020	http://link.springer.com/978-3-030-41614-0	978-3-030-41614-0	Astrobiology Cosmology History of Science	239.98
1322	Cam Nguyen; Youngman Um	Multiband Dual-Function CMOS RFIC Filter-Switches	Brief	2020	http://link.springer.com/978-3-030-46248-2	978-3-030-46248-2	Electronic Circuits and Devices Microwaves, RF and Optical Engineering Circuits and Systems Optical and Electronic Materials	99.98
1323	Manfred “Dutch” von Ehrenfried	The Artemis Lunar Program	General interest	2020	http://link.springer.com/978-3-030-38513-2	978-3-030-38513-2	Popular Science in Astronomy Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Aerospace Technology and Astronautics	53.98

1324	Alexander S. Blum; Roberto Lalli; Jürgen Renn	The Renaissance of General Relativity in Context	Contributed volume	2020	http://link.springer.com/978-3-030-50754-1	978-3-030-50754-1	History of Mathematical Sciences Classical and Quantum Gravitation, Relativity Theory Mathematical Physics	186.9
1325	Anjan Giri; Rukmani Mohanta	Workshop on Frontiers in High Energy Physics 2019	Proceedings	2020	http://link.springer.com/978-981-15-6292-1	978-981-15-6292-1	Elementary Particles, Quantum Field Theory Nuclear Physics, Heavy Ions, Hadrons Cosmology	399.98
1326	Zhuangde Jiang; Shuming Yang	Precision Machines	Handbook	2020	http://link.springer.com/978-981-13-0381-4	978-981-13-0381-4	Measurement Science and Instrumentation Manufacturing, Machines, Tools, Processes Surfaces and Interfaces, Thin Films	759.98
1327	P. Kenneth Seidelmann; Catherine Y. Hohenkerk	The History of Celestial Navigation	Monograph	2020	http://link.springer.com/978-3-030-43631-5	978-3-030-43631-5	Astronomy, Observations and Techniques History of Science Geographical Information Systems/Cartography History of Technology	239.98
1328	Yangmei Li		Monograph	2020	http://link.springer.com/978-3-030-50116-7	978-3-030-50116-7	Plasma Physics Particle and Nuclear Physics Measurement Science and Instrumentation	219.98
1329	Gerald Schuller	Filter Banks and Audio Coding	Graduate/advanced undergraduate textbook	2020	http://link.springer.com/978-3-030-51249-1	978-3-030-51249-1	Signal, Image and Speech Processing Engineering Acoustics Acoustics User Interfaces and Human Computer Interaction Computer Appl. in Social and Behavioral Sciences	389
1330	Otto E. Rössler; Christophe Letellier	Chaos	Monograph	2020	http://link.springer.com/978-3-030-44305-4	978-3-030-44305-4	Applications of Nonlinear Dynamics and Chaos Theory Statistical Physics and Dynamical Systems Complexity	219.98

1331	Johann Friedrich Julius Schmidt; Stephen Harvey	The Moon	Monograph	2020	http://link.springer.com/978-3-030-37269-9	978-3-030-37269-9	Planetary Sciences History and Philosophical Foundations of Physics History of Science Geophysics/Geodesy Geographical Information Systems/Cartography Astronomy, Observations and Techniques	199.98
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1421	Dario Di Maio; Javad Baqersad	Rotating Machinery, Optical Methods & Scanning LDV Methods, Volume 6	Proceedings	2020	http://link.springer.com/978-3-030-47721-9	978-3-030-47721-9	Machinery and Machine Elements Aerospace Technology and Astronautics Optics, Lasers, Photonics, Optical Devices Mechanical Statics and Structures	399.98
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