



Release 4 Titles

The following table confirms the titles that form part of IOP ebooks - Release 4. This contains 80 books.

Those in **bold** below are titles that have been published and confirmed within the release.

All other titles are forthcoming but due to be published as part of this release (*titles may vary as the individual titles included in the release are determined chronologically by electronic publication date)

Release	Collection	Title	Author	ebook ISBN	URL	Subject Category	Status	Expected Pub Date
4	Expanding Physics	Critical Questions in Biological Physics	Waigh, T	978-0-7503-1374-2	http://iopscience.iop.org/book/978-0-7503-1375-9	Biophysics	Published	set-17
4	Expanding Physics	Free Electron coherent source of electromagnetic radiation and new acceleration schemes	Dattoli, G	978-0-7503-1239-4	http://iopscience.iop.org/book/978-0-7503-1239-4	Plasma Physics	Published	set-17
4	Expanding Physics	Sun Protection - A risk management approach	Diffey, B	978-0-7503-1377-3	http://iopscience.iop.org/book/978-0-7503-1377-3	Biophysics	Published	ott-17
4	Expanding Physics	Solitons in Crystalline Processes	Fujimoto, M	978-0-7503-1514-2	http://iopscience.iop.org/book/978-0-7503-1514-2	Condensed Matter Physics	Published	ott-17
4	Expanding Physics	Time and Time Again - Determination of longitude at sea in the 17th century	de Grijis, R	978-0-7503-1194-6	http://iopscience.iop.org/book/978-0-7503-1194-6	General & Introductory Physics	Published	nov-17
4	Expanding Physics	Precise Dimensions - A History of Units from 1791-2018	Cooper, M	978-0-7503-1487-9	http://iopscience.iop.org/book/978-0-7503-1487-9	General & Introductory Physics	Published	nov-17
4	Expanding Physics	RF-MEMS Technology for High-Performance Passives - The challenge of 5G mobile applications	Iannacci, J	978-0-7503-1545-6	http://iopscience.iop.org/book/978-0-7503-1545-6	Applied Physics	Published	nov-17
4	Expanding Physics	Optical Properties of Graphene in Magnetic and Electric Fields	Lin, C Y	978-0-7503-1566-1	http://iopscience.iop.org/book/978-0-7503-1566-1	Materials Science	Published	Dec-17
4	Expanding Physics	Theory of Magnetoelectric Properties of 2D Systems	Chen, S-C	978-0-7503-1674-3	http://iopscience.iop.org/book/978-0-7503-1674-3	Condensed Matter Physics	Published	dic-17
4	Expanding Physics	Physics of Shock and Impact, Volume 1 - Fundamentals and Failure	Grady, D	978-0-7503-1254-7	http://iopscience.iop.org/book/978-0-7503-1254-7	Applied Physics	Published	dic-17
4	Expanding Physics	Practical Radiobiology for Proton Therapy Planning	Jones, B	978-0-7503-1338-4	http://iopscience.iop.org/book/978-0-7503-1338-4	Medical Physics & Biomedical Engineering	Published	dic-17
4	Expanding Physics	Climate Change Resilience in Urban Environments	Kershaw, T	978-0-7503-1197-7	http://iopscience.iop.org/book/978-0-7503-1197-7	Environmental Physics & Clean Technology	Published	dic-17
4	Expanding Physics	Wearable Sensors - Applications, design and implementation	Mukhopadhyay, S	978-0-7503-1505-0	http://iopscience.iop.org/book/978-0-7503-1505-0	Metrology, Instrumentation & Sensors	Published	dic-17
4	Expanding Physics	Theoretical Fluid Mechanics	Fitzpatrick, R	978-0-7503-1554-8	http://iopscience.iop.org/book/978-0-7503-1554-8	Dynamics & Fluid Dynamics	Published	dic-17
4	Expanding Physics	Silicon Photonics - Electromagnetic Theory	Westerveld, W	978-0-7503-1386-5	http://iopscience.iop.org/book/978-0-7503-1386-5	Lasers, Optics & Photonics	Published	dic-17
4	Expanding Physics	Nonlinear Guided Wave Optics - A testbed for extreme waves	Wabnitz, S	978-0-7503-1460-2	http://iopscience.iop.org/book/978-0-7503-1460-2	Lasers, Optics & Photonics	Published	dic-17
4	Expanding Physics	Essential Advanced Physics, Volume 1 - Lecture notes in Classical Mechanics	Likharev, K	978-0-7503-1398-8	http://iopscience.iop.org/book/978-0-7503-1398-8	General & Introductory Physics	Published	dic-17
4	Expanding Physics	Physics of Shock and Impact, Volume 2 - Materials and shock	Grady, D	978-0-7503-1257-8	http://iopscience.iop.org/book/978-0-7503-1257-8	Materials Science	Published	dic-17
4	Expanding Physics	Rotation, Reflection, and Frame Changes - Orthogonal tensors in the context of engineering mechanics	Brannon, R	978-0-7503-1454-1		Engineering & Industrial Physics	Forthcoming	gen-18
4	Expanding Physics	Essential Advanced Physics: Volume 2 - Problems and solutions in Classical Mechanics	Likharev, K	978-0-7503-1401-5		General & Introductory Physics	Forthcoming	gen-18

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Release	Collection	Provisional Title	Author	ebook ISBN	URL	Subject Category	Status	Publication/Expected
4	Concise Physics	Applied Digital Logic Exercises Using FPGAs	Wick, K	978-1-6817-4660-9	http://iopscience.iop.org/book/978-1-6817-4660-9	Mathematical & Computational Physics	Published	set-17
4	Concise Physics	Quantum Chemistry: A Concise Introduction 2nd edition	Thakkar, A J	978-1-6817-4637-1	http://iopscience.iop.org/book/978-1-6817-4637-1	Atomic and Molecular Physics	Published	set-17
4	Concise Physics	Entrepreneurship for Physicists - A practical guide to move inventions from university to market	Iannuzzi, D	978-1-6817-4668-5	http://iopscience.iop.org/book/978-1-6817-4668-5	General & Introductory Physics	Forthcoming	ott-17
4	Concise Physics	Essential Mathematics for the Physical Sciences - Homogeneous boundary value problems, Fourier methods, and special functions: Volume 1	Borden, B	978-1-6817-4485-8	http://iopscience.iop.org/book/978-1-6817-4485-8	Mathematical & Computational Physics	Published	ott-17
4	Concise Physics	Carbon Nanotubes in Drug and Gene Delivery	Karimi, M	978-1-6817-4261-8	http://iopscience.iop.org/book/978-1-6817-4261-8	Nanoscience & Nanotechnology	Published	ott-17
4	Concise Physics	The Tai Chi in Star Formation	Li, H-B	978-1-6817-4293-9	http://iopscience.iop.org/book/978-1-6817-4293-9	Astronomy & Astrophysics	Published	ott-17
4	Concise Physics	Introduction to Halo Nuclei	Al-Khalili, J	978-1-6817-4581-7	http://iopscience.iop.org/book/978-1-6817-4581-7	Nuclear Physics	Published	ott-17
4	Concise Physics	Journey Into Reciprocal Space - A crystallographer's perspective	Glazer, A M	978-1-6817-4621-0	http://iopscience.iop.org/book/978-1-6817-4621-0	Condensed Matter Physics	Published	ott-17
4	Concise Physics	The Physical Microbe - An introduction to noise, control, and communication in the prokaryotic cell	Hagen, S J	978-1-6817-4529-9	http://iopscience.iop.org/book/978-1-6817-4529-9	Biophysics	Published	ott-17
4	Concise Physics	An Introduction to the Gas Phase	Vallance, C	978-1-6817-4692-0	http://iopscience.iop.org/book/978-1-6817-4692-0	Chemical Physics	Published	nov-17
4	Concise Physics	Origins of Life: A Cosmic Perspective	Whittet, D	978-1-6817-4676-0	http://iopscience.iop.org/book/978-1-6817-4676-0	Astronomy & Astrophysics	Published	nov-17
4	Concise Physics	Stochastic Gravitational Wave Background Theory	Colacino, C N	978-1-6817-4082-9	http://iopscience.iop.org/book/978-1-6817-4082-9	Gravitational Physics & Cosmology	Published	dic-17
4	Concise Physics	Electromagnetic Waves and Lasers	Kimura, W D	978-1-6817-4613-5	http://iopscience.iop.org/book/978-1-6817-4613-5	Lasers, Optics & Photonics	Published	dic-17
4	Concise Physics	Photomedicine and stem cells - The Janus face of photodynamic therapy (PDT) to kill cancer stem cells, and photobiomodulation (PBM) to stimulate normal stem cells	Abrahamse, H	978-1-6817-4321-9	http://iopscience.iop.org/book/978-1-6817-4321-9	Medical Physics & Biomedical Engineering	Published	dic-17
4	Concise Physics	Musical Sound, Instruments and Equipment	Photinos, P	978-1-6817-4680-7	http://iopscience.iop.org/book/978-1-6817-4680-7	General & Introductory Physics	Published	dic-17
4	Concise Physics	Creating Materials with a Desired Refraction Coefficient	Ramm, A	978-1-6817-4708-8	http://iopscience.iop.org/book/978-1-6817-4708-8	Condensed Matter Physics	Published	dic-17
4	Concise Physics	Theories of Matter, Space and Time - Classical theories	Evans, N	978-1-6817-4696-8	http://iopscience.iop.org/book/978-1-6817-4696-8	Classical Physics	Published	dic-17
4	Concise Physics	Essential Fluid Dynamics - For scientists	Braithwaite, J	978-1-6817-4597-8	http://iopscience.iop.org/book/978-1-6817-4597-8	Dynamics & Fluid Dynamics	Published	dic-17
4	Concise Physics	What's the Matter with Waves - An introduction to techniques and applications of quantum mechanics	Parkinson, W	978-1-6817-4577-0	http://iopscience.iop.org/book/978-1-6817-4577-0	Quantum Physics	Published	dic-17
4	Concise Physics	Waves - Fundamental and Dynamics	Yoshida, S	978-1-6817-4573-2	http://iopscience.iop.org/book/978-1-6817-4573-2	Dynamics & Fluid Dynamics	Published	dic-17
4	Concise Physics	Lattice Boltzmann Modeling of Complex Flows for Engineering Applications	Montessori, A	978-1-6817-4672-2		Dynamics & Fluid Dynamics	Forthcoming	gen-18
4	Concise Physics	An introduction to Quantum Communications Networks - Or, how shall we communicate in the quantum era?	Razavi, M	978-1-6817-4653-1		Quantum Information & Computing	Forthcoming	gen-18
4	Concise Physics	Quantum Metrology with Photoelectrons, Volume 1 - Foundations	Hockett, P	978-1-6817-4672-2		Quantum Physics	Forthcoming	gen-18
4	Concise Physics	Quantum Metrology with Photoelectrons, Volume 2 - Applications and Advances	Hockett, P	978-1-6817-4688-3		Quantum Physics	Forthcoming	gen-18
4	Concise Physics	High Power Microwave Tubes: Volume 1 - Basics and trends	Kesari, V	978-1-6817-4561-9		Electricity, Magnetism & Electrodynamics	Forthcoming	gen-18
4	Concise Physics	High Power Microwave Tubes: Volume 2 - Basics and trends	Kesari, V	978-1-6817-4704-0		Electricity, Magnetism & Electrodynamics	Forthcoming	gen-18
4	Concise Physics	Topological insulators and superconductors: Volume 2	Kotetes, P	978-1-6817-4633-3		Nanoscience & Nanotechnology	Forthcoming	2018
4	Concise Physics	The RMT Approach for Multiphoton Quantum Dynamics	Nikolopoulos, L A A	978-1-6817-4712-5		Quantum Physics	Forthcoming	2018

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4	Concise Physics	How to Understand Quantum Mechanics	Ralston, J	978-1-6817-4226-7		Quantum Physics	Forthcoming	2018
4	Concise Physics	Of Clocks and Time	Hüwel, L	978-1-6817-4096-6		General & Introductory Physics	Forthcoming	2018
4	Concise Physics	Gravity, Magnetic and Electromagnetic Gradiometry - Strategic technology in the 21st century	Veryaskin, A V	978-1-6817-4700-2		Applied Physics	Forthcoming	2018
4	Concise Physics	Ancient Hindu Science - It's Transmission and Impact on World Cultures	Kumar, A	978-1-6817-4545-9		General & Introductory Physics	Forthcoming	2018
4	Concise Physics	Generation and Detection of Gravitational Waves	Babak, S	978-1-6817-4649-4			Forthcoming	2018
4	Concise Physics	Physics and Music: From Pythagoras to the Big Bang Theory	Chaloupka, V	978-1-6817-4313-4			Forthcoming	2018
4	Concise Physics	Physics and Music: Transdisciplinary Reasoning, Calculations and Reflections	Chaloupka, V				Forthcoming	2018
4	Concise Physics	Cosmic Rays	Hanson, K	978-1-6817-4525-1			Forthcoming	2018
4	Concise Physics	Superconductivity from Repulsive Interactions	Baeriswyl, D	978-1-6817-4070-6			Forthcoming	2018
4	Concise Physics	Thermal Properties of Matter	Khachan, J	978-1-6817-4585-5			Forthcoming	2018
4	Concise Physics	General Relativity and the Dirac Equation	Brennan, T E	978-1-6817-4533-6			Forthcoming	2018
4	Concise Physics	Gravitational Waves	Feldbaum, D	978-1-6817-4589-3			Forthcoming	2018
4	Concise Physics	Surface Science	Goncharova, L	978-1-6817-4617-3			Forthcoming	2018
4	Concise Physics	Introduction to Noise Radar	Narayanan, R	978-1-6817-4317-2			Forthcoming	2018
4	Concise Physics	An Introduction to the Polaron Problem	Mattis, D	978-1-6817-4106-2			Forthcoming	2018
4	Concise Physics	The Violent Universe - How gamma-ray astronomy is changing our view of the cosmos	Millis, J P	978-1-6817-4381-3			Forthcoming	2018
4	Concise Physics	Physics and X-ray Protein Crystallography	Batra, J				Forthcoming	2018
4	Concise Physics	Relativity, Symmetry, and the Structure of Quantum Theory <small>Point form quantum theory</small>	Klink, W H				Forthcoming	2018
4	Concise Physics	Essential Methods in Mathematical Physics: Volume 2	Borden, B	978-1-6817-4485-8			Forthcoming	2018
4	Concise Physics	Dyadic Green Functions	Faryad, M	978-1-6817-4557-2			Forthcoming	2018
4	Concise Physics	String Theory: A Short Modern Primer	Abou-Zeid, M	978-1-6817-4657-9			Forthcoming	2018
4	Concise Physics	Neurophotonics	Mohanty, S K	978-1-6817-4397-4			Forthcoming	2018

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4	AAS IOP Astronomy	Understanding Stellar Evolution	Lamers, H	978-0-7503-1278-3	http://iopscience.iop.org/book/978-0-7503-1278-3	Astronomy & Astrophysics	Published	dic-17
4	AAS IOP Astronomy	Astrophysics of Red Supergiants	Levesque, E M	978-0-7503-1329-2	http://iopscience.iop.org/book/978-0-7503-1329-2	Astronomy & Astrophysics	Published	dic-17
4	AAS IOP Astronomy	Astrophysical Recipes: The Art of AMUSE	Portegies Zwart, S	978-0-7503-1320-9		Astronomy & Astrophysics	Forthcoming	feb-18
4	AAS IOP Astronomy	Gas Phase Chemistry in Space - From elementary particles to complex organic molecules	Lique, F	978-0-7503-1425-1		Astronomy & Astrophysics	Forthcoming	mag-18
4	AAS IOP Astronomy	Eclipsing Binary Stars	Prša, A	978-0-7503-1287-5		Astronomy & Astrophysics	Forthcoming	mag-18
4	AAS IOP Astronomy	Essentials of Nucleosynthesis and Theoretical Nuclear Astrophysics	Rauscher, T	978-0-7503-1149-6		Astronomy & Astrophysics	Forthcoming	mag-18
4	AAS IOP Astronomy	Time-Domain Studies of the Andromeda Galaxy	Lee, C-H	978-0-7503-1353-7		Astronomy & Astrophysics	Forthcoming	mag-18
4	AAS IOP Astronomy	Interstellar Flow and Star Formation	Vázquez-Semadeni, E	978-0-7503-1290-5		Astronomy & Astrophysics	Forthcoming	lug-18
4	AAS IOP Astronomy	Gamma-ray Bursts	Levan, A	978-0-7503-1502-9		Astronomy & Astrophysics	Forthcoming	set-18
4	AAS IOP Astronomy	Radio Pulsar Statistics	Lorimer, D	978-0-7503-1070-3		Astronomy & Astrophysics	Forthcoming	set-18

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