**表2. SCOAP3首批开放获取图书清单**

| **序号** | **出版社** | **书名** | **出版年** |
| --- | --- | --- | --- |
| 1 | CUP | Advanced Concepts in Particle and Field Theory | 2015 |
| 2 | CUP | Classical Covariant Fields | 2002 (print) 2009 (online) |
| 3 | CUP | Conformal Methods in General Relativity | 2016 |
| 4 | CUP | CP Violation 2nd ed | 2009 (print)2010 (online)  |
| 5 | CUP | D-Branes | 2002 (paper)2005 (online) |
| 6 | CUP | Data Analysis Techniques for High-Energy Physics 2nd ed | 2000 (paper)2012 (online) |
| 7 | CUP | Detectors for Particle Radiation 2nd ed | 1998 (paper)  |
| 8 | CUP | Dynamics of Charged Particles and their Radiation Field | 2004 (paper)2006 (online) |
| 9 | CUP | Dynamics of the Standard Model 2nd ed | 2014 |
| 10 | CUP | Electron Scattering for Nuclear and Nucleon Structure | 2001 (paper)2005 (online) |
| 11 | CUP | Electroweak Theory | 2007 |
| 12 | CUP | Finite-Temperature Field Theory: Pricnciples and Applications 2nd ed | 2006 |
| 13 | CUP | Foundations of Perturbative QCD | 2011 |
| 14 | CUP | Gaseous Radiation Detectors | 2014 |
| 15 | CUP | Gauge/String Duality, Hot QCD and Heavy Ion Collisions | 2014 |
| 16 | CUP | Hadrons at Finite Temperature | 2016 |
| 17 | CUP | Hamiltonian Mechanics of Gauge Systems | 2011 (paper)2012 (online) |
| 18 | CUP | Harmonic Superspace | 2001 (paper)2005 (online) |
| 19 | CUP | Heavy Quark Physics | 2000 (paper)2011 (online) |
| 20 | CUP | High Pt Physics Hadron Colliders | 2004 (paper) |
| 21 | CUP | High Pt Physics in the Heavy Ion Era | 2013 |
| 22 | CUP | Introduction to Experimental Particle Physics | 1986 (paper)2011 (online) |
| 23 | CUP | An Introduction to Regge Theory and High Energy Physics | 2009 (paper) |
| 24 | CUP | Introduction to Effective Field Theory | 2020 |
| 25 | CUP | Introduction to Quantum Fields on a Lattice | 2002 (paper)2011 (online) |
| 26 | CUP | Introduction to Gauge Theories v. 1. Electroweak Interactions, the 'New Particles' and the Parton Model | 1996 (paper)2011 (online) |
| 27 | CUP | Introduction to Gauge Theories v. 2. CP-Violation, QCD and Hard Processes | 1996 (paper)2012 (online) |
| 28 | CUP | Introduction to Quantum Optics: from Light Quanta to Quantum Teleportation | 2004 (paper)2006 (online) |
| 29 | CUP | Kinks and Domain Walls: An Introduction to Classical and Quantum Solitons | 2006 |
| 30 | CUP | Knots and Feynman Diagrams | 2000 (paper)2012 (online) |
| 31 | CUP | Loops, Knots, Gauge Theories and Quantum Gravities | 2000 (paper)2011 (online) |
| 32 | CUP | Mathematics of Quantization and Quantum Fields | 2013 |
| 33 | CUP | Methods of Contemporary Gauge Theory | 2002 (paper)2004 (online) |
| 34 | CUP | Moonshine Beyond the Monster: The Bridge Connecting Algebra, Modular Forms and Physics | 2006 |
| 35 | CUP | Non-Perturbative Field Theory: From Two Dimensional Conformal Field Theory to QCD in Four Dimensions | 2010 |
| 36 | CUP | Nonequilibrium Quantum Field Theory | 2008 |
| 37 | CUP | Nuclear Superfluidity: Pairing in Finite Systems | 2005 |
| 38 | CUP | Particle Detectors 2nd ed. | 2008 |
| 39 | CUP | Particle Physics and the Schrödinger Equation | 2005 (paper)2011 (online) |
| 40 | CUP | Particle Physics of Brane World and Extra Dimensions | 2016 |
| 41 | CUP | Path Integrals and Anomalies in Curved Space | 2006 |
| 42 | CUP | The Phases of Quantum Chromodynamics: From Confinement to Extreme Environments | 2003 (paper)2004 (online) |
| 43 | CUP | Physics of Synchrotron Radiation | 2004 |
| 44 | CUP | The Pinch Technique and its Applications to Non-Abelian Gauge Theory | 2010 |
| 45 | CUP | Pomeron Physics and QCD | 2002 (paper)2004 (online) |
| 46 | CUP | Principles of Magnetostatics | 2016 |
| 47 | CUP | QCD as a Theory of Hadrons: From Partons to Confinement | 2004 (paper)2006 (online) |
| 48 | CUP | Quantum Chromodynamics: Perturbative and Nonperturbative Aspects | 2010 |
| 49 | CUP | Quantum Chromodynamics and the Pomeron | 1997 (paper)2011 (online) |
| 50 | CUP | Quantum Chromodynamics High Energy | 2012 |
| 51 | CUP | Quantum Electrodynamics: Gribov Lectures on Theoretical Physics | 2005 (paper)  |
| 52 | CUP | Renormalization: an Introduction to Renormalization, the Renormalization Group and the Operator-Product Expansion | 1986 |
| 53 | CUP | Spin in Particle Physics | 2001 (paper)2011 (online) |
| 54 | CUP | String Theory and Particle Physics: an Introduction to String Phenomenology | 2012 |
| 55 | CUP | Strong Interaction of Hadrons at High Energies: Gribov Lectures on Theoretical Physics | 2008 |
| 56 | CUP | Supersymmetric Solitons | 2009 |
| 57 | CUP | Supersymmetry and String Theory: Beyond the Standard Model 2nd ed. | 2016 |
| 58 | CUP | Supersymmetry in Particle Physics: an Elementary Introduction | 2007 |
| 59 | CUP | The Lund Model | 1998 (paper)2011 (online) |
| 60 | CUP | The Physics of Particle Detectors | 2000 (paper) |
| 61 | CUP | The Theory and Applications of Instanton Calculations | 2017 |
| 62 | CUP | Theory of Complex Angular Momenta: Gribov Lectures on Theoretical Physics | 2003 (paper)2004 (online) |
| 63 | CUP | Topological Solitons | 2004 (paper)2006 (online) |
| 64 | CUP | Weak Scale Supersymmetry: From Superfields to Scattering Events | 2006 |
| 65 | Elsevier | Fusion: the Energy of the Universe 2nd ed | 2012 |
| 66 | OUP | An Introduction to Particle Accelerators | 2001 (paper)2010 (online) |
| 67 | OUP | Bell Nonlocality | 2019 |
| 68 | OUP | CP Violation | 1999 (paper) |
| 69 | OUP | Electron-Phonon Interaction in Low-Dimensional Structures | 2003 (paper)2010 (online) |
| 70 | OUP | Elementary Scattering Theory: for X-ray and Neutron Users | 2011 (paper)2013 (online) |
| 71 | OUP | Gauge Theory of Elementary Particle Physics: Problems and Solutions | 2000 (paper) |
| 72 | OUP | Introduction to General Relativity, Black Holes and Cosmology | 2015 (paper) |
| 73 | OUP | Neutron Interferometry: Lessons in Experimental Quantum Mechanics, Wave-Particle Duality and Entaglement 2nd ed. | 2015 |
| 74 | OUP | Particle Physics in the LHC era | 2016 |
| 75 | OUP | The Black Book of Quantum Chromodynamics: a Primer for the LHC Era | 2017 (paper)2018 (online) |
| 76 | OUP | Theory of Neutron Scattering from Condensed Matter volumes I-II | 1986 (paper) |
| 77 | Springer | Effective theories in physics: From Planetary Orbits to Elementary Particle Masses (Springerbriefs in Physics) | 2012 |
| 78 | Springer | Electroweak Physics at LEP and LHC (Springer Tracts in Modern Physics 235) | 2010 |
| 79 | Springer | Experimental Techniques in Nuclear and Particle Physics | 2010 |
| 80 | Springer | Lectures on LHC Physics (Lecture Notes in Physics 886) 2nd ed | 2015 |
| 81 | Springer | Particles and Fundamental Interactions: Supplements, Problems and Solutions: A Deeper Insight into Particle Physics (Undergraduate Lecture Notes in Physics) | 2012 |
| 82 | Springer | The Nuclear Age in Popular Media: a Transnational History, 1945-1965 | 2012 |
| 83 | T&F,CRC press | A Course in Field Theory | 2013 (paper)2016 (online) |
| 84 | T&F,CRC press | An Introduction to Beam Physics  | 2014 |
| 85 | T&F,CRC press | An Introduction to Particle Physics and the Standard Model | 2009 |
| 86 | T&F,CRC press | An Introduction to the Passage of Energetic Particles through Matter  | 2006 |
| 87 | T&F,CRC press | Cosmology in Gauge Field Theory and String Theory  | 2004 (paper) |
| 88 | T&F,CRC press | Gauge Fields and Strings | 1987 (paper)2018 (online) |
| 89 | T&F,CRC press | Gauge Theories in Particle Physics: A Practical Introduction 4th ed - 2 Volume set | 2013 (paper)2021(online) |
| 90 | T&F,CRC press | Group Theory for the Standard Model of Particle Physics and Beyond | 2010 |
| 91 | T&F,CRC press | Heavy Flavour Physics Theory and Experimental Results in Heavy Quark Physics | 2002 (paper)2019 (online) |
| 92 | T&F,CRC press | Ideas and Methods of Supersymmetry and Supergravity: Or a Walk Through Superspace | 1998 (paper) |
| 93 | T&F,CRC press | Introduction to Gauge Field Theory | 1993 (paper)2019 (online) |
| 94 | T&F,CRC press | Lie Algebras in Particle Physics  | 1999 (paper)2018 (online) |
| 95 | T&F,CRC press | Supersymmetric Gauge Field Theory and String Theory | 1994 (paper) |
| 96 | T&F,CRC press | The Standard Model and Beyond | 2017 |
| 97 | T&F,CRC press | The World in Eleven Dimensions: Supergravity, Supermembranes and M-theory | 1999 (paper)2014 (online) |
| 98 | T&F,CRC press | Unifying Physics of Accelerators, Lasers and Plasma  | 2015 |
| 99 | World Scientific | Accelerator Physics 4th ed | 2019 |
| 100 | World Scientific | Challenges and Goals for Accelerators in The XXI Century | 2016 |
| 101 | World Scientific | Lattice Gauge Theories: an Introduction 4th ed. | 2012 |
| 102 | World Scientific | Quantum Theory of Angular Momentum: Irreducible Tensors, Spherical Harmonics, Vector Coupling Coefficients, 3*nj* Symbols | 1988 |