S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
1	Advanced Inorganic Chemistry, 6e	F. Albert Cotton, Geoffrey Wilkinson, Carlos A. Murillo, Manfred Bochmann	Wiley India	2015	Inorganic Chemistry	Textbook
2	Chemical Structure and Bonding	Roger L. DeKock, Harry B. Gray	The Benjamin/ Cummings Publishing Company	1980	Quantum Chemistry	Textbook
3	An Introduction to Molecular Orbital Theory	Yves Jean, Franscos Volatron, Jemery Burdett	Oxford University Press	1993	Quantum Chemistry	Textbook
4	Atoms and Molecules. An Intriduction for Students of Physical Chemistry	Martin Karplus, Richard N. Porter	W. A. Benjamin,Inc	1971	Physical Chemistry	Textbook
5	Introduction to the Thermodynamics of Materials, 5th Edition	David R. Gaskell	Taylor & Francis	2008	Thermodynamics	Textbook
6	Chemistry in Two Diamension: Surfaces	Gabor A. Somorjai	Cornell University Press	1981	Surface Science	Textbook
7	Fundamentals of Vacuum Techniques	A. Pipko, V. Pliskovsky, B. Korolev, V. Kuznetsov	MIR Publishers	1981	Surface Science	Textbook
8	Essentials of Crystallography	Y. Flint, V. Snigirevskaya	Peace Publishers	1976	Crystallography	Textbook
9	Hybrid Perovskite Solar Cells. The Genesis and Early Developments	Juan Bisquert, Emilo J. Juarez-Perez, P. V. Kamat	Fundacio Scito	2017	Perovskites	Textbook
10	Principles of Analytical Chemistry	M. Valcarcel	Springer	2000	Analytical Chemistry	Textbook
11	Quantum Mechanisncs in Simple Matrix Form	Thomas F. Jordan	Dover Publications	1986	Quantum Chemistry	Textbook
12	Physical Chemistry, Third Edition	Farrington Daniels, Robert A, Alberty	John Wiley	1966	Physical Chemistry	Textbook
13	Practical Sampling Techniques for Infrared Analysis	Patrica B. Coleman	CRC Press	1993	Analytical Chemistry	Textbook
14	Radiation Chemical Processes in Solid Phase: Theory and Application	Evginiy I. Grigoriev, Leonid I. Trakhtenberg	CRC Press	1996	Light Matter Interaction	Textbook
15	Nature Consrevation in the New Economy.People, Wildlife and the Law in India	Ghazala Shahabuddin, K. sivaramakrishnan	Orient Blackswan	2019	Environmental Scinece	Essay
16	Photovoltaic Systems Analysis and Design	A.K. Mukerjee, Nivedita Thakur	PHI Learning India	2011	Solar Cells	Textbook
17	Chemistry of Metal-Gas Interface	M. W. Roberts, C. S. McKee	Clarendon Press	1978	Surface Science	Textbook
18	Temparature Programmed Reduction for Solid Material Characterization	Alan Jones, Brian D. McNicol	CRC Press	1986	Analytical Chemistry	Textbook

19	Physical Chemistry. Statistical Mechanics	Horia Mettu	Taylor & Francis	2006	Physical Chemistry	Textbook
20	Photocatalysis. Fudamentals and Applications	Nick Serpone, Ezio Pelizzetti	John Wiley & Sons	1989	Photocatalysis	Textbook
21	On Growth and Form	D. W. Thomson	Dover Publications	1992	Surface Science	Textbook
22	One Indian Girl	Chetan Bhagat	Rupa Publications	2016	Fiction	Novel
23	Secret of Mental Math	Arthur Benjamin, Michael Shermer	Three Rivers Press	2006	Mathematics	Textbook
24	Jyothirmayiyude Kathakal	A. P. Jyothirmayi	Chintha Publishers	2017	Fiction	Story
25	Conflicts of Interest. My Journey Thorugh India's Green Movement	Sunita Narain	Penguin Random House India	2017	Environmental Scinece	Essay
26	Good Economics for Hard Times	Abhijit Banerjee, Easther Duflo	Juggernaut Books	2019	Economics	Essay
27	Flood and Furry. Ecological Devastation in the Western Ghuts	Viju B.(Two Copies are Available)	Penguin Random House India	2019	Environmental Scinece	Essay
28	Sachin Tendulkar. Playing It My Way	Sachin Tendulkar & Boria Manjumdar	Hodder & Stoughton	2015	Sports	Autobiography
29	At the Helem. A Laborotory Navigator	Kathy Barker	I. K International Private Limited	2004	Laboratory Practices	Laboratory Practices
30	Physical ChemistryVolume 2	Y. A. Gerasimov	MIR Publishers	1974	Physical Chemistry	Textbook
31	The Ivory Throne. Chrinicles of the House of Travancore	Manu S. Pillai	HarperColins Publishers India	2015	History	History
32	Chemical Bonding at Surfaces and Interfaces	Anders Nilsson, Lars G. M. Pettersson, Jens K. Norskov	Elsevier	2008	Surface Science	Textbook
33	Physical Chemistry of Ionic Materials. Ions and Electrons in Solids	Wiley	Joachim Maier	2004	Physical Chemistry	Textbook
34	The ACS Style Guide	Anne M. Coghill, Lorrin R, Garson	Oxford University Press	2006	Science Writing	Guide
35	Fundamentals of Ecology, Fifth Edition	Eugene P. Odum, Gray W. Barrett	Cengage Learning	2019	Ecology	Textbook
36	Concepts of Physics Volume 1	H C Verma	Bharati Bhavan	2019	Physics	Textbook
37	Concepts of Physics Volume 2	H C Verma	Bharati Bhavan	2019	Physics	Textbook
38	The Fayman Lectures on Physics Volume 1 Mechanics	Feyman, Leighton, Sands	Pearson	2013	Physics	Textbook
39	The Fayman Lectures on Physics Volume 2 Electromagnetism and Matter	Feyman, Leighton, Sands	Pearson	2013	Physics	Textbook
40	The Fayman Lectures on Physics Volume 3 Quantum Mechanics	Feyman, Leighton, Sands	Pearson	2013	Physics	Textbook
41	Solid State Electronic Devices, 7th Edition	Ben. G. Streetman	Pearson	2018	Semiconductor Physics	Textbook
42	In the Belly of the River,	Amita Baviskar	Oxford University	2004	Environmental	Essay

	Second Edition		Press		Scinece	
43	Semiconductor Physics and Devices, 4e	Donald A Neamen, Dhrubes Biswas	McGraw Hill Education	2016	Semiconductor Physics	Textbook
44	Standard Ptentials in Aqueous Solution	Allen J. Bard, 'Rogen Parsons, Joseph Jordan	IUPAC	1985	Electrochemistry	Handbook
45	Modern Semiconductor Devices for Integrated Circuits	Chenming Calvin Hu	Peason	2010	Semiconductor Physics	Textbook
46	Physical Chemistry	Thomas Engel, Philp Reid	Pearson	2018	Physical Chemistry	Textbook
47	Indian Environmental Law	Shibani Ghosh	Orient Blackswan	2019	Environmental Scinece	Textbook
48	Rebel Sultans	Manu S. Pillai	Juggernaut Books	2018	History	History
49	The Courtesan, the Mahatma and the Italian Brahmin	Manu S. Pillai	Westland Publishers	2019	History	History
50	Kittel's Introduction to Solid State Physics	Charles Kittel	Wiley India	2018	Solid State Science	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
51	Seven Brief Lessons on Physics	Carlo Rovelli	Allen Lane	2014	General Science	Science Readings
52	Practival Physical Chemistry	B. Viswanathan, P.S. Raghavan	Viva Books	2017	Physical Chemistry	Laboratory Practices
53	Chemical and Electrochemical Energy System	R Narayanan, B. Viswanathan	University Press India	2008	Electrochemistry	Textbook
54	Physics of Materials. Essential Concepts of Solid State Physics	Prathap Haridoss	Wiley India	2016	Material Science	Textbook
55	Photoelectrochemistry. Principles and Practices	B. Viswanathan, M. Aulice Scibioh	Narosa	2014	Photocatalysis	Textbook
56	Inorganic Chemistry. Principles of Structure and Reactivity	James Huheey, Ellen K. Keiter, Richard L. Keiter, Okhil K. Medhi	Pearson	2006	Inorganic Chemistry	Textbook
57	Kinetics of Heterogeneous Catalytic Reactions	Michel Boudart, G. Djega-Mariadassou	Princeton Legacy Library	1984	Catalysis	Textbook
58	Catalysts and Surfaces. Characterization Techniques	B. Viswanathan, S. Kannan, r. C Dekha	Narosa	2010	Catalysis	Textbook
59	Introduction to the Stratergies for Organic Synthesis	Laurie S. Starkey	Wiley	2012	Organic Chemistry	Textbook
60	Aquatic Chemistry. An Introduction to Emphasizing Chemical Equilibria in Natural Waters	Werner Stumm and James J. Morgan	Wiley-Interscience	1970	Environmental Chemistry	Textbook
61	Electron. A Centenary Volume	Micheal Springford	Cambridge University Press	2008	Quantum Chemistry	Textbook
62	The Theory of Adsorption and Catalysis	Alfred Clark	Academic Press	1970	Catalysis	Textbook
63	Surface Electron Transfer Process	R. J. Dwayne Miller, George L. McLendon, Arthur J, Nozik, Wofgang Schmickler, Frank Willig	Wiley VCH	1995	Catalysis	Textbook
64	An Americal Scientist	Gabor A. Samorjai, Mitch Jacoby	Archway Publishing	2013	Catalysis	Autobiography
65	The ACS Style Guide A Manual for Authors and Editors	Janet S. Dodd	American Chemical Society	1997	Science Writing	Guide
66	Fuel Cells. Principles and Applications	B. Viswanathan, Aulice Scibioh	University Press India	2006	Electrochemistry	Textbook
67	Introduction to Environmental Engineering and Science	Gilbert M. Masters, Wendell P. Ela	Pearson	2017	Environmental Engineering	Textbook
68	The Physics and Chemistry of Solids	Stephen Elliot	Wiley India	2010	Solid State Science	Textbook
69	An Introduction to Electrochemistry	Samuel Glasstone	Affiliated East-West Press	2017	Electrochemistry	Textbook
70	A First Course in Electrode Process	Derek Pletcher	RSC Publishing	2009	Electrochemistry	Textbook
			HarperColins			

71	Gene Machine	Venki Ramakrishnan	HarperCollins Publishers India	2018	General Science	Autobiography
72	An Introduction to Material Science and Engineering	Kenneth M. Ralls, Thomas H. Courrney, John Wulff	Wiley India	2011	Material Science	Textbook
73	Defects and Defect Processes in Nonmetalic Solids	W. Hayes, A. M. Stoneham	Dover Publications	2004	Solid State Science	Textbook
74	Solid State Chemistry and It's Applications	Anthony R. West	Wiley India	2011	Solid State Science	Textbook
75	Fundamental of Physics	Jearl Walker	Wiley India	2009	Physics	Textbook
76	Impedence Spectroscopy. Theory, Experiment and Applications, 3e	Evgenij Barsoukov, J. Ross Macdonald	Wiley	2018	Electrochemistry	Textbook
77	Mathematical Methods for Scientist and Engineers	Donald A, McQuarie	Viva Books	2009	Mathematics	Textbook
78	Phhysical Chemitry. A Molecular Approach	Donald A. Mcquarie, John D. Simon	Viva Books	2018	Physical Chemistry	Textbook
79	Physical Chemistry, 4e	Robert J. Silbey, Robert A. Alberty, Moungi G. Bawendi	Wiley	2018	Physical Chemistry	Textbook
80	Inorganic Chemistry, 3e	Gary L. Miessler, Donald A. Tarr	Pearson	2018	Inorganic Chemistry	Textbook
81	Inorganic Chemistry International Edition	Mark Weller,Tina Overton. Jonathan Rourke,Fraser Armstrong	Oxford University Press	2018	Inorganic Chemistry	Textbook
82	Atkins Physical Chemistry	Pter Atkins, Julio De Paula, James Keeler	Oxford University Press	2018	Physical Chemistry	Textbook
83	Quantum Mechanics and Path Integrals, Emended Edition	Richard P. Feynman, Albert R. Hibbs, Daniel F. Styer	Dover Publications	2016	Quantum Chemistry	Textbook
84	Modern Molecular Photomistry of Organic Molecules	Nicholas J. Turro, V. Ramamurthy, J. C. Scaiano	Viva Books	2017	Photochemistry	Textbook
85	Principles of Molecular Photochemisty. An Introduction	Nicholas J. Turro, V. Ramamurthy, J. C. Scaiano	Viva Books	2016	Photochemistry	Textbook
86	Theory of Defects in Solids. Electronic Structure of Defects in Insulators and Semiconductors	A M. Stoneham	Oxford University Press	2001	Solid State Science	Textbook
87	Elements of X-ray Diffraction 3e	B. D. Cullity, S.R. Stock	Pearson	2018	Crystallography	Textbook
88	Introduction to Solid State Physics 8e	Charles Kittel	Wiley	2017	Solid State Science	Textbook
89	Organic Spectroscopy. Principles and Applications	Jag Mohan	Narosa	2018	Analytical Chemistry	Textbook
90	Zeolite Catalysis. Priciples and Applications	Subhash Bhatia	CRC Press	1990	Catalysis	Textbook
91	Fundamentals of Molecular Spectroscopy 4e	Colin B. Banwell, Elaine M. McCash	Tata Mcgraw Hill Publishing	2009	Analytical Chemistry	Textbook
92	The Fourth Phase of Water. Beyond Solid, Liquid and Vapor	Gerarl H. Pollack	Ebner and Sons Publishers	2013	General Science	Science Readings
93	Fundamentals of Analytical Chemistry 8e	Douglas A. Skoog, Donald M. West, F. James Holler, Stanley	Cengage Learning	2004	Analytical Chemistry	Textbook

	Chemistry 8e	James Holler, Stanley R. Crouch	Learning		Chemistry	
94	Poor Economics. Rethinking Poverty and the Way to End it	Abhijit V. Banerjee, Esther Dulfo	Penguin Random House India	2013	Economics	Essay
95	Superheavy. Making and Breaking the Periodic Table	Kit Chapman	Bloomsbury Publishing	2019	General Science	Essay
96	Compute-Aided Desgin of Catalysts	E. Robert Becker, Carmo J. Pereira	CRC Press	1993	Catalysis	Textbook
97	Spectroscopy for Surface Science	R.J,H. Clark, R. E. Hester	John Wiley & Sons	1998	Analytical Chemistry	Textbook
98	Innovative Methods of Teaching and Learning Chemistry in Higher Education	Ingo Eilks, Bill Byers	RSC Publishing	2009	Science Education	Science Education
99	Solar Light Harvesting with Nanocrystalline Semiconductors	Oleksandr Stroyuk	Springer	2018	Photocatalysis	Research Book
100	Photochemical Processes in Continuous-Flow Reactors. From Engineering Principles to Chemical Applications.	Timothy Noel	World Scientific	2017	Photocatalysis	Research Book

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
101	Electroanalytical Methods. Guide to Experiment and Applciations 2e	F. Scholz	Springer	2010	Electrochemistry	Textbook
102	Fuel Cell Systems Explained	Andrew L. Dicks, David A. J. Rand	Wiley	2018	Electrochemistry	Textbook
103	Quantum Photonics	Thomas P. Pearsall	Springer	2017	Light Matter Interaction	Textbook
104	Quantum Mechanics for Pedestrains Fundamentals 1 2e	Jochen Pade	Springer	2018	Quantum Chemistry	Textbook
105	Quantum Mechanics for Pedestrains Applications and Extensions 2 2e	Jochen Pade	Springer	2018	Quantum Chemistry	Textbook
106	The Heroic Age	Robert D. Purrington	Oxford University Press	2018	Quantum Chemistry	Textbook
107	Powder Diffraction. Theory and Practice	Robert E, Dinnebier, Simon J. L. Billinge	RSC Publishing	2008	Crystallography	Textbook
108	Optical Properties of Solids 2e	Mark Fox	Oxford University Press	2010	Light Matter Interaction	Textbook
109	Optical Properties of Solids. Am Introductory Textbook	Kitsakorn Locharoenrat	Pan Stanford Publishing	2016	Light Matter Interaction	Textbook
110	Electrodynamics of Solids. Optical Properties of Electron in Matter	Martin Dressel, George Gruner	Cambridge University Press	2002	Light Matter Interaction	Textbook
111	Powering Planet Earth. Energy Solution for the Future	Nicola Armaroli, Vincenzo Balzani, Nick Serpone	Wiley-VCH	2013	General Science	Science Readings
112	Handbook of Chemical Looping Technology	Ronal W. Breault	Wiley-VCH	2019	Chemical Enginnering	Textbook
113	Chemical Looping Systems for Fossil Energy Conversion	Liang-Shih Fan	Alche & John Wiley and Sons	2010	Chemical Enginnering	Textbook
114	Chemical Looping Partial Oxidation. Gasification, Reforming and Chemical Syntheses	Liang-Shih Fan	Cambridge University Press	2017	Chemical Enginnering	Textbook
115	Principles of Thermodynamics	Jean-Philippe Ansermet, Sylvain D. Brechet	Cambridge University Press	2019	Thermodynamics	Textbook
116	Introduction to Modern Inorganic Chemistry 6e	K.M. MacKay, R. A. MacKay, W. Henderson	CRC Press	2002	Inorganic Chemistry	Textbook
117	Colloidal Dispecrsions. Suspensions, Emulsions and Foams	Ian D, Morrison, Sydney Ross	Wiley-Interscience	2002	Surface Science	Textbook
118	Inorganic Chemistry 5e	Gary L. Miessler, Pau; J. Fischner, Donald A. Tarr	Pearson	2014	Inorganic Chemistry	Textbook
119	Physics of Covered Solid Surfaces Vol 1	H.P. Bonzel	Springer	2001	Catalysis	Textbook
120	Physics of Covered Solid	H.P. Bonzel	Springer	2001	Catalysis	Textbook

120	Surfaces Vol 2	H.P. Bonzel	Springer	2001	Catalysis	Textbook
121	Physics of Covered Solid Surfaces Vol 3	H.P. Bonzel	Springer	2001	Catalysis	Textbook
122	Physics of Covered Solid Surfaces Vol 4	H.P. Bonzel	Springer	2001	Catalysis	Textbook
123	Physics of Covered Solid Surfaces Vol 5	H.P. Bonzel	Springer	2001	Catalysis	Textbook
124	Air Pollution and Global Warming. History, Science and Solution 2e	Mark Z. Jacobson	Cambridge University Press	2012	Environmental Chemistry	Textbook
125	Papers of Vladimir K. Ryabchuk Part 1	Vladimir K. Ryabchuk	Article Complilation	2019	Photocatalysis	Research Book
126	Papers of Vladimir K. Ryabchuk Part 2	Vladimir K. Ryabchuk	Article Complilation	2019	Photocatalysis	Research Book
127	Techniques and Mechanisms in Electrochemistry	P. A. Christensen	Blakie Academic Professional	1994	Electrochemistry	Textbook
128	Reflectance Spectroscopy	Gustav Kortum	Springer-Verlag	1969	Analytical Chemistry	Textbook
129	Fundamentals of Fourier Transform Infrared Spectroscopy 2e	Brian S. Smith	CRC Press	2011	Analytical Chemistry	Textbook
130	Graphene Chemistry. Theoretical Perspecive	De-en Jiang, Zhongfang Chen	Wiley	2013	Material Science	Textbook
131	States of Matter	David L. Goodstein	Dover Publications	2002	Physical Chemistry	Textbook
132	Solid Acid and Bases their Catalytic Properties	Kozo Tanabe	Academic Press	1970	Catalysis	Textbook
133	UV-VIS Spectroscopy and Its Applications	H.-H. Perkampus	Springer Laboratory	1992	Analytical Chemistry	Textbook
134	Supported Metals in Catalysis 2e	James A. Anderson, Marcos Fernandez Garcia	Imperial College Press	2012	Catalysis	Textbook
135	Materials for Supercapacitor Applications	M. Aulice Scibioh, B. Viswanathan	Elsevier	2020	Electrochemistry	Research Book
136	Physical Chemistry Volume 1	YA. Gerasimov	MIR Publishers	1974	Physical Chemistry	Textbook
137	Physical Chemistry Volume 2	YA. Gerasimov	MIR Publishers	1974	Physical Chemistry	Textbook
138	The Structure of Atoms and Molecules	V. Kondratyev	MIR Publishers	1967	Quantum Chemistry	Textbook
139	Insight into the Chemistry of Organic Structure-Directing Agents in the Sysnthesis of Zeolite Materials	Luis Gomez-Hortiguela	Springer	2018	Catalysis	Research Book
140	Process Systems and Materials for CO2 Capture: Modelling, Design, Control and Integration	Athanasios I. Papadopoulos, Panos Seferlis	Wiley	2017	Carbon Dioxide Utilization	Research Book
141	Materials for Supercapacitor Applications First Draft	M. Aulice Scibioh, B. Viswanathan	First Draft Version	2018	Electrochemistry	Research Book
142	Biorefiniries. An Introduction	Micheal Aresta, Angela Dibenedetto, Franck Dumeignil	De Gruyter	2015	Energy and Environment	Research Book
143	Carbon Dioxide to Chemicals and Fuels First Draft	M. Aulice Scibioh, B. Viswanathan	First Draft Version	2017	Carbon Dioxide Utilization	Research Book
144	Water Splitting Photoelectrolysis	Samantha Hilliard	Thesis	2016	Photocatalysis	Thesis
145	Solar Hydrogen Generation. Towards a Renewable Energy	Krishnan Rajeswar, Robert McConnell,	Springer	2008	Photocatalysis	Research Book

	Future	Staurt Licht				Book
146	Semiconductor Photocatalysis. Semiconductors and Semimetals.	Chennupati Jagadish	Elsevier	2017	Photocatalysis	Research Book
147	Solar Energy and Fuels	Harun Tuysuz, Candace K. Chan	Springer	2016	Photocatalysis	Research Book
148	Advances in CO2 Conversion and Ulitization	Yun Hang Hu	American Chemical Society	2010	Carbon Dioxide Utilization	Research Book
149	Corrosion and Corrosion Control. An Introduction to Corrosion Control	R. Winston Revie, Herbert H. Uhlig	Wiley-Interscience	2008	Electrochemistry	Textbook
150	Supercapacitors. Materials, Systems and Applications	Francois Beguin, Elzbieta Frqckowiak	Wiley-VCH	2013	Electrochemistry	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
151	Electrolytes for Elecrochemical Supercapacitors	Cheng Zhong, Yida Deng, Wenbin Hu, Daoming Sun, Xiaopeng Han, Jinli Qiao, Jiujun Zhang	CRC Press	2016	Electrochemistry	Textbook
152	Electrochemical Systems 3e	Jihn Newman, Karen E. Thomas-Al Yea	Wiley-Interscience	2004	Electrochemistry	Textbook
153	Electrochemical Methods. Fundamentals and Applications Part1	Allen J. Bard, Larry R. Faulkner	John Wiley & Sons	2001	Electrochemistry	Textbook
154	Electrochemical Methods. Fundamentals and Applications Part 2	Allen J. Bard, Larry R. Faulkner	John Wiley & Sons	2001	Electrochemistry	Textbook
155	Calculas. An intuitive and Physical Approach 2e Part 1	Morris Kline	Dover Publications	1977	Mathematics	Textbook
156	Fuel Cell Science. Theory, Fundamentals and Biocatalysis	Andrzej Wieckowski, Jens K. Norskov	John Wiley & Sons	2010	Electrochemistry	Textbook
157	Carbon Dioxide as a Source of Carbon. Biochemical and Chemical Uses.	Michele Aresta, M. Forti	D. Reidel Publishing Company	1987	Carbon Dioxide Utilization	Research Book
158	Transforamtion and Utilization of Carbon Dioxide	Bhalachandra M. Bhanage, Masahiko Arai	Springer	2014	Carbon Dioxide Utilization	Research Book
159	Greenhouse Gas Carbon Dioxide Mitigation. Science and Technology	Martin Morgehai Halmann, Meyer Steinberg	CRC Press	1999	Carbon Dioxide Utilization	Research Book
160	New and Future Developments in Catalysis. Activation of Carbon Dioxide	Steven L. Suib	Elsevier	2013	Carbon Dioxide Utilization	Research Book
161	Renewable Synthetic Fuels and Chemicals from Carbon Dioxide. Fundamentals, Catalysis, Design Considerations and Technological Challenges	David S. A. Simakov	Springer	2017	Carbon Dioxide Utilization	Research Book
162	Pre-combustion Carbon Dioxide Capture Materials	Qiang Wang	Royal Society of Chemistry	2018	Carbon Dioxide Utilization	Research Book
163	IPCC Special Report on Carbon Dioxide Capture and Storage	Bert Metz, Ogunlade Davidson, Heleen de Coninck, Manuela Lons, Leo Meyer	Cambridge University Press	2005	Carbon Dioxide Utilization	Research Book
164	From Molecules to Materials. Pathways to Artificial Photosynthesis	Elena A. Rozhkova, Kutsuhiko Ariga	Springer	2015	Carbon Dioxide Utilization	Research Book
165	Green Carbon Dioxide. Advances in CO2 Utilization.	Gabriele Centi, Siglinda Perathoner	John Wiley & Sons	2014	Carbon Dioxide Utilization	Research Book
166	Novel Materials for Carbon Dioxide Mitigation Technology	Fan Shi, Bryan Morreale	Elsevier	2015	Carbon Dioxide Utilization	Research Book
167	Carbon Dioxide as a Chemical Feedstock	Michele Aresta	Wiley VCH	2010	Carbon Dioxide Utilization	Research Book
168	Photocatalytic CO2 Activation by Catalyst Screening and Mechanistic Evaluation	Chich-Chao Yang	Thesis	2011	Carbon Dioxide Utilization	Thesis

	Mechanistic Evaluation					
169	Carbon Dioxide Chemistry: Environmental Issues.	Jan Paul, Claire-Marie Pradier	Royal Society of Chemistry	1994	Carbon Dioxide Utilization	Research Book
170	Reaction Mechanisms in Carbon Dioxide Conversion (2 Copy)	Michele Areta, Angela Dibenedetto, Eugenio Quaranta	Springer	2016	Carbon Dioxide Utilization	Research Book
171	Photoelectrochemical Solar Fuel Production. From Basic Principles to Advanced Applications.	Sixto Gimenez, Juan Bisquert	Springer	2016	Carbon Dioxide Utilization	Research Book
172	Integrated Solar Fuel Generators	Ian D. Sharp, Harry A. Atwater, Hans-Joachim, Lewerenz	Royal Society of Chemistry	2019	Photocatalysis	Research Book
173	Photocatalysis Applications	Dionysios D. Dionysiou, Gianluea Li Puma, Jinhua Ye, Jenny Schneider, Detlef Bahnemann	Royal Society of Chemistry	2016	Photocatalysis	Research Book
174	Photocatalysis. Fundamentals and Perspectives.	Jenny Schneider, Detlef Banhemann, Jinhua Ye, Gianluca Li Puma, Dionysios D. Dionysiou	Royal Society of Chemistry	2016	Photocatalysis	Research Book
175	Solar to Chemcial Energy Conversion. Theory and Application	Maskazu Sugiyama, Katsushi Fujii, Shinichiro Nakamura	Springer	2016	Photocatalysis	Research Book
176	Photoelectrochemical Water Splitting. Material, Processes and Architectures	Hans-Joachim Lewerenz, Laurence Peter	RSC Publishing	2013	Photocatalysis	Research Book
177	Solar Hydrogen Generation. Towards a Renewable Energy Future Second Copy	Krishnan Rajeswar, Robert McConnell, Staurt Licht	Springer	2008	Photocatalysis	Research Book
178	Solar-Hydrogen Energy Systems	Tokio Ohta	Pergamon Press	1979	Photocatalysis	Research Book
179	Photocatalysis. Principles and Applications	Rakshit Ameta, Suresh C, Ameta	CRC Press	2017	Photocatalysis	Research Book
180	Photoelectrochemical Water Splitting. Standrads, Experimental Methods, and Protocols	Zhebo Chen, Huyen N. Dinh, Eric Miller	Springer	2013	Photocatalysis	Research Book
181	Surface Modifications and Growth of Titanium Dioxide for Photoelectrochemical Water Splitting	John Callum Alexander	Springer Thesis	2016	Photocatalysis	Research Book
182	Advances in Photoelectrochemical Water Splitting. Theory, Experiment and Systems Analysis	S. David Tilley, Stephan Lany, Roel van de Krol	Royal Society of Chemistry	2018	Photocatalysis	Research Book
183	Photoelectrochemical Water Splitting. Materials and Applications.	Neelu Chouhan, Ru-Shi Liu, Jiujun Zhang	CRC Press	2017	Photocatalysis	Research Book
184	The Aqueous Chemistry of Oxides	Bruce C. Bunker, Willaim H. Casey	Oxford University Press	2016	Photocatalysis	Research Book
185	Advances in Chemical Engineering. Photocatalytic Technologies.	Hugo I. De Lasa, Benito Serrano Rosales	Academic Press	2009	Photocatalysis	Research Book
186	Nanostructured and Photoelectrochemical Systems for Solar Photon	Mary D. Archer, Arthur J. Nozik	Imperial College Press	2008	Photocatalysis	Research Book

	Conversion Part 1					
187	Nanostructured and Photoelectrochemical Systems for Solar Photon Conversion Part 2	Mary D. Archer, Arthur J. Nozik	Imperial College Press	2008	Photocatalysis	Research Book
188	Materials and Processes for Solar Fuel Production	B. Viswnathan, V. Subramanian, Jae Sung Lee	Springer	2014	Photocatalysis	Research Book
189	Nanocomposites for Visible Light-induced Photocatalysis	M. M. Khan, Debabrata Pradhan, Youngku Sogn	Springer	2017	Photocatalysis	Research Book
190	Environmentally Benign Photocatalysts. Applications of Titanium Oxide-based Materials Part 1	Masakazu Anpo, Prashant V. Kamat	Springer	2010	Photocatalysis	Research Book
191	Black TiO2 Nanomaterials for Energy Applications	Xiaobo Chen, Yi Cui	World Scientific	2017	Photocatalysis	Research Book
192	Nano-Energetic Materials	Shantanu Bhattacharya, Avinash Kumar Agarwal, T. Rajagopalan, Vinay K. Patel	Springer	2019	Photocatalysis	Research Book
193	Advances in Chemistry. Materials for Sustainable Energy	Rudi Van Eldik, Wojciech Macyk	Academic Press	2018	Photocatalysis	Research Book
194	Nanomaterials for Energy Conversion and Storage	Dunwei Wang,Guozhong Cao	World Scientific	2018	Photocatalysis	Research Book
195	Solar Energy Conversion and Storage. Photochemcal Methods.	Suresh C. Ameta, Rakshit Ameta	CRC Press	2016	Photocatalysis	Research Book
196	Solar Fuel Generation	Yatendra S, Chaudhary	CRC Press	2017	Photocatalysis	Research Book
197	Visible Light Photocatalysis in Organic Chemistry	Corey R.J. Stephenson, Tehshik P. Yoon, David W.C. MacMillan	Wiley-VCH	2018	Photocatalysis	Research Book
198	Environmentally Benign Photocatalysts. Applications of Titanium Oxide-based Materials Part 2	Masakazu Anpo, Prashant V. Kamat	Springer	2010	Photocatalysis	Research Book
199	Environmental Photochemistry Part III	Detlef W. Bahnemann, Peter K.J. Robertson	Springer	2015	Photocatalysis	Research Book
200	Photoluminescence in Photocatalysis	Compilation of Articles and Chapters	Article Complilation	2019	Photocatalysis	Research Book

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
151	Electrolytes for Elecrochemical Supercapacitors	Cheng Zhong, Yida Deng, Wenbin Hu, Daoming Sun, Xiaopeng Han, Jinli Qiao, Jiujun Zhang	CRC Press	2016	Electrochemistry	Textbook
152	Electrochemical Systems 3e	Jihn Newman, Karen E. Thomas-Al Yea	Wiley-Interscience	2004	Electrochemistry	Textbook
153	Electrochemical Methods. Fundamentals and Applications Part1	Allen J. Bard, Larry R. Faulkner	John Wiley & Sons	2001	Electrochemistry	Textbook
154	Electrochemical Methods. Fundamentals and Applications Part 2	Allen J. Bard, Larry R. Faulkner	John Wiley & Sons	2001	Electrochemistry	Textbook
155	Calculas. An intuitive and Physical Approach 2e Part 1	Morris Kline	Dover Publications	1977	Mathematics	Textbook
156	Fuel Cell Science. Theory, Fundamentals and Biocatalysis	Andrzej Wieckowski, Jens K. Norskov	John Wiley & Sons	2010	Electrochemistry	Textbook
157	Carbon Dioxide as a Source of Carbon. Biochemical and Chemical Uses.	Michele Aresta, M. Forti	D. Reidel Publishing Company	1987	Carbon Dioxide Utilization	Research Book
158	Transforamtion and Utilization of Carbon Dioxide	Bhalachandra M. Bhanage, Masahiko Arai	Springer	2014	Carbon Dioxide Utilization	Research Book
159	Greenhouse Gas Carbon Dioxide Mitigation. Science and Technology	Martin Morgehai Halmann, Meyer Steinberg	CRC Press	1999	Carbon Dioxide Utilization	Research Book
160	New and Future Developments in Catalysis. Activation of Carbon Dioxide	Steven L. Suib	Elsevier	2013	Carbon Dioxide Utilization	Research Book
161	Renewable Synthetic Fuels and Chemicals from Carbon Dioxide. Fundamentals, Catalysis, Design Considerations and Technological Challenges	David S. A. Simakov	Springer	2017	Carbon Dioxide Utilization	Research Book
162	Pre-combustion Carbon Dioxide Capture Materials	Qiang Wang	Royal Society of Chemistry	2018	Carbon Dioxide Utilization	Research Book
163	IPCC Special Report on Carbon Dioxide Capture and Storage	Bert Metz, Ogunlade Davidson, Heleen de Coninck, Manuela Lons, Leo Meyer	Cambridge University Press	2005	Carbon Dioxide Utilization	Research Book
164	From Molecules to Materials. Pathways to Artificial Photosynthesis	Elena A. Rozhkova, Kutsuhiko Ariga	Springer	2015	Carbon Dioxide Utilization	Research Book
165	Green Carbon Dioxide. Advances in CO2 Utilization.	Gabriele Centi, Siglinda Perathoner	John Wiley & Sons	2014	Carbon Dioxide Utilization	Research Book
166	Novel Materials for Carbon Dioxide Mitigation Technology	Fan Shi, Bryan Morreale	Elsevier	2015	Carbon Dioxide Utilization	Research Book
167	Carbon Dioxide as a Chemical Feedstock	Michele Aresta	Wiley VCH	2010	Carbon Dioxide Utilization	Research Book
168	Photocatalytic CO2 Activation by Catalyst Screening and Mechanistic Evaluation	Chich-Chao Yang	Thesis	2011	Carbon Dioxide Utilization	Thesis

	Mechanistic Evaluation					
169	Carbon Dioxide Chemistry: Environmental Issues.	Jan Paul, Claire-Marie Pradier	Royal Society of Chemistry	1994	Carbon Dioxide Utilization	Research Book
170	Reaction Mechanisms in Carbon Dioxide Conversion (2 Copy)	Michele Areta, Angela Dibenedetto, Eugenio Quaranta	Springer	2016	Carbon Dioxide Utilization	Research Book
171	Photoelectrochemical Solar Fuel Production. From Basic Principles to Advanced Applications.	Sixto Gimenez, Juan Bisquert	Springer	2016	Carbon Dioxide Utilization	Research Book
172	Integrated Solar Fuel Generators	Ian D. Sharp, Harry A. Atwater, Hans-Joachim, Lewerenz	Royal Society of Chemistry	2019	Photocatalysis	Research Book
173	Photocatalysis Applications	Dionysios D. Dionysiou, Gianluea Li Puma, Jinhua Ye, Jenny Schneider, Detlef Bahnemann	Royal Society of Chemistry	2016	Photocatalysis	Research Book
174	Photocatalysis. Fundamentals and Perspectives.	Jenny Schneider, Detlef Banhemann, Jinhua Ye, Gianluca Li Puma, Dionysios D. Dionysiou	Royal Society of Chemistry	2016	Photocatalysis	Research Book
175	Solar to Chemcial Energy Conversion. Theory and Application	Maskazu Sugiyama, Katsushi Fujii, Shinichiro Nakamura	Springer	2016	Photocatalysis	Research Book
176	Photoelectrochemical Water Splitting. Material, Processes and Architectures	Hans-Joachim Lewerenz, Laurence Peter	RSC Publishing	2013	Photocatalysis	Research Book
177	Solar Hydrogen Generation. Towards a Renewable Energy Future Second Copy	Krishnan Rajeswar, Robert McConnell, Staurt Licht	Springer	2008	Photocatalysis	Research Book
178	Solar-Hydrogen Energy Systems	Tokio Ohta	Pergamon Press	1979	Photocatalysis	Research Book
179	Photocatalysis. Principles and Applications	Rakshit Ameta, Suresh C, Ameta	CRC Press	2017	Photocatalysis	Research Book
180	Photoelectrochemical Water Splitting. Standrads, Experimental Methods, and Protocols	Zhebo Chen, Huyen N. Dinh, Eric Miller	Springer	2013	Photocatalysis	Research Book
181	Surface Modifications and Growth of Titanium Dioxide for Photoelectrochemical Water Splitting	John Callum Alexander	Springer Thesis	2016	Photocatalysis	Research Book
182	Advances in Photoelectrochemical Water Splitting. Theory, Experiment and Systems Analysis	S. David Tilley, Stephan Lany, Roel van de Krol	Royal Society of Chemistry	2018	Photocatalysis	Research Book
183	Photoelectrochemical Water Splitting. Materials and Applications.	Neelu Chouhan, Ru-Shi Liu, Jiujun Zhang	CRC Press	2017	Photocatalysis	Research Book
184	The Aqueous Chemistry of Oxides	Bruce C. Bunker, Willaim H. Casey	Oxford University Press	2016	Photocatalysis	Research Book
185	Advances in Chemical Engineering. Photocatalytic Technologies.	Hugo I. De Lasa, Benito Serrano Rosales	Academic Press	2009	Photocatalysis	Research Book
186	Nanostructured and Photoelectrochemical Systems for Solar Photon	Mary D. Archer, Arthur J. Nozik	Imperial College Press	2008	Photocatalysis	Research Book

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187	Nanostructured and Photoelectrochemical Systems for Solar Photon Conversion Part 2	Mary D. Archer, Arthur J. Nozik	Imperial College Press	2008	Photocatalysis	Research Book
188	Materials and Processes for Solar Fuel Production	B. Viswnathan, V. Subramanian, Jae Sung Lee	Springer	2014	Photocatalysis	Research Book
189	Nanocomposites for Visible Light-induced Photocatalysis	M. M. Khan, Debabrata Pradhan, Youngku Sogn	Springer	2017	Photocatalysis	Research Book
190	Environmentally Benign Photocatalysts. Applications of Titanium Oxide-based Materials Part 1	Masakazu Anpo, Prashant V. Kamat	Springer	2010	Photocatalysis	Research Book
191	Black TiO2 Nanomaterials for Energy Applications	Xiaobo Chen, Yi Cui	World Scientific	2017	Photocatalysis	Research Book
192	Nano-Energetic Materials	Shantanu Bhattacharya, Avinash Kumar Agarwal, T. Rajagopalan, Vinay K. Patel	Springer	2019	Photocatalysis	Research Book
193	Advances in Chemistry. Materials for Sustainable Energy	Rudi Van Eldik, Wojciech Macyk	Academic Press	2018	Photocatalysis	Research Book
194	Nanomaterials for Energy Conversion and Storage	Dunwei Wang,Guozhong Cao	World Scientific	2018	Photocatalysis	Research Book
195	Solar Energy Conversion and Storage. Photochemcal Methods.	Suresh C. Ameta, Rakshit Ameta	CRC Press	2016	Photocatalysis	Research Book
196	Solar Fuel Generation	Yatendra S, Chaudhary	CRC Press	2017	Photocatalysis	Research Book
197	Visible Light Photocatalysis in Organic Chemistry	Corey R.J. Stephenson, Tehshik P. Yoon, David W.C. MacMillan	Wiley-VCH	2018	Photocatalysis	Research Book
198	Environmentally Benign Photocatalysts. Applications of Titanium Oxide-based Materials Part 2	Masakazu Anpo, Prashant V. Kamat	Springer	2010	Photocatalysis	Research Book
199	Environmental Photochemistry Part III	Detlef W. Bahnemann, Peter K.J. Robertson	Springer	2015	Photocatalysis	Research Book
200	Photoluminescence in Photocatalysis	Compilation of Articles and Chapters	Article Complilation	2019	Photocatalysis	Research Book

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
201	Visible-Light-Active Photocatalysis: Nanostructured Catalyst Design, Mechanisms, and Applications	Srabanti Ghosh	Wiley-VCH	2018	Photocatalysis	Research Book
202	Photocatalysis. Fundamentals, Materials and Applications	Jinlong Zhang, Baozhu Tian, Lingzhi Wang, Mingyang Xing, Juying Lei	Springer	2018	Photocatalysis	Research Book
203	Semiconductor Photocatalysis. Principles and Applications.	Horst Kisch	Wiley-VCH	2015	Photocatalysis	Research Book
204	New and Future Developments in Catalysis. Solar Photocatalysis	Steven L. Suib	Elsevier	2013	Photocatalysis	Research Book
205	Heterogeneous Photocatalysis. From Fundamentals to Green Applications.	Juan Carlos Colmenares, Yi-Jun Xu	Springer	2016	Photocatalysis	Research Book
206	Carbon Dioxide and Organometalics	Xiao-Bing Lu	Springer	2016	Carbon Dioxide Utilization	Research Book
207	Carbon Dioxide Conversion Science and Technology	Michele Aresta	Presentation Slides	2016	Carbon Dioxide Utilization	Research Book
208	Carbon Dioxide Anion Radical	Compilation of Articles and Chapters	Article Complilation	2016	Carbon Dioxide Utilization	Research Book
209	Handbook of Semiconductor Electrodeposition	R.K. Pandey, S. N. Sahu, S. Chandra	Marcel Dekker	1996	Electrochemistry	Textbook
210	Sustainable and Green electrochemical Science and Technology	Keith Scott	John Wiley & Sons	2017	Electrochemistry	Textbook
211	Electrochemical Science for a Sustaible Society. A Tribute to John O'M Bockris	Kohei Uosaki	Springer	2017	Electrochemistry	Textbook
212	Cyclic Voltammetry. Simulation and Analysis of Reaction Mechanisms	David K. Gosser, Jr.	Wiley-VCH	1993	Electrochemistry	Textbook
213	Understaning Voltammetry: Problems and Solutions	Richard C. Compton, Christopher Batchelor-McAuley, Edmund J F Dickinson	Imperial College Press	2012	Electrochemistry	Textbook
214	Understaning Voltammetry: Simulation and Electrode Process	Richard C. Compton, Eduardo Laborda, Kristopher R Ward	Imperial College Press	2014	Electrochemistry	Textbook
215	Metal-Air Batteries. Fundamentals and Applications	Xin-bo Zhang	Wiley-VCH	2018	Electrochemistry	Textbook
216	Rotating Electrode Methods and Oxygen Reduction Electrocatalysts	Wei Xing, Geping Yin, Jiujun Zhang	Elsevier	2014	Electrochemistry	Textbook
217	Morphological, Compositional, and Shape Control of Materials for Catalysis	Paolo Fornasiero, Matteo Cargnello	Elsevier	2017	Catalysis	Textbook
218	Current Developments in Photocatalysis and Photocatalytic Materials. New	Xinchen Wang, Masakazu Anpo,	Elsevier	2020	Photocatalysis	Research Book

	Photocatalytic Materials: New Horozons in Photocaalysis	Xianzhi Fu				Book
219	Advances in Catalysis. CO2 Conversion.	Chunshan Song	Elsevier	2018	Carbon Dioxide Utilization	Research Book
220	Advances in Inorganic Chemistry. CO2 Chemistry	Michele Aresta, Rudi Van Eldik	Elsevier	2014	Carbon Dioxide Utilization	Research Book
221	Nanotechnology in Catalysis. Part 2 Nanocatalysis for Precision on Chemical Production and Alternative Feedstock Conversion	Bert Sels, Marcel Van de Voorde	Wiley-VCH	2017	Carbon Dioxide Utilization	Research Book
222	Green Carbon Dioxide. Advances in CO2 Utilization. (Copy 2)	Gabriele Centi, Siglinda Perathoner	John Wiley & Sons	2014	Carbon Dioxide Utilization	Research Book
223	Photoelectrochemical Hydrogen Prodcution	Roel van de Krol, Micheal Gratzel	Springer	2012	Photocatalysis	Research Book
224	Impedence Spectroscopy.	Compilation of Articles and Chapters	Article Complilation	2017	Electrochemistry	Research Book
225	Calculas. An intuitive and Physical Approach 2e Part 2	Morris Kline	Dover Publications	1998	Mathematics	Textbook
226	HPLC and UHPLC for Practicing Scientist	Micheal W. Dong	Wiley	2019	Chromatography	Textbook
227	Clarus 500/580 GC	Perkin Elmer	Perkin Elmer	2018	Chromatography	Guide
228	Analytical Separation Science. Gas Chromatography	Jared L. Amderson, Alain Berthod, Veronica Pino Estevez	Wiley-VCH	2015	Chromatography	Textbook
229	Clarus 400/480 GC	Perkin Elmer	Perkin Elmer	2018	Chromatography	Guide
230	Clarus 500/580 GC	Perkin Elmer	Perkin Elmer	2018	Chromatography	Guide
231	Modern Practice of Gas Chromatography	Robert L. Grob, Eugene F. Barry	Wiley-Interscience	2004	Chromatography	Textbook
232	Handbook of GC-MS. Fundamentals and Applications 3e (Part 1)	Hans-Joachim Hubschmann	Wiley-VCH	2015	Chromatography	Textbook
233	Handbook of GC-MS. Fundamentals and Applications 3e (Part 2)	Hans-Joachim Hubschmann	Wiley-VCH	2015	Chromatography	Textbook
234	Gas Chromatography. Principles, Techniques, and Applications	A. B. Littilehood	Academic Press	1970	Chromatography	Textbook
235	Cocatalysts for Selective Photoreduction of CO2 into Solar Fuels	Xin Li, Jiaguo Yu, Mietek Jaroniec, Xiaobo Chen	Chemical Reviews	2019	Carbon Dioxide Utilization	Textbook
236	Lithium-Sulfur Batteries	Mark Wild, Gregory J. Offer	John Wiley & Sons	2019	Electrochemistry	Research Book
237	Lithium-Ion Batteries. A Machine Generated Summary of Current Research	Beta Writer	Springer	2019	Electrochemistry	Research Book
238	Future Lithium-Ion Batteries	Ali Eftekhari	Royal Society of Chemistry	2019	Electrochemistry	Research Book
239	Introduction to Surface Physical Chemistry	K. Christmann	Springer-Verlag	1991	Surface Science	Textbook
240	Surface Science. Foundation of Catalysis and Nanosciences 1e	Kurt W. Kolansinki	John Wiley & Sons	2002	Surface Science	Textbook
241	Interactions on Metal Surfaces	R. Gomer	Springer-	1975	Surface Science	Textbook

241	Interactions on Metal Surfaces	R. Gomer	Verlag	1975	Surface Science	Textbook
242	Foundations for Nanoscience and Nanotechnology	Nils O. Petersen	CRC Press	2017	Surface Science	Textbook
243	Surface Science. An Introduction	K. Oura, V. G. Lifshits, A.A. Saranin, A.V. Zotov, M. Katayama	Springer	2003	Surface Science	Textbook
244	Surface Science. Foundation of Catalysis and Nanosciences 3e	Kurt W. Kolansinki	John Wiley & Sons	2012	Surface Science	Textbook
245	The Chemical Physics of Surfaces 2e	S. Roy Morrison	Springer	1990	Surface Science	Textbook
246	Physics and Chemistry at Oxide Surfaces	Claudine Noguera	Cambridge University Press	1996	Surface Science	Textbook
247	The Surface Science of Metal Oxides	Victor E, Henrich, P.A. Cox	Cambridge University Press	1994	Surface Science	Textbook
248	Experimental Innovations in Surface Science. A Guide to Practical Laboratory Methods and Instruments 2e	John T. Yates	Springer	2015	Surface Science	Textbook
249	Maths for Chemists Volume 1&2	Martin C.R. Cockett, Graham Doggett	Royal Society of Chemistry	2003	Mathematics	Textbook
250	Chemical Calculations at a Glance	Paul Yates	Blackwell Publishing	2005	Mathematics	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
251	Nanomaterials for Photocatalytic Chemsitry	Yugang Sun	World Scientific	2017	Photocatalysis	Research Book
252	2D Nanomaterials:Graphene and Transition Metal Dichalcogenides Volume 1	Hua Zhang, Manish Chhowalla, Zhongfan Liu	Chemical Society Reviews	2018	2D Materials	Research Book
253	2D Nanomaterials:Graphene and Transition Metal Dichalcogenides Volume 2	Hua Zhang, Manish Chhowalla, Zhongfan Liu	Chemical Society Reviews	2018	2D Materials	Research Book
254	2D Material Chemistry	Hua Zhang	Chemical Reviews	2018	2D Materials	Research Book
255	Nanohybrid Catalysts Based on Carbon Nanotube. A Step-By-Step Guideline from Preparation to Demostration	Rasel Das	Springer	2017	2D Materials	Research Book
256	Inorganic Two-diamensional Nanomaterials. Fundamental Understanding, Characterizations and Energy Applications	Chanzheng Wu	Royal Society of Chemistry	2017	2D Materials	Research Book
257	Graphene Oxide. Fundamentals and Applications.	Ayrat M. Dimiev, Siegfried Eigler	Wiley	2017	2D Materials	Textbook
258	B-C-N Nanotubes and Related Nanostructures	Yoke Khin Yap	Springer	2009	2D Materials	Research Book
259	Selected Papers from the Workshop on Fundamentals and Applications	Luca Ottaviano, Vittorio Morandi	Springer	2012	2D Materials	Research Book
260	Introduction to Graphene	Challa Vijaya Kumar, Ajith Pattammattel	Elsevier	2017	2D Materials	Textbook
261	Two-dimensional Materials from High-throughput Computational Exfoliation of Experimentally Known Compounds	Nicolas Mounet et al.	Nature Nanotechnology	2018	2D Materials	Research Book
262	Properties of Amophous Carbon	S. Ravi P. Silva	INSPEC	2002	2D Materials	Research Book
263	Theory of Defects in Solids. Electronic Structure of Defects in Insulators and Semiconductors (Spiral 1)	A. M. Stoneham	Oxford University Press	2001	Solid State Science	Textbook
264	Theory of Defects in Solids. Electronic Structure of Defects in Insulators and Semiconductors (Spiral 2)	A. M. Stoneham	Oxford University Press	2001	Solid State Science	Textbook
265	Theory of Optical Processes in Semiconductors: Bulk and Microstructures	P. K. Basu	Oxford University Press	2003	Light Matter Interaction	Textbook
266	Impurities in Semiconductors: Solubility, Migration, and Interactions	Victor I. Fistul	CRC Press	2004	Solid State Science	Textbook
267	The Defect Chemistry of Metal Oxides	D. M, Smyth	Oxford University Press	2000	Solid State Science	Textbook
268	Dopants and Defects in	Matthew D.	CRC Press	2018	Solid State	Textbook

268	Semiconductors 2e	McCluskey, Eugene E. Haller	CRC Press	2018	Science	Textbook
269	Elements of Structures and Defects of Crystalline Materials	Tsang-Tse Fand	Elsevier	2018	Solid State Science	Textbook
270	Extended Defects in Semiconductors. Electronic Properties, Device Effects and Structures	D. B. Holt, B. G. Yacobi	Cambridge University Press	2007	Solid State Science	Textbook
271	Nanostructured Lead, Cadmium, and Silver Sulfides	Stanislav I. Sadovnikov, Andrey A. Rempel, Aleksandr I. Gusev	Springer	2018	Material Science	Research Book
272	Carbon Nanomaterials inHydrogenation Catalysis	Edward Furimsky	Royal Society of Chemistry	2019	Catalysis	Textbook
273	Electronic Processes on Semiconductor Surfaces During Chemisorption	T. Wolkenstein, E. M. Yankovskii, Roy Morrison	Consultants Bereau	1991	Surface Science	Textbook
274	Adsorption and Catalysis on Transition Metal Oxides	V. F. Kiselev, O. V. Krylov	Springer-Verlag	1989	Catalysis	Textbook
275	Heterogeneous Catalysis by Mixed Oxides	Makoto Misono	Elsevier	2013	Catalysis	Textbook
276	Principles and Practice of Heterogeneous Catalysis 2e	J. M. Thomas, W. J. Thomas	Wiley-VCH	2005	Catalysis	Textbook
277	Handbook of Commercial Catalysts. Heterogeneous Catalysts	Howard F. Rase	CRC Press	2000	Catalysis	Textbook
278	Material Concept in Surface Reactivity and Catalysis	Henry Wise, Jacques Oudar	Academic Press	1990	Catalysis	Textbook
279	Introduction to Adsorption	Chi Tien	Elsevier	2019	Catalysis	Textbook
280	Introduction to Catalysis and Industrial Catalytic Processes	Robert J. Farrauto, Lucas Dorazio, C. H. Bartholomew	Wiley-AIChe	2016	Catalysis	Textbook
281	Metal Oxides in Heterogeneous Catalysis	Jacques C. Vedrine	Elsevier	2018	Catalysis	Textbook
282	Catalysis by Nonmetals. Rules for Catalyst Selection	Oleg V. Krylog	Academic Press	1970	Catalysis	Textbook
283	Contemporary Catalysis. Fundamentals and Current Applications	Julian R. H. Ross	Elsevier	2019	Catalysis	Textbook
284	Reactivity of HO2/O2 Radicals in Aqueous Solution	Compilation of Articles and Chapters	Article Complilation	2016	Catalysis	Textbook
285	Catalysis for Transportation	Special Issue	Nature Catalysis	2019	Catalysis	Research Book
286	Handbook of Heterogeneous Catalysis Charactrization Portions	Gerhard Ertl, Helmut Knözinger, Ferdi Schüth, Jens Weitkamp	Wiley-VCH	2008	Catalysis	Research Book
287	Energy Sources. Fundamentals of Chemical Conversion Processes and Applications	B. Viswanathan	Elsevier	2017	Energy and Environment	Research Book
288	Basic Research Needs:Catalysis for Energy	U. S. Department of Energy	U. S. Department of Energy	2007	Energy and Environment	Research Report
289	Basic Research Needs for Solar Energy Utilization	U. S. Department of Energy	U. S. Department of Energy	2005	Energy and Environment	Research Report

			Energy			
290	Current Trends of Surface Science and Catalysis	Jeong Young Park	Springer	2014	Catalysis	Research Book
291	Nonequilibrium Processes in Catalysis	Oleg V. Krylog, Boris R. Shub	CRC Press	2018	Catalysis	Textbook
292	Industrial Catalysis. A Practical Approach 3e	Jens Hagen	Wiley-VCH	2015	Catalysis	Textbook
293	Orhanometallics for Green Catalysis	Pierre H. Dixneuf, Jean-Francois Soule	Springer	2018	Catalysis	Textbook
294	Metal Oxide Catalysis	S. David Jackson, Justin S. J. Hargreaves	Wiley-VCH	2009	Catalysis	Textbook
295	Kinetics of Catalytic Reactions	M. Albert Vannice	Springer	2005	Catalysis	Textbook
296	The Adsorption of Gases and Vapors Volume 1 Physical Adsorption	Stephen Brunauer	Oxford University Press	1943	Catalysis	Textbook
297	The Physical Basis for Heterogeneous Catalysis	Edmund Drauglis, Robert I. Jaffee	Springer	1975	Catalysis	Textbook
298	Zeolite Catalysis: Principles and Applications (Spiral) 2 copy	Subhash Bhatia	CRC Press	1990	Catalysis	Textbook
299	Surface Area and Porosity. Determinations by Physisorption. Measurements and Theory.	James B. Condon	Elsevier	2006	Catalysis	Textbook
300	Powder Surface Area and Porosity 2e	S. Lowell, Joan E. Shields	Chapman and Hall	1984	Catalysis	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
301	Principles fo Adsorption and Reacrtion on Solid Surfaces	Richard I. Masel	Wiley-Interscience	1996	Catalysis	Textbook
302	Uniform Interpretation of Gas/Solid Adsorption	Jozsef Toth	Elsevier	1995	Catalysis	Textbook
303	Adsorption, Surface Area and Porosity	S. J. Gregg, K. S. W. Sing	Academic Press	1982	Catalysis	Textbook
304	Characterization of Porous Solids and Powders: Surface Area, Pore Size and Density	S. Lowell, Joan E. Shields, Martin A, Thomas, Matthias Thommes	Springer	2004	Catalysis	Textbook
305	Powder Surface Area and Porosity 3e	S. Lowell, Joan E. Shields	Springer	1991	Catalysis	Textbook
306	Ammonia Synthesis Catalysts. Innovation and Practice	Huazhang Liu	World Scientific	2013	Catalysis	Textbook
307	Ammonia Principles and Industrial Practice	Max Appl	Wiley-VCH	1999	Catalysis	Textbook
308	Catalytic Ammonia Synthesis. Fundamentals and Practice.	J. R. Jennings	Springer	1991	Catalysis	Textbook
309	Ammonia Catalysis and Manufacture	Anders Nielsen	Springer	1995	Catalysis	Textbook
310	Intrumental Methods in Electrochemistry	Southampton Electrochemistry Group	Woodhead Publishing	2001	Electrochemistry	Textbook
311	Electrochemical Energy System. Foundations, Energy Storage and Conversion	Artur Braun	De Gruyter	2019	Electrochemistry	Textbook
312	Lithium Batteries. Advanced Tchnology and Its Applications	Bruno Scrosati, K. M. Abraham, Walter van Schalkwijk, Jusef Hassoun	Wiley-ECS	2013	Electrochemistry	Textbook
313	Fundamentals of Electrocatalysts Materials and Interfacial Characterization. Energy Producing Devices and Environmental Protection.	Nicolas Alonso-Vante, Carlos Augusto Campos Roldan, Rosa de Guadalupe Gonzalez Huerta, Guadalupe Ramos Sanchez, Arturo Manzo Robledo	Wiley-Scrivener	2019	Electrochemistry	Textbook
314	Hydrogen, Batteries and Fuels Cells	Bengt Suden	Academic Press	2019	Electrochemistry	Textbook
315	Lithium-Ion Battery Chemistries. A Primer	John T. Warner	Elsevier	2019	Electrochemistry	Textbook
316	Physical Electrochemistry. Fundamentals, Techniques and Applications 1e	Eliezer Gileadi	Wiley-VCH	2011	Electrochemistry	Textbook
317	The Physical Basis of Chemistry 2e	Warren S. Warren	Academic Press	2001	Physical Chemistry	Textbook
318	Commonly Asked Questions in Thermodynamics	Marc J. Assael, Anthony R. H. Goodwin, Michael Stamatoudis, William A. Wakeham, Stefan Will	CRC Press	2011	Thermodynamics	Textbook

		Wakenam, Stefan Will				
319	Seven Solid States. An Introduction to the Chemistry and Physics of Solids	Walter J. Moore	W. A. Benjamin, Inc	1967	Crystallography	Textbook
320	Physical Chemistry. How Chemistry Works.	Kurt W. Kolansinki	John Wiley & Sons	2017	Physical Chemistry	Textbook
321	An Introduction to Chemical Kinetics	Clarie Vallance	Morgan & Claypool Publishers	2017	Physical Chemistry	Textbook
322	The Gaseous State	N. G. Parsonage	Pergamon Press	1966	Physical Chemistry	Textbook
323	Thermal Analysis in Clay Science	Frederick A. Mumpton	The Clay Mineral Society	1990	Analytical Chemistry	Textbook
324	Nanotechnology. A Crash Course	Raul J. Martin-Palma, Akhilesh Lakhtakia	SPIE Press	2010	Material Science	Textbook
325	Methanol. Science and Engineering	Angelo Basile, Francesco Dalena	Elsevier	2018	Industrial Chemistry	Textbook
326	Ethanol Science and Engineering	Angelo Basile, Adolfo Lulianelli, Francesco Dalena, T. Nejat Veziroglu	Elsevier	2019	Industrial Chemistry	Textbook
327	The Oxford Solid State Basics	Steven H. Simon	Oxford University Press	2013	Solid State Science	Textbook
328	Structure and Bonding	Jack Barrett	Royal Society of Chemistry	2001	Quantum Chemistry	Textbook
329	Schrodinger's Mechanics Interpretation	David B Cook	World Scientific	2018	Quantum Chemistry	Textbook
330	Equilibrium Statistical Mechanics 2e	F. C. Andrews	Wiley-Interscience	1975	Statistical Mechanics	Textbook
331	Neither Physics nor Chemistry. A Histrory of Quantum Chemistry.	Kostas Gavroglu, Ana Simocs	MIT Press	2012	Quantum Chemistry	Textbook
332	Chemical Hardness	Ralph G. Pearson	Wiley-VCH	1997	Catalysis	Textbook
333	Solid State Chemistry and Its Application, Student Edition	Anthony R. West	John Wiley & Sons	2014	Solid State Science	Textbook
334	Photochemistry of Organic Compounds	Petr Klan, Jakob Wirz	John Wiley & Sons	2009	Photochemistry	Textbook
335	Principles and Applications of Photochemistry	Brian Wardle	John Wiley & Sons	2009	Photochemistry	Textbook
336	The Quantum Physicists And an Introduction to Their Physics	Willaim H. Cropper	Oxford University Press	1970	Quantum Chemistry	Textbook
337	A First Introduction to Quantum Physics	Pieter Kok	Springer	2018	Quantum Chemistry	Textbook
338	Quantum Mechanics for Engineers and Scientists and Engineers	David A. B. Miller	Cambridge University Press	2008	Quantum Chemistry	Textbook
339	The Physical Principles of Quantum Theory	Werner Heisenberg	Dover Publications	1949	Quantum Chemistry	Textbook
340	Electrons, Atoms and Molecules in Inorganic Chemistry. A Worked Examples Approach	Joseph J. Stephanos, Anthony W. Addison	Academic Press	2017	Quantum Chemistry	Textbook
341	Qualitative Methods in	A. B. Midgal, Anthony J,	CRC Press	2018	Quantum	Textbook

341	Quantum Theory	Leggett	CRC Press	2016	Quantum Chemistry	Textbook
342	Absalutely Small. How Quantum Theory Explains our Everyday World	Michael D. Fayer	American Management Association	2010	Quantum Chemistry	Textbook
343	Probability and Schrodinger Mechanics	David B. Cook	World Scientific	2002	Quantum Chemistry	Textbook
344	Elementary Electronic Structure	Walter A. Harrison	World Scientific	1999	Quantum Chemistry	Textbook
345	Introduction to Electronic Properties of Materials 2e	David Jiles	Chapman and Hall	2001	Quantum Chemistry	Textbook
346	Electronic Structure and Properties of Solids	Walter A. Harrison	Dover Publications	1989	Quantum Chemistry	Textbook
347	Solids and Surfaces: A Chemist's View of Bonding in Extended Structures	Roald Hoffmann	Wiley-VCH	1988	Quantum Chemistry	Textbook
348	Orbital Approach to the Electronic Structure of Solids	Enric Canadell, Marie-Liesse Doublet, Christophe lung	Oxford University Press	2012	Quantum Chemistry	Textbook
349	Electronic Structure of Materials	Adrian P. Sutton	Clarendon Press	2004	Quantum Chemistry	Textbook
350	Atoms, Molecules and Photons. An Introduction to Atomic-, Molecular- and Quantum Physics	Wolfgang Demtroder	Springer	2006	Quantum Chemistry	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
351	Electrons in Molecules. From Basic Principles to Molecular Electronics	Jean-Pierre Launay, Michel Verdaguer	Oxford University Press	2014	Quantum Chemistry	Textbook
352	Electrons and Crystals	Th. Wolkenstein	MIR Publishers	1985	Quantum Chemistry	Textbook
353	Surfaces and Interfaces of Electronic Materials	Leonard J. Brillson	Wiley-IEEE	2010	Material Science	Textbook
354	Electrons and Chemical Bonding	Harry B. Gray	W. A. Benjamin, Inc	1965	Quantum Chemistry	Textbook
355	Semiconductors Made Simple	A. M. Polyakov	MIR Publishers	1985	Semiconductor Physics	Textbook
356	Temparature. Sciecne for Everyone	Ya. A. Smorodinsky	MIR Publishers	1988	Thermodynamics	Textbook
357	The Basic Concept of Quantum Mechanics	L. V. Tarasov	MIR Publishers	1980	Quantum Chemistry	Textbook
358	ABC's of Quantum Mechanics	V. Ryadnik	MIR Publishers	1966	Quantum Chemistry	Textbook
359	The Structure of Matter	M. Karapetyants, S. Drakin	MIR Publishers	1978	Quantum Chemistry	Textbook
360	Surface and Interface Analysis. An Electrochemists Toolbox	Rudolf Holze	Springer	2009	Electrochemistry	Textbook
361	Nanoparticle Design and Characterization for Catalytic Applications in Sustainable Chemistry	Rafael Luque, Pepijin Prinsen	Royal Society of Chemistry	2019	Catalysis	Research Book
362	Quantum Chemistry and Spectroscopy	Thomas Engel	Pearson	2013	Quantum Chemistry	Textbook
363	General Chemistry Volume 1	N. L. Glinka	MIR Publishers	1986	General Chemistry	Textbook
364	General Chemistry Volume 2	N. L. Glinka	MIR Publishers	1986	General Chemistry	Textbook
365	The Basics of Spectroscopy	David W. Ball	SPIE Press	2001	Analytical Chemistry	Textbook
366	Quantitative Methods of Data Analysis for the Physical Sciences and Engineering	Douglas G. Martinson	Cambridge University Press	2018	Analytical Chemistry	Textbook
367	Spectroscopic Methods in Minerology and Material Sciences	Grant S. Henderson, Daniel R. Neuville, Robert T. Downs	De Gruyter	2015	Analytical Chemistry	Textbook
368	Standards in Fluorescence Spectrometry	J. N. Miller	Chapman and Hall	1981	Analytical Chemistry	Textbook
369	Modern Raman Spectroscopy. A Practical Approach 2e	Ewen Smith, Geoffrey Deat	John Wiley & Sons	2019	Analytical Chemistry	Textbook
370	Charactization of Composite Materials	Hatsuo Ishida, Lee E. Fitzpatrick	Butterworth-Heinemann	1994	Analytical Chemistry	Textbook
371	Surface Analytical Techniques	J. C. Riviere	Clarendon Press	1990	Analytical Chemistry	Textbook
372	Modern Techniques of Surface Science 2e	D. P. Woodruff, T. A. Delchar	Cambridge University Press	2017	Analytical Chemistry	Textbook

373	Design, Synthesis & Photocatalytic Evaluation of Transition Metal/Carbon Nanotube Modified Titania	Honey Mary Joseph	Cochin University of Science and Technology	2018	Photocatalysis	Thesis
374	Physical Chemistry: Thermodynamics	Horia Metiu	Taylor and Francis	2006	Thermodynamics	Textbook
375	Hydrogen Storage Technologies	Mehmet Sankir , Nurdan Demirci Sankir	Wiley Scrivener Publishing	2018	Catalysis	Research Book
376	Principles of Electronic Materials and Devices	S. O. Kasap	McGraw Hill Education	2018	Material Science	Textbook
377	Device Physics for Narrow Gap Material	Junhao Chu, Arden Sher	Springer	2010	Semiconductor Physics	Textbook
378	Semiconductor Nanostructures. Quantum States and Electronic Transport	Thomas Ihn	Oxford University Press	2010	Semiconductor Physics	Textbook
379	Semiconductor Materials. An Introduction to Basic Principles.	B. G. Yacobi	Kluwer Academic Publishers	2003	Semiconductor Physics	Textbook
380	Learning the Art of Electronics. A Hands On Lab Course	Thomas C. Hayes	Cambridge University Press	2015	Semiconductor Physics	Textbook
381	The Art of Electronics 3e	Paul Horowitz, Winfield Hill	Cambridge University Press	2015	Semiconductor Physics	Textbook
382	Semiconductor Surfaces and Interfaces 3e	Winfried Monch	Springer	2001	Semiconductor Physics	Textbook
383	Active Oxygen in Chemistry	Christopher S. Foote, Joan Selverstone Valentine, Arthur Greenberg, Joal F. Liebman	Blackie Academic & Professional	1995	Free Radical Chemistry	Textbook
384	Oxygen Chemistry	Donald T. Sawyer	Oxford University Press	1991	Free Radical Chemistry	Textbook
385	Self-Assemmbly. From Surfactants to Nanoparticles	Ramanathan Ragarajan	John Wiley & Sons	2019	Colloidal Chemistry	Textbook
386	Molecular Modelling for Beginners 2e	Alan Hinchliffe	John Wiley & Sons	2008	Computational Chemistry	Textbook
387	Computational Chemistry 2e	Errol G. Lewars	Springer	2011	Computational Chemistry	Textbook
388	Quantum Computational Chemistry. Modelling and Calculation from Functional Materials	Taku Onishi	Springer	2018	Computational Chemistry	Textbook
389	Essentials of Computational Chemistry. Theories and Models. 2e	Christopher J. Cramer	John Wiley & Sons	2004	Computational Chemistry	Textbook
390	Computational Material Discovery	Artem R.Oganov, Gabriele Salch, Alexander G. Kvashnin	Royal Society of Chemistry	2019	Computational Chemistry	Textbook
391	X-ray Crystallography	William Clegg	Oxford University Press	2015	Crystallography	Textbook
392	Essentials of Crystallography	Duncan McKie, Christine McKie	Blackwell Scientific Publications	1990	Crystallography	Textbook
393	A Journey into Reciprocal Space. A Crystallographer's	A.M.Glazer	Morgan & Claypool	2017	Crystallography	Textbook

393	Space: A Crystallographer's Perspective	A M Glazer	Claypool Publishers	2017	Crystallography	Textbook
394	The Basics of Crystallography and Diffraction 4e	Christopher Hammond	Oxford Science Publications-IUCr	2015	Crystallography	Textbook
395	Introduction to the Thermodynamics of Materials	David R. Gaskell, David E. Laughlin	CRC Press	2018	Thermodynamics	Textbook
396	Thermodynamics of Solids	Richard A. Swalin	John Wiley & Sons	1962	Thermodynamics	Textbook
397	Thermodynamics and Chemistry 2e	Howard Devoe	Self Publication	2012	Thermodynamics	Textbook
398	Thermodynamics, Statistical Thermodynamics & Kinetics	Thomal Engel, Philip Reid	Pearson	2013	Thermodynamics	Textbook
399	A Conceptual Guide to Thermodymics	Bill Poirier	John Wiley & Sons	2014	Thermodynamics	Textbook
400	Thermodynamics of Solar Energy Conversion	Alexis De Vas	Wiley-VCH	2008	Thermodynamics	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
401	Sol-Gel Science. The Physics and Chemistry of Sol-Gel Processing	C. Jeffrey Brinker, George W. Scherer	Academic Press	1990	Catalyst Synthesis	Textbook
402	Handbook of Hydrothermal Technology 2e	K .Byrappa, Masahiro Yoshimura	Elsevier	2013	Catalyst Synthesis	Textbook
403	Metal Oxide Chemistry and Synthesis. From Solution to Solid State	Jean-Pierre Jolivet, Marc Henry, Jacques Livage, Eric Bescher	John Wiley & Sons	2000	Catalyst Synthesis	Textbook
404	Chemical Dissolution of Metal Oxides	Miguel A Blesa, Pedro J. Morando, Alberto E. Regazzoni	CRC Press	1994	Environmetal Chemistry	Textbook
405	Principles of X-ray Crystallography	Li-ling Ooi	Oxford University Press	2010	Crystallography	Textbook
406	Basic Surfaces and their Analysis	Lyudmila V Goncharova	Morgan & Claypool Publishers	2018	Surface Science	Textbook
407	Heterogeneous Photocatalysis Relationship with Heterogeneous Catalysis and Perspectives	Guiseppe Marci, Leonardo Palmisano	Elsevier	2019	Photocatalysis	Textbook
408	The Science of Construction of Materials	Per Freisleben Hansen	Springer	2009	Material Science	Textbook
409	Chemistry of Environmental Systems. Fundamentals Principles and Analytical Methods	Jeffrey S. Gaffney, Nancy A. Marley	John Wiley & Sons	2020	Environmetal Chemistry	Textbook
410	General Chemistry for Engineers	Jeffrey S. Gaffney, Nancy A. Marley	Elsevier	2018	General Chemistry	Textbook
411	Organometalic Chemistry, 2e	Gary O. Spessard, Gary L. Miessler	Oxford University Press	2010	General Chemistry	Textbook
412	Chemistry	Linus Pauling, Peter Pauling	W. H. Freeman and Company	1975	General Chemistry	Textbook
413	Physical Chemistry. Understanding our Chemical World	Paul Monk	John Wiley & Sons	2004	Physical Chemistry	Textbook
414	Aquatic Chemical Kinetics. Reaction Rates of Processes in Natural Waters	Werner Stumm	John Wiley & Sons	1990	Environmetal Chemistry	Textbook
415	Chemistry of the Solid-Water Interface. Processes at the Mineral-Water and Particle-Water Interface in Natural Systems	Werner Stemm	John Wiley & Sons	1992	Environmetal Chemistry	Textbook
416	Aquatic Chemistry Concepts	James F. Pankow	CRC Press	1991	Environmetal Chemistry	Textbook
417	Physical Electrochemistry. Fundamentals, Techniques and Applications 2e	Noam Eliaz, Eliezer Gileadi	Wiley-VCH	2018	Electrochemistry	Textbook
418	Surface Electrochemistry. A Molecular Level Approach	John O'M. Bockris, Shahed U. M. Khan	Springer	1993	Electrochemistry	Textbook

	Molecular Level Approach	Shahed U. M. Khan				
419	Applications of Analytical Techniques to the Characterization of Materials	Dale L. Perry	Springer	1991	Analytical Chemistry	Textbook
420	Introduction to Surface Analysis by XPS and AES 2e	John F. Watts, John Wolstenholme	John Wiley & Sons	2020	Analytical Chemistry	Textbook
421	Practical Surface Analysis by Auger and X-ray Photoelectron Spectroscopy	D. Briggs, M. P. Seah	John Wiley & Sons	1983	Analytical Chemistry	Textbook
422	Quantitative Core Level Photoelectron Spectroscopy. A Primer	Juan A Colon Santana	Morgan & Claypool Publishers	2015	Analytical Chemistry	Textbook
423	Quantitative Spectroscopy: Theory and Practice	Brian C. Smith	Academic Press	2002	Analytical Chemistry	Textbook
424	Optical Characterization of Semiconductors: Infrared, Raman, and Photoluminescence Spectroscopy	Sidney Perkowitz	Academic Press	1993	Analytical Chemistry	Textbook
425	Methods of Soli Analysis Part 5- Minerological Methods	April L. Ulery, L. Richard Dress	Soil Society of America, Inc.	2008	Analytical Chemistry	Textbook
426	Diffuse Reflectance Spectroscopy in Environmental Problem Solving	R. W. Frei, J. D. MacNeii	CRC Press	1973	Analytical Chemistry	Textbook
427	Characterization of Solid Materials and Heterogenous Catalysts	Michel Che and Jacques C. Vedrine	Wiley-VCH	2012	Analytical Chemistry	Textbook
428	Molecular Spectroscopy of Oxide Catalyst Surfaces	Anatoli Dawydov	John Wiley & Sons	2003	Analytical Chemistry	Textbook
429	Semiconductor Material Device and Characterization 3e	Dieter K. Schroder	Wiley-IEEE	2006	Analytical Chemistry	Textbook
430	Ordered Mesoporous Materials (2)	Dongyuan Zhao, Ying Wan, Wuzong Zhou	Wiley-VCH	2013	Catalysis	Textbook
431	Introduction to Porous Materials	Pascal Van Der Voort, Karen Leus, ELS De Canck	John Wiley & Sons	2019	Catalysis	Textbook
432	Nanoporous Materials for Gas Storage	Katsumi Kaneko, Francisco Rodriguez-Reinoso	Springer	2019	Catalysis	Textbook
433	Nanocasting. A Versatile Strategy for Casting Nanostructured Porous Materials	An-Hui, Dongyuan Zhao, Ying Wan	Royal Society of Chemistry	2010	Catalysis	Textbook
434	Advanced Organic Chemistry. Reactions, Mechanisms and Structure 4e	Jerry March	Wiley India	2007	Organic Chemistry	Textbook
435	Introduction to Crystallography	Donald E. Sands	Dover Publications	1975	Crystallography	Textbook
436	Chemical Energy and Exergy: An Introduction to Chemical Thermodynamics for Engineers	Norio Sato	Elsevier	2004	Thermodynamics	Textbook
437	How to Write Successful Science Thesis. the Consise Guide for Students	William E. Russey, Hans F. Ebel, Claus Bliefert	Wiley-VCH	2006	Science Writing	Textbook
	Write Like a Chemist: A	Martin S. Roninson, Fredricka L. Stoller,	Oxford			

438	Write Like a Chemist. A Guide to Resource.	Molly S. Costanza-Robinson, James K. Jones	University Press	2008	Science Writing	Textbook
439	Writing Successful Academic Books	Anthony Haynes	Cambridge University Press	2010	Science Writing	Textbook
440	Practical Perspectives on Science Education	Marvin Drugger	American Society of Agronomy, Inc.	2010	Chemical Education	Textbook
441	How to be a Better Scientist	Andrew Johnson, John Sumpter	Routledge	2019	Chemical Education	Textbook
442	Skills for Scientific Life	John R. Helliwell	CRC Press	2017	Chemical Education	Textbook
443	The Scientist's Role in Society. A Comparative Study	Joseph Ben-David	Prentice-Hall	1971	Chemical Education	Textbook
444	The Science and Politics of Climate Change. A Guide to the Debate	Andrew E. Dessler, Edward A. Parson	Cambridge University Press	2006	Energy and Environment	Textbook
445	Taming the Sun. Innovation to harness Solar Energy and Power the Planet	Varun Sivaram	MIT Press	2018	Energy and Environment	Textbook
446	Energy and Cilization. A History	Vaclav Smil	MIT Press	2017	Energy and Environment	Textbook
447	Green Illusions. The Dirty Secret of Clean Energy and the Future of Environmentalism	Ozzie Zehner	University of Nebraska Press	2012	energy and Environment	Textbook
448	Polypyrrole with Improved Solubility, Synthesized using Different Doping Techniques for Applications in Energy Storage Devices	Joseph John	Cochin University of Science and Technology	2019	Electrochemistry	Thesis
449	Activation of Carbon Dioxide-Conversion to Fuels and Chemicals	V. Jeyalakshmi	Madurai Kamaraj University	2016	Photocatalysis	Thesis
450	Crystalline Carbon Nitride: Characterization, Intercalation and Exfoliation	Theo M. Suter	University of California	2018	Carbon Materials	Thesis

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
451	On New Allotropes and Nanostructures of Carbon Nitride	Michael Janus Bojdys	University of Potsdam	2009	Carbon Materials	Thesis
452	Pathways to Modern Chemical Physics	Salvatore Califano	Springer	2012	Science History	Textbook
453	The Development of Catalysis. A History of Key Processes and Personas in Catalytic Science and Technology	Adriano Zecchina, Salvatore Califano	Wiley-VCH	2017	Science History	Textbook
454	From Coello to Inorganic Chemistry. A Life Time of Reactions.	Fred Basolo	Springer	2002	Science History	Textbook
455	Landmarks in Organo-Transition Metal Chemistry. A Personal View.	Helmut Warner	Springer	2009	Science History	Textbook
456	Electrochemical Reduction of Carbon Dioxide. Overcoming the Limitations of Photosynthesis	Frank Marken, David Fermin	Royal Society of Chemistry	2018	Carbon Dioxide Utilization	Research Book
457	The Chemistry of CO2 and TiO2. From Breating Minerals to Life on Mars	Svatoplk Civis, Martin Ferus, Antonin Knizek	Springer	2019	Carbon Dioxide Utilization	Research Book
458	An Economy Based on Carbon Dioxide and Water. Potential of Large Scale Carbon Dioxide Utilization	Michele Aresta, Iftekhar Karimi, Sibudjing Kawi	Springer	2019	Carbon Dioxide Utilization	Research Book
459	Electrochemical Reduction of Carbon Dioxide. Fundamentals and Technologies	Jinli Qiao, Yuyu Liu, Jiujun Zhang	CRC Press	2016	Carbon Dioxide Utilization	Research Book
460	Electrochemical Engineering	Thomas F. Fuller, John N. Harb	John Wiley & Sons	2018	Electrochemistry	Textbook
461	Electrochemical Science and Technology. Fundamentals and Applications	Keith B. Oldham, Jan C. Myland, Alan M. Bond	John Wiley & Sons	2013	Electrochemistry	Textbook
462	Physical Electrochemistry. Fundametals, Techniques and Applications	Eliezer Gileadi	Wiley-VCH	2013	Electrochemistry	Textbook
463	Introduction to Electrochemical Science and Engineering	Serguei N. Lvov	CRC Press	2015	Electrochemistry	Textbook
464	Principles and Applications of Electrochemistry 4e	D. R. Crow	Chapman and Hall	1994	Electrochemistry	Textbook
465	Understanding Voltammetry 3e	Richard G Compton, Craig E Banks	World Scientific	2018	Electrochemistry	Textbook
466	Perovskites. Modern and Ancient	Roger H. Mitchell	Almaz Press	2002	Perovskites	Textbook
467	Energy-Level Control at Hybrid Inorganic/Organic Semiconductor Interfaces	Raphael Schlesinger	Springer	2017	Perovskites	Textbook
468	Oxide Thermoelectric Materials. From Basic Principles to Applications.	Yuan-Hua Lin, Jinle Lan, Cewen Nan	Wiley-VCH	2019	Perovskites	Textbook
469	The Coming of Materials Science	Robert W. Cahn	Pergamon Press	2001	Material Science	Textbook
470	Minerological Applications of Crystal Field Theory 2e	Roger G. Burns	Cambridge University	1993	Material Science	Textbook

	Crystal Field Theory 2e		Press			
471	Minerals. Their Constitution and Origin	Hans-Rudolf Wenk, Andrei Bulakh	Cambridge University Press	2006	Material Science	Textbook
472	Perovskites. Structure-Property Relationships	Richard J. D. Tilley	John Wiley & Sons	2016	Perovskites	Textbook
473	Organic-Inorganic Halide Perovskite Photovoltaics. From Fundamentals to Device Architectures	Nam-Gyu Park, Micheal Gratzel, Tsutomu Miyasaka	Springer	2016	Perovskites	Textbook
474	Magnetic Perovskites. Synthesis, Structure and Physical Properties	Asish K. Kundu	Springer	2016	Perovskites	Textbook
475	Perovskites and Related Mixed Oxides. Concept and Applications. Volume 1. Rational Design and Related Physical Properties.	Pascal Granger, Vasile I. Parvulescu, Serge Kaliaguine, Wilfrid Prellier	Wiley-VCH	2016	Perovskites	Textbook
476	Perovskites and Related Mixed Oxides. Concept and Applications. Volume 2. Perovskites in Catalysis	Pascal Granger, Vasile I. Parvulescu, Serge Kaliaguine, Wilfrid Prellier	Wiley-VCH	2016	Perovskites	Textbook
477	Perovskites and Related Mixed Oxides. Concept and Applications. Volume 3. Future Prospects from Synthesis to Reactor Design	Pascal Granger, Vasile I. Parvulescu, Serge Kaliaguine, Wilfrid Prellier	Wiley-VCH	2016	Perovskites	Textbook
478	Nanostructured Energy Devies. Equilibrium Concepts and Devices	Juan Bisquert	CRC Press	2015	Solar Cell	Textbook
479	The Physics of Solar Cells. Perovskites, Organics, and Photovoltaic Fundamentals	Juan Bisquert	CRC Press	2018	Solar Cell	Textbook
480	Nanostructured Energy Devices. Fundamentals of Carrier Transport	Juan Bisquert	CRC Press	2018	Solar Cell	Textbook
481	Physics of Solar Cells. From Basic Principles to Advanced Concepts 3e	Peter Wurfel, Uli Wurfel	Wiley-VCH	2016	Solar Cell	Textbook
482	Physics of Energy Sources	George C. King	John Wiley & Sons	2018	Solar Cell	Textbook
483	Energy Conversion Efficiency of Solar Cells	Takashi Kita, Yukihiro Harada, Shigeo Asahi	Springer	2019	Solar Cell	Textbook
484	Photovoltaics. Fundamentals, Technology and Practice	Konrad Mertens	John Wiley & Sons	2014	Solar Cell	Textbook
485	Photoelectrochemical Solar Cells	Nurdan Demirci Sankir, Mehmet Sankir	Scrivener Publishing	2019	Solar Cell	Textbook
486	Dye-Sensitized Solar Cells. Mathematical Modeling, and Materials Design and Optimization	Masound Soroush, Kenneth K. S. Lau	Academic Press	2019	Solar Cell	Textbook
487	The Photophysics behind Photovoltaics and Photonics	Gugliemo Lanzani	Wiley-VCH	2012	Solar Cell	Textbook
488	Photochemistry and Photophysics. Concepts, Research, Applications	Vincenzo Balzani, Paola Ceroni, Alberto Juris	Wiley-VCH	2014	Solar Cell	Textbook
489	Advanced Semiconductor Fundamentals 2e	Robert E. Pierret	Pearson Education	2002	Semiconductor Physics	Textbook
490	Metal-Semiconductor Schottky Barrier Junctions and Their	B. L. Sharma	Plenum Press	1984	Semiconductor Physics	Textbook

	Applications					
491	Heterojunction and Metal-Semiconductor Hererojunction	A. G. Milnes, D. L. Feucht	Academic Press	1972	Semiconductor Physics	Textbook
492	Semiconductor Heterojunctions	B. L. Sharma, R. K. Purohit	Pergamon Press	1974	Semiconductor Physics	Textbook
493	The Nature of Magnetism	M. I. Kaganov, V. M. Tsukernik	MIR Publishers	1985	Quantum Chemistry	Textbook
494	Semiconductor Physics	Karl W. Boer, Udo W. Pohl	Springer Reference	2018	Semiconductor Physics	Textbook
495	Superconductivity	V. L. Ginzburg, E. A. Andryushin	World Scientific	2004	Quantum Chemistry	Textbook
496	Radiative Properties of Semiconductor	N. M. Ravindra, Sita Rajyalaxmi Marathi, Asahel Banobre	Morgan & Claypool Publishers	2017	Semiconductor Physics	Textbook
497	Freshman Lectures on Nanotechnology	Hassan Raza	Springer	2019	Material Science	Textbook
498	Maxwell's Equations of Electrodynamics. An Explanation/ Optielectronics of Solar Cells	David W. Ball/Greg P. Smestad	SPIE Press	2012	Solar Cell	Textbook
499	Amorphous Semiconductors. Structural, Optical, and Electronic Properties	Kazuo Morigaki, Sandor Kugler, Koichi Shimakawa	Wiley-VCH	2017	Semiconductor Physics	Textbook
500	Materials Science and Engineering of Carbon: Characterization	Michio Inagaki, Feiyu Kang	Elsevier	2016	Carbon Materials	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
501	Novel Carbon Materials and Composites. Synthesis, Properties and Applications	Xin Jiang, Zhenhui Kang, Xiaoning Guo, Hao Zhuang	Wiley-VCH	2019	Carbon Materials	Textbook
502	Metal-free functionalized Carbons in Catalysis. Synthesis, Characterization and Applications	Alberto Villa, Nikolaos Dimitratos	Royal Society of Chemistry	2018	Carbon Materials	Textbook
503	Carbon-Based Metal-Free Catalysts. Design Applications. Volume 1 & 2	Liming Dai	Wiley-VCH	2018	Carbon Materials	Textbook
504	Green Carbon Materials. Advances and Applications	Thomas E. Rufford, Denisa Hulicova-Jurcakova, John Zhu	Pan Stanford Publishing	2014	Carbon Materials	Textbook
505	Carbon Materials for Catalysis	Philippe Serp, JoseLuis Figueiredo	John Wiley & Sons	2009	Carbon Materials	Textbook
506	Nanostructured Carbon Materials for Catalysis	Philippe Serp, Bruno Machado	Royal Society of Chemistry	2015	Carbon Materials	Textbook
507	Carbon Nanomaterials in Hydrogenation Catalysis	Edward Furimsky	Royal Society of Chemistry	2019	Carbon Materials	Textbook
508	Chemically Derived Graphene	Jintao Zhang	Royal Society of Chemistry	2018	Carbon Materials	Textbook
509	Industrial Catalysis. Chemistry and Mechanism	James D. Burrington	Imperial College Press	2016	Catalysis	Textbook
510	Analytical Techniques in the Sciences ANTS. Fundamentals of Electroanalytical Sciences	Paul Monk	John Wiley & Sons	2005	Electrochemistry	Textbook
511	Tables of Standard Electrode Potential	Guilio Milazzo, Sergio Caroli, V. K. Sharma	Wiley-Interscience	1978	Electrochemistry	Textbook
512	The Encyclopedia of Electrode Potential	Marvin S. Antelman, Franklin J. Harris	Plenum Press	1982	Electrochemistry	Textbook
513	Rate Constants for Reactions of Inorganic Radicals in Aqueous Solution	P. Neta, Robert E. Hue, Alberta B. Ross	AIP and ACS	1988	Electrochemistry	Textbook
514	Reactivity of HO2/O2- Radicals in Aqueous Solution	Benon H. J. Bielski, Diene E. Cabelli, Ravindra L. Arudi	American Chemical Society	1985	Electrochemistry	Textbook
515	Perovskite Solar Cell. Technology and Practices	KunWu Fu, Anita Wing Yi Ho-Baillie, Hemant Kumar Mulmudi, Pham Thi Thu Trang	CRC Press	2019	Solar Cell	Textbook
516	Mastering Chemistry Series	Peter Critchlow	The Macmillan Press	1982	General Chemistry	Textbook
517	Electromagnetism. University Physics with Modern Physics, 14th Edition	Hugh D. Young, Roger A. Freedman	Pearson	2016	Physics	Textbook

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518	Properties of Synthetic Two Diamensional Materials and Heterostructures	Yu-Chuan Lin	Proquest	2017	2D Materials	Thesis
519	Basic Research Needs for Catalysis Science to Transform Energy to Technologies	U. S. Department of Energy	U. S. Department of Energy	2017	Catalysis	Research Report
520	Defect Chemistry of Methylamonium Lead Iodide	Alessandro Senocrate	Ecole Polytechnique	2018	Perovskites	Thesis
521	At the Bench. A Laboratory Navigator.	Kathy Barker	Cold Spring Habor Laboratory Press	1998	Laboratory Practices	Laboratory Practices
522	Perovskites Special Issue	David B. Mitzi	American Chemical Society	2019	Perovskites	Special Issue
523	Advances in Solar Energy Conversion	Jinlong Gong, Can Li, Michael R. Wasielewski	Royal Society of Chemistry	2019	Photocatalysis	Special Issue
524	Research Needs Towards Sustainable Prodcuction of Fuels and Chemicals	Jens K. Norskov	Energy X	2019	Photocatalysis	Research Report
525	Characterization Techniques for Perovskite Solar Cell Materials	Meysam Pazoki, Anders Hagfeldt, Tomas Edvinsson	Elsevier	2020	Solar Cell	Textbook
526	Solar Energy. The Physics and Engineering of Photovoltaic Conversion, Technologies, and Systems	Arno HM Smets, Klaus Jager, Olindo Isabella, Rene ACMM van Swaaij, Miro Zeman	UIT Cambridge	2015	Solar Cell	Textbook
527	Handbook of Energy Storage. Demand, Technologies and Integration. Two Volumes	Michael Sterner, Ingo Stadler	Springer	2019	Energy and Environment	Textbook
528	Zeolites and Metal-Organic Framework. From Lab to Industry.	Vincent Blay, Luis F. Bobadilla, Alejandro Cabrera-Garcia	Atlantis Press	2019	Catalysis	Textbook
529	Oxygen in Catalysis	Adam Bielanski, Jerzy Haber	CRC Press	1991	Catalysis	Textbook
530	Misconceptions in Catalysis.	Compilation of Articles and Chapters	Article Complilation	2019	Light Matter Interaction	Research Book
531	Field Effect in Semiconductor Electrolyte Interfaces. Applications to Investigations of Electronic Properties of Semiconductor Surfaces	Pavel P. Koronov, Adil M. Yafyasov, Vladislav B. Bogevolnov	Princeton University Press	2006	Light Matter Interaction	Textbook
532	Photoconductivity of Solids	Richard H. Bube	John Wiley & Sons	1960	Light Matter Interaction	Textbook
533	Optical Properties of Excited States in Solids 2 Volumes	Baldassare Di Bartolo, Clyfe Beckwith	Springer	1992	Light Matter Interaction	Textbook
534	Materials Modification by Electronic Excitation	N. Itoh, A. M. Stoneham	Cambridge University Press	2003	Light Matter Interaction	Textbook
535	Electronic Processes on Semiconductor Surfaces during Chemisorption	T. Wolkenstein	Consultants Bureau	1991	Light Matter Interaction	Textbook
536	Photoeffects at Semiconductor-Electrolyte Interfaces	Arthur J. Nozik	American Chemical Society	1981	Light Matter Interaction	Textbook

537	Atoms and Molecules Interacting with Light. Atomic Physics for Laser Era	Peter Van Der Straten, Harold Metcalf	Cambridge University Press	2016	Light Matter Interaction	Textbook
538	Optical Processes in Semiconductors	Jacques I. Pankove	Dover Publications	1971	Light Matter Interaction	Textbook
539	Photoelectroc Properties of Semiconductor	Richard H. Bube	Cambridge University Press	1992	Light Matter Interaction	Textbook
540	Principles and Applications of Semiconductor Photoelectrochemistry	Ming X. Tan, Paul E. Laibinis, Sonbinh T. Nguyen, Janet M. Kesselman, Colby E. Stanton, Nathan E. Lewis	John Wiley & Sons	1994	Light Matter Interaction	Textbook
541	Electrochemistry at Metal and Semiconductor Electrode	Norio Sato	Elsevier	1998	Light Matter Interaction	Textbook
542	Photoelectrochemistry	Ya. Ya. Gurevich, Yu. V. Pleskov, Z. A Rotenberg	Consultants Bureau	1980	Light Matter Interaction	Textbook
543	Handbook of Heterogenous Catalysis. Photoelectrochemistry	Gerhard Ertl, Helmut Knözinger, Ferdi Schüth, Jens Weitkamp	Wiley-VCH	2008	Light Matter Interaction	Textbook
544	Photoelectrochemical Water Splititng Special Collection	Eric Miller	Royal Society of Chemistry	2015	Light Matter Interaction	Research Book
545	Photoelectrochemistry and Photovoltaics of Layered Semiconductors	A. Aruchamy	Kluwer Academic Publishers	1992	Light Matter Interaction	Textbook
546	Semiconductor Electrochemistry 2e	Rudiger Memming	Wiley-VCH	2015	Light Matter Interaction	Textbook
547	LaTex Cookbook	Stefan Kottwitz	PACKT Publishing	2015	Science Writing	Guide
548	Reliable Tool for Drawing Chemical Structure Formulas	Shinsaku Fujita	Shonan Institute of Chemoinformatics and Mathematical Society	2013	Science Writing	Guide
549	LaTex Beginners Guide	Stefan Kottwitz	PACKT Publishing	2011	Science Writing	Guide
550	Atmospheric Chemistry and Physics. From Air Pollution to Climate Change 3e	John H. Seinfeld, Spyros N. Pandis	Wiley-VCH	2016	Environmetal Chemistry	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
551	Hydrogen Effects in Catalysis. Fundamentals and Practical Applications	Zoltan Paal, P. G. Menon	CRC Press	1988	Catalysis	Textbook
552	Learn Tamil in 30 Days	N .Jegtheesh	Balaji Publications	2015	General	Guide
553	How to Write and Speak Better	John ellison Kahn	Reader's Digest	2001	Science Writing	Guide
554	Carbon Dioxide to Chemcials and Fuels	M. Aulice Scibioh, B. Viswanathan	Elsevier	2018	Carbon Dioxide Utilization	Textbook
555	An Introduction to the Physics and Electrochemistry of Semiconductors. Fundamentals and Applications	Maheshwar Sharon	Scrivener Publishing	2016	Semiconductor Physics	Textbook
556	Electronic Properties of Doped Semiconductor	B. I. Shklovskii, A. L. Efros	Springer	1984	Semiconductor Physics	Textbook
557	How to Develop Self-Confidence and Influence People by Public Speaking	Dale Carnegie	Pocket Books	1956	General Books	General Books
558	Scouting for Boys	Robert Baden-Powell	Oxford University Press	2005	General Books	General Books
559	Maturity. The Responsibility of Being Oneself	Osho	St. Martin's Griffin	1999	General Books	General Books
560	You Can Win. A Step-by-Step Tool for Top Achivers	Shiv Kera	Bloomsbury	2014	General Books	General Books
561	The Quick and Easy Way to Effective Speaking	Dale Carnegie	Pocket Books	1977	General Books	General Books
562	Genius. Einstein His Life and Universe	Walter Isaacson	Simon & Schuster	2007	General Science	General Science
563	Speaking Out. Lessons in Life and Politics	Ed Balls	Hutchinson	2016	General Books	General Books
564	The Last Wave. An Island Novel	Pankaj Sekhsaria	HarperCollins Publishers	2014	General Books	General Books
565	Learn in Women, Work, and the Will to Lead	Sheryl Sandberg	WH Allen	2015	General Books	General Books
566	Things to Make and Do in the Fourth Diamension	Matt Parker	Penguin Random House	2014	General Science	General Science
567	The Accidental Universe	P. C. W. Davies	Cambridge University Press	1990	General Science	General Science
568	A Feast of Vultures. The Hidden Business of Democracy of India	Josy Joseph	HarperCollins Publishers	2016	General Books	General Books
569	Ecological Journeys The Science and Politics of Conservation in India	Madhav Gadgil	Permanent Black	2001	Energy and Environment	Essay
570	Environmentalism A Global History	Ramachandra Guha	Penguin Random House	2014	Energy and Environment	Essay

571	The Ghost in the Atom	P. C. W. Davies, J, R. Brown	Cambridge University Press	1993	General Science	General Science
572	This Fissured Land	Madhav Gadgil, Ramachandra Guha	Oxford University Press	2018	Energy and Environment	Essay
573	To Burn or Not Burn. Feasilibity of Waste-to-Energy Plants in India	Centre for Science and Environment	Centre for Science and Environment	2018	Energy and Environment	Magazine
574	Charting the Future of City Compost	Centre for Science and Environment	Centre for Science and Environment	2018	Energy and Environment	Magazine
575	State of India's Environment 2019	Centre for Science and Environment	Centre for Science and Environment	2019	Energy and Environment	Magazine
576	State of India's Environment 2016	Centre for Science and Environment	Centre for Science and Environment	2016	Energy and Environment	Magazine
577	The State of Renewable Energy in India. A Citizen Report	Centre for Science and Environment	Centre for Science and Environment	2019	Energy and Environment	Magazine
578	Catch the Water Where It Falls. Toollit on Urban Rainwater Harvesting	Centre for Science and Environment	Centre for Science and Environment	2013	Energy and Environment	Magazine
579	Environmental Reader University	Centre for Science and Environment	Centre for Science and Environment	2017	Energy and Environment	Magazine
580	Atkin's Physical Chemistry	Peter Atkins, Julio De Paula	Oxford University Press	2009	Physical Chemistry	Textbook
581	Teaching of Chemistry	B. L. Sharma, B. M. Saxena	R. Lall Books	2014	Chemical Education	Textbook
582	Electrochemistry	B. Viswanathan, R. Venakataraman, K. Renga Rajan, S. Sundaram, P.S. Raghavan	S. Viswanathan Printers and Publishers	2007	Electrochemistry	Textbook
583	Catalysis Today Special Issue Dedicated to Paul Ratnasamy	Benjaram M Reddy, Subramanian Sivasanker, Arumugamangalam V. Ramaswamy	Elsevier	2012	Catalysis	Special Issue
584	Manushyanu Oru Aamukham (Malayalam)	Subash Chandran	DC Books	2015	General Books	General Books
585	Nashttapetta Neelambariyum Mattu Kathakalum (Malayalam)	Madhavikutti	Mathrubhoomi	2015	General Books	General Books
586	Paadam Onnu (Malayalam)	Suresh C. Pillai	Tamara	2018	General Books	General Books
587	Nostalgiathinte Pusthakam (Malayalam)	Nipin Narayanan	Nirmala Offset	2016	General Books	Geberal Books
588	Kunnolamundallo Bhoothakalakulir (Malayalam)	Deepa Nishanth	Kairali Books	2016	General Books	General Books
589	Enthu Padikanam Engane Thozhil Nedam? (Malayalam)	Murali Thummarakudi	Aspire	2017	General Books	General Books
590	Meluhayile Chiranjeevikal Sivapuranam 1 (Malayalam)	Amish	Poorna Publications	2015	General Books	General Books

591	Meluhayile Chiranjeevikal Sivapuranam 2 (Malayalam)	Amish	Poorna Publications	2015	General Books	General Books
592	Meluhayile Chiranjeevikal Sivapuranam 3 (Malayalam)	Amish	Poorna Publications	2015	General Books	General Books
593	Physical Chemistry Concepts and Theory	Kenneth S. Schmitz	Elsevier	2020	Physical Chemistry	Textbook
594	Understanding Physics and Physical Chemistry Using Formal Graph	Eric Vieil	Elsevier	2020	Physical Chemistry	Textbook
595	Bimetallic Nanostructures: Shape-Controlled Synthesis for Catalysis, Plasmonics, and Sensing Applications	Ya-Wen Zhang	John Wiley & Sons	2018	Catalysis	Textbook
596	Introduction to Reticular Chemistry: Metal-Organic Frameworks and Covalent Organic Frameworks	Omar M. Yaghi, Markus J. Kalmutzki, Christian S. Diercks	Wiley-VCH	2019	Catalysis	Textbook
597	Concepts of Modern Catalysis and Kinetics, 3rd Edition	I. Chorkendorff, J. W. Niemantsverdriet	Wiley-VCH	2017	Catalysis	Textbook
598	Solar Hydrogen Production: Processes, Systems and Technologies	Francesco Calise Massimo Dentice D'Accadia Massimo Santarelli Andrea Lanzini Domenico Ferrero	Academic Press	2019	Photocatalysis	Textbook
599	The Powerhouse: Inside the Invention of a Battery to Save the World	Steve Levine	Viking	2015	General Books	General Books
600	Principles of Semiconductor Devices, 2e	Sima Dimitrijev	Oxford University Press	2013	Semiconductor Physics	Textbook

S. N	Title of the Book	Author	Publisher	Year	Subject	Book Type
601	Applied Heterogenous Catalysis. Design Manufacture Use of Solid Catalysts	J. F. Le Page	Gulf Publishing Company	1987	Catalysis	Textbook
602	Recent Advances in Basic and Applied Aspects of Individual Catalysis	T. S. R. Prasad Rao, G. Murali Dhar	Elsevier	1998	Catalysis	Research Book
603	Catalysis in Petroluem and Petrochemical Industries	Krishna G Bhattacharyya, Anup T Talukdar	Narosa Publishing House	2005	Catalysis	Textbook
604	Recent Development in Catalysis. Theory and Practice	B. Viswanathan, C. N. Pillai	Narosa Publishing House	1990	Catalysis	Research Book
605	Physics and Chemistry of Surfaces	C. N. R. Rao and S. K. Joshi	Indian National Science Academy	1985	Surface Science	Research Book
606	Polymer Science Contemporary Themes Volume 1	S Sivaram	Tata McGraw Hill Publishing	1991	Polymer Science	Research Book