

**Chemistry and Materials**

S.No.	Contributors	Title	Product Category	Copyright Year	URL	ISBN_EBOOK	SUBJECTS	IEP EUR PRICE
1	Francesca Casadio; Katrien Keune; Petria Noble; Annelies Van Loon; Ella Hendriks; Silvia A. Centeno; Gillian Osmond	Metal Soaps in Art	Contributed volume	2019	<a href="http://link.springer.com/978-3-319-90617-1">http://link.springer.com/978-3-319-90617-1</a>	978-3-319-90617-1	Characterization and Evaluation of Materials Analytical Chemistry Cultural Heritage Spectroscopy and Microscopy Fine Arts Organometallic Chemistry	179.98
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423	Bhuvanesh Gupta; Anup K. Ghosh; Atsushi Suzuki; Sunita Rattan	Advances in Polymer Sciences and Technology	Proceedings	2018	<a href="http://link.springer.com/978-981-13-2568-7">http://link.springer.com/978-981-13-2568-7</a>	978-981-13-2568-7	Characterization and Evaluation of Materials Biomaterials Polymer Sciences Materials Engineering	299.98
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484	Yafang Han	High Performance Structural Materials	Proceedings	2018	<a href="http://link.springer.com/978-981-13-0104-9">http://link.springer.com/978-981-13-0104-9</a>	978-981-13-0104-9	Structural Materials Building Materials Ceramics, Glass, Composites, Natural Materials Metallic Materials	538.00

485	Yafang Han	Advanced Functional Materials	Proceedings	2018	<a href="http://link.springer.com/978-981-13-0110-0">http://link.springer.com/978-981-13-0110-0</a>	978-981-13-0110-0	Ceramics, Glass, Composites, Natural Materials Polymer Sciences Materials Engineering Optical and Electronic Materials Biomaterials	399.98
486	Cinzia Piatti; Simone Graeff-Hönniger; Forough Khajehei	Food Tech Transitions	Contributed volume	2019	<a href="http://link.springer.com/978-3-030-21059-5">http://link.springer.com/978-3-030-21059-5</a>	978-3-030-21059-5	Food Science Science and Technology Studies Agriculture	159.98
487	Pawan Kumar Rakesh; Inderdeep Singh	Processing of Green Composites	Monograph	2019	<a href="http://link.springer.com/978-981-13-6019-0">http://link.springer.com/978-981-13-6019-0</a>	978-981-13-6019-0	Ceramics, Glass, Composites, Natural Materials Green Chemistry Solid Mechanics Biomaterials	199.98
488	Eric Ott; Xingbo Liu; Joel Andersson; Zhongnan Bi; Kevin Bockenstedt; Ian Dempster; Jon Groh; Karl Heck; Paul Jablonski; Max Kaplan; Daisuke Nagahama; Chantal Sudbrack	Proceedings of the 9th International Symposium on Superalloy 718 & Derivatives: Energy, Aerospace, and Industrial Applications	Proceedings	2018	<a href="http://link.springer.com/978-3-319-89480-5">http://link.springer.com/978-3-319-89480-5</a>	978-3-319-89480-5	Metallic Materials Characterization and Evaluation of Materials Tribology, Corrosion and Coatings Data-driven Science, Modeling and Theory Building	478.00
489	Akihito Kikuchi	Computer Algebra and Materials Physics	Monograph	2018	<a href="http://link.springer.com/978-3-319-94226-1">http://link.springer.com/978-3-319-94226-1</a>	978-3-319-94226-1	Characterization and Evaluation of Materials Theoretical, Mathematical and Computational Physics Materials Engineering Theoretical and Computational Chemistry Atomic, Molecular, Optical and Plasma Physics Solid State Physics	199.98
490	Casper Rønn Hoeck	Solving a 3D Structural Puzzle	Monograph	2018	<a href="http://link.springer.com/978-3-319-96172-9">http://link.springer.com/978-3-319-96172-9</a>	978-3-319-96172-9	Spectroscopy/Spectrometry Spectroscopy and Microscopy Theoretical and Computational Chemistry Medicinal Chemistry	219.98

491	Paolo Mele; Dario Narducci; Michihiro Ohta; Kaniskha Biswas; Juan Morante; Shrikant Saini; Tamio Endo	Thermoelectric Thin Films	Monograph	2019	<a href="http://link.springer.com/978-3-030-20043-5">http://link.springer.com/978-3-030-20043-5</a>	978-3-030-20043-5	Optical and Electronic Materials Nanotechnology Electronic Circuits and Devices	169.98
492	Emilio I. Alarcon; Manuel Ahumada	Nanoengineering Materials for Biomedical Uses	Professional book	2019	<a href="http://link.springer.com/978-3-030-31261-9">http://link.springer.com/978-3-030-31261-9</a>	978-3-030-31261-9	Biomaterials Biomedical Engineering and Bioengineering Regenerative Medicine/Tissue Engineering Surgery Materials Engineering	139.98
493	Engin Burgaz	Polyurethane Insulation Foams for Energy and Sustainability	Monograph	2019	<a href="http://link.springer.com/978-3-030-19558-8">http://link.springer.com/978-3-030-19558-8</a>	978-3-030-19558-8	Nanotechnology Polymer Sciences Energy Materials	179.98
494	Azadeh Mirabedini	Developing Novel Spinning Methods to Fabricate Continuous Multifunctional Fibres for Bioapplications	Monograph	2018	<a href="http://link.springer.com/978-3-319-95378-6">http://link.springer.com/978-3-319-95378-6</a>	978-3-319-95378-6	Polymer Sciences Biomaterials Biomedical Engineering and Bioengineering Nanochemistry Characterization and Evaluation of Materials Analytical Chemistry	219.98
495	Robert Schiller	Between One Culture	General interest	2019	<a href="http://link.springer.com/978-3-030-20538-6">http://link.springer.com/978-3-030-20538-6</a>	978-3-030-20538-6	History of Chemistry Physical Chemistry History of Science History and Philosophical Foundations of Physics Philosophy of Science	65.98
496	Satish Pujari; Satuluri Srikan; Sivarao Subramonian	Recent Advances in Material Sciences	Proceedings	2019	<a href="http://link.springer.com/978-981-13-7643-6">http://link.springer.com/978-981-13-7643-6</a>	978-981-13-7643-6	Characterization and Evaluation of Materials Biomaterials Nanotechnology Energy Materials Tribology, Corrosion and Coatings	399.98
497	Konstantin P. Bryliakov	Frontiers of Green Catalytic Selective Oxidations	Monograph	2019	<a href="http://link.springer.com/978-981-32-9751-7">http://link.springer.com/978-981-32-9751-7</a>	978-981-32-9751-7	Catalysis Green Chemistry Organometallic Chemistry	169.98

498	Susanne Steudler; Anett Werner; Jay J. Cheng	Solid State Fermentation	Reviews	2019	<a href="http://link.springer.com/978-3-030-23675-5">http://link.springer.com/978-3-030-23675-5</a>	978-3-030-23675-5	Biotechnology Industrial Chemistry/Chemical Engineering Environmental Engineering/Biotechnology Microbiology	319.98
499	Taku Onishi	Theoretical Chemistry for Advanced Nanomaterials	Contributed volume	2020	<a href="http://link.springer.com/978-981-15-0006-0">http://link.springer.com/978-981-15-0006-0</a>	978-981-15-0006-0	Theoretical and Computational Chemistry Nanotechnology Nanoscale Science and Technology Physical Chemistry	199.98
500	Yuichi Kobayashi	Cutting-Edge Organic Synthesis and Chemical Biology of Bioactive Molecules	Monograph	2019	<a href="http://link.springer.com/978-981-13-6244-6">http://link.springer.com/978-981-13-6244-6</a>	978-981-13-6244-6	Organic Chemistry Medicinal Chemistry Pharmacy	159.98
501	Yury A. Zolotov	Russian Contributions to Analytical Chemistry	Monograph	2018	<a href="http://link.springer.com/978-3-319-98791-0">http://link.springer.com/978-3-319-98791-0</a>	978-3-319-98791-0	Analytical Chemistry History of Chemistry History of Science	199.98
502	Thomas James Whittles	Electronic Characterisation of Earth-Abundant Sulphides for Solar Photovoltaics	Monograph	2018	<a href="http://link.springer.com/978-3-319-91665-1">http://link.springer.com/978-3-319-91665-1</a>	978-3-319-91665-1	Energy Materials Solid State Physics Spectroscopy and Microscopy Optical and Electronic Materials	259.98
503	Jyoti Prakash Tamang	Ethnic Fermented Foods and Beverages of India: Science History and Culture	Contributed volume	2020	<a href="http://link.springer.com/978-981-15-1486-9">http://link.springer.com/978-981-15-1486-9</a>	978-981-15-1486-9	Food Science Food Microbiology Nutrition Applied Microbiology	259.98

504	Árpád Furka	The Structure Dependent Energy of Organic Compounds	Brief	2019	<a href="http://link.springer.com/978-3-030-06004-6">http://link.springer.com/978-3-030-06004-6</a>	978-3-030-06004-6	Organic Chemistry Physical Chemistry Theoretical and Computational Chemistry	109.98
505	Alejandro C. Olivieri	Introduction to Multivariate Calibration	Graduate/advanced undergraduate textbook	2018	<a href="http://link.springer.com/978-3-319-97097-4">http://link.springer.com/978-3-319-97097-4</a>	978-3-319-97097-4	Analytical Chemistry Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences	389.00
506	Mohammad Abu Jafar Mazumder; Heather Sheardown; Amir Al-Ahmed	Functional Biopolymers	Handbook	2019	<a href="http://link.springer.com/978-3-319-95990-0">http://link.springer.com/978-3-319-95990-0</a>	978-3-319-95990-0	Polymer Sciences Biomaterials Biomedical Engineering and Bioengineering Nanochemistry Characterization and Evaluation of Materials Regenerative Medicine/Tissue Engineering	799.98
507	Mohammad Abu Jafar Mazumder; Heather Sheardown; Amir Al-Ahmed	Functional Polymers	Handbook	2019	<a href="http://link.springer.com/978-3-319-95987-0">http://link.springer.com/978-3-319-95987-0</a>	978-3-319-95987-0	Polymer Sciences Optical and Electronic Materials Nanochemistry Microwaves, RF and Optical Engineering Energy Harvesting Biomaterials	1199.98
508	Muhammad Sagir; Muhammad Mushtaq; M. Suleman Tahir; Muhammad Bilal Tahir; Abdul Ravoof Shaik	Surfactants for Enhanced Oil Recovery Applications	Monograph	2020	<a href="http://link.springer.com/978-3-030-18785-9">http://link.springer.com/978-3-030-18785-9</a>	978-3-030-18785-9	Industrial Chemistry/Chemical Engineering Fossil Fuels (incl. Carbon Capture)	199.98
509	Justyna Plotka-Wasyłka; Jacek Namiesnik	Green Analytical Chemistry	Monograph	2019	<a href="http://link.springer.com/978-981-13-9105-7">http://link.springer.com/978-981-13-9105-7</a>	978-981-13-9105-7	Analytical Chemistry Green Chemistry Monitoring/Environmental Analysis Industrial Chemistry/Chemical Engineering	199.98

510	Youngjun Lee	Systematic Exploration of Indolizine-Based Small Fluorescent Molecules	Monograph	2018	<a href="http://link.springer.com/978-981-13-1645-6">http://link.springer.com/978-981-13-1645-6</a>	978-981-13-1645-6	Biochemical Engineering Bioorganic Chemistry Biological and Medical Physics, Biophysics Biomedical Engineering and Bioengineering Applied Microbiology	219.98
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514	Tae-Ho Lee	Formation of KNbO <sub>3</sub> Thin Films for Self-Powered ReRAM Devices and Artificial Synapses	Monograph	2018	<a href="http://link.springer.com/978-981-13-2535-9">http://link.springer.com/978-981-13-2535-9</a>	978-981-13-2535-9	Surfaces and Interfaces, Thin Films Surface and Interface Science, Thin Films Electronic Circuits and Devices Circuits and Systems	219.98
515	Aamir Hussain Bhat; Imran Khan; Mohammad Jawaid; Fakhreldin O. Suliman; Haider Al-Lawati; Salma Muhamed Al-Kindy	Nanomaterials for Healthcare, Energy and Environment	Monograph	2019	<a href="http://link.springer.com/978-981-13-9833-9">http://link.springer.com/978-981-13-9833-9</a>	978-981-13-9833-9	Nanotechnology Nanotechnology and Microengineering Nanoscale Science and Technology Nanochemistry	179.98
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517	Takayuki Ebata; Masaaki Fujii	Physical Chemistry of Cold Gas-Phase Functional Molecules and Clusters	Contributed volume	2019	<a href="http://link.springer.com/978-981-13-9371-6">http://link.springer.com/978-981-13-9371-6</a>	978-981-13-9371-6	Physical Chemistry Spectroscopy/Spectrometry Atomic/Molecular Structure and Spectra Nanochemistry	159.98
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519	José Antonio Pero-Sanz Elorz; Daniel Fernández González; Luis Felipe Verdeja	Physical Metallurgy of Cast Irons	Graduate/advanced undergraduate textbook	2018	<a href="http://link.springer.com/978-3-319-97313-5">http://link.springer.com/978-3-319-97313-5</a>	978-3-319-97313-5	Metallic Materials Tribology, Corrosion and Coatings Materials Engineering	389.00
520	Deri Sheppard	Robert Le Rossignol	Biography	2020	<a href="http://link.springer.com/978-3-030-29714-5">http://link.springer.com/978-3-030-29714-5</a>	978-3-030-29714-5	History of Chemistry Industrial Chemistry/Chemical Engineering	159.98
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522	László Somsák	Carbohydrate-spiro-heterocycles	Reviews	2019	<a href="http://link.springer.com/978-3-030-31942-7">http://link.springer.com/978-3-030-31942-7</a>	978-3-030-31942-7	Organic Chemistry Medicinal Chemistry Biochemistry, general Biomedical Engineering/Biotechnology Industrial Chemistry/Chemical Engineering	319.98



523	Liliang Ouyang	Study on Microextrusion-based 3D Bioprinting and Bioink Crosslinking Mechanisms	Monograph	2019	<a href="http://link.springer.com/978-981-13-9455-3">http://link.springer.com/978-981-13-9455-3</a>	978-981-13-9455-3	Biomaterials Manufacturing, Machines, Tools, Processes Polymer Sciences Biotechnology	199.98
524	Sílvio Vaz Jr.	Sustainable Agrochemistry	Professional book	2019	<a href="http://link.springer.com/978-3-030-17891-8">http://link.springer.com/978-3-030-17891-8</a>	978-3-030-17891-8	Green Chemistry Waste Management/Waste Technology Agriculture Soil Science & Conservation Monitoring/Environmental Analysis	169.98
525	Inderdeep Singh; Pramendra Kumar Bajpai; Kuldeep Panwar	Trends in Materials Engineering	Proceedings	2019	<a href="http://link.springer.com/978-981-13-9016-6">http://link.springer.com/978-981-13-9016-6</a>	978-981-13-9016-6	Characterization and Evaluation of Materials Materials Engineering Biomaterials Ceramics, Glass, Composites, Natural Materials	219.98
526	Saleena Mathew; Maya Raman; Manjusha Kalarikkathara Parameswaran; Dhanya Pulikkottil Rajan	Fish and Fishery Products Analysis	Monograph	2019	<a href="http://link.springer.com/978-981-32-9574-2">http://link.springer.com/978-981-32-9574-2</a>	978-981-32-9574-2	Food Science Nutrition Pharmacology/Toxicology Food Microbiology Biochemical Engineering	179.98
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528	Longbiao Li	Damage, Fracture, and Fatigue of Ceramic-Matrix Composites	Monograph	2018	<a href="http://link.springer.com/978-981-13-1783-5">http://link.springer.com/978-981-13-1783-5</a>	978-981-13-1783-5	Ceramics, Glass, Composites, Natural Materials Aerospace Technology and Astronautics Solid Mechanics	259.98

529	Sergei V. Medvedevskikh; Olga N. Kremleva; Irina E. Vasil'eva; Egor P. Sobina	Reference Materials in Measurement and Technology	Proceedings	2020	<a href="http://link.springer.com/978-3-030-32534-3">http://link.springer.com/978-3-030-32534-3</a>	978-3-030-32534-3	Characterization and Evaluation of Materials Spectroscopy/Spectrometry Measurement Science and Instrumentation Materials Engineering Chemistry/Food Science, general	299.98
530	Werner Pauer	Polymer Reaction Engineering of Dispersed Systems	Reviews	2018	<a href="http://link.springer.com/978-3-319-96436-2">http://link.springer.com/978-3-319-96436-2</a>	978-3-319-96436-2	Polymer Sciences Industrial Chemistry/Chemical Engineering Materials Engineering	438.00
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532	Andy H. Choi; Besim Ben-Nissan	Marine-Derived Biomaterials for Tissue Engineering Applications	Monograph	2019	<a href="http://link.springer.com/978-981-13-8855-2">http://link.springer.com/978-981-13-8855-2</a>	978-981-13-8855-2	Biomaterials Materials Engineering Regenerative Medicine/Tissue Engineering Biomedical Engineering/Biotechnology Biomedical Engineering and Bioengineering	179.98
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534	Ulrich A.K. Betz	Curious2018	Contributed volume	2019	<a href="http://link.springer.com/978-3-030-16061-6">http://link.springer.com/978-3-030-16061-6</a>	978-3-030-16061-6	Medicinal Chemistry Medical Biochemistry Nanotechnology Pharmaceutical Sciences/Technology Life Sciences, general Biomedical Engineering and Bioengineering	119.98

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536	R. Ganesh Narayanan; Shrikrishna N. Joshi; Uday Shanker Dixit	Advances in Computational Methods in Manufacturing	Proceedings	2019	<a href="http://link.springer.com/978-981-32-9072-3">http://link.springer.com/978-981-32-9072-3</a>	978-981-32-9072-3	Tribology, Corrosion and Coatings Manufacturing, Machines, Tools, Processes Computer-Aided Engineering (CAD, CAE) and Design	259.98
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542	Caili Dai; Fulin Zhao	Oilfield Chemistry	Monograph	2018	<a href="http://link.springer.com/978-981-13-2950-0">http://link.springer.com/978-981-13-2950-0</a>	978-981-13-2950-0	Industrial Chemistry/Chemical Engineering Fossil Fuels (incl. Carbon Capture) Geoengineering, Foundations, Hydraulics Geochemistry Environmental Science and Engineering	259.98
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544	Viswanathan S. Saji; Abdelkader A. Meroufel; Ahmad A. Sorour	Corrosion and Fouling Control in Desalination Industry	Professional book	2020	<a href="http://link.springer.com/978-3-030-34284-5">http://link.springer.com/978-3-030-34284-5</a>	978-3-030-34284-5	Tribology, Corrosion and Coatings Surfaces and Interfaces, Thin Films Water Industry/Water Technologies Waste Management/Waste Technology Electrochemistry Manufacturing, Machines, Tools, Processes	239.98
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549	Priyabrata Ghana	Synthesis, Characterization and Reactivity of Ylidyne and $\mu$ -Ylido Complexes Supported by Scorpionato Ligands	Monograph	2019	<a href="http://link.springer.com/978-3-030-02625-7">http://link.springer.com/978-3-030-02625-7</a>	978-3-030-02625-7	Organometallic Chemistry Inorganic Chemistry Spectroscopy/Spectrometry	239.98
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591	Yuri Hovanski; Rajiv Mishra; Yutaka Sato; Piyush Upadhyay; David Yan	Friction Stir Welding and Processing X	Proceedings	2019	<a href="http://link.springer.com/978-3-030-05752-7">http://link.springer.com/978-3-030-05752-7</a>	978-3-030-05752-7	Characterization and Evaluation of Materials Materials Engineering Metallic Materials	319.98
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594	& The Minerals, Metals Materials Society	TMS 2019 148th Annual Meeting & Exhibition Supplemental Proceedings	Proceedings	2019	<a href="http://link.springer.com/978-3-030-05861-6">http://link.springer.com/978-3-030-05861-6</a>	978-3-030-05861-6	Metallic Materials Characterization and Evaluation of Materials Materials Engineering	638.00
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689	Shu Hotta	Mathematical Physical Chemistry	Monograph	2020	<a href="http://link.springer.com/978-981-15-2225-3">http://link.springer.com/978-981-15-2225-3</a>	978-981-15-2225-3	Theoretical and Computational Chemistry Mathematical Methods in Physics Physical Chemistry Mathematical Applications in the Physical Sciences	339.98
690	Raul Fanguero; Sohel Rana	Advanced Materials for Defense	Proceedings	2020	<a href="http://link.springer.com/978-3-030-34123-7">http://link.springer.com/978-3-030-34123-7</a>	978-3-030-34123-7	Characterization and Evaluation of Materials Solid Mechanics Nanotechnology Biomaterials Materials Engineering	219.98
691	Zhigang Fang; Jingyi Cao; Yong Guan	Corrosion Control Technologies for Aluminum Alloy Vessel	Monograph	2020	<a href="http://link.springer.com/978-981-15-1932-1">http://link.springer.com/978-981-15-1932-1</a>	978-981-15-1932-1	Tribology, Corrosion and Coatings Electrochemistry Surfaces and Interfaces, Thin Films Characterization and Evaluation of Materials	259.98
692	Gisele Azimi; Kerstin Forsberg; Takanari Ouchi; Hojong Kim; Shafiq Alam; Alafara Abdullahi Baba	Rare Metal Technology 2020	Proceedings	2020	<a href="http://link.springer.com/978-3-030-36758-9">http://link.springer.com/978-3-030-36758-9</a>	978-3-030-36758-9	Metallic Materials Characterization and Evaluation of Materials Organometallic Chemistry Materials Engineering	299.98
693	Xiaobo Chen; Yulin Zhong; Lei Zhang; John A. Howarter; Alafara Abdullahi Baba; Cong Wang; Ziqi Sun; Mingming Zhang; Elsa Olivetti; Alan Luo; Adam Powell	Energy Technology 2020: Recycling, Carbon Dioxide Management, and Other Technologies	Proceedings	2020	<a href="http://link.springer.com/978-3-030-36830-2">http://link.springer.com/978-3-030-36830-2</a>	978-3-030-36830-2	Energy Materials Fossil Fuels (incl. Carbon Capture) Energy Systems Renewable and Green Energy Characterization and Evaluation of Materials Materials Engineering	399.98

694	Maria Anna Coniglio; Cristian Fioriglio; Pasqualina Laganà	Non-Intentionally Added Substances in PET-Bottled Mineral Water	Brief	2020	<a href="http://link.springer.com/978-3-030-39134-8">http://link.springer.com/978-3-030-39134-8</a>	978-3-030-39134-8	Food Science Polymer Sciences Quality Control, Reliability, Safety and Risk Pharmacology/Toxicology Water and Health European Law	99.98
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703	A. Siegmund; S. Alam; J. Grogan; U. Kerney; E. Shibata	PbZn 2020: 9th International Symposium on Lead and Zinc Processing	Proceedings	2020	<a href="http://link.springer.com/978-3-030-37070-1">http://link.springer.com/978-3-030-37070-1</a>	978-3-030-37070-1	Metallic Materials Characterization and Evaluation of Materials Materials Engineering Organometallic Chemistry	418.00
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