

Mohammadreza Shokouhimehr

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255
ext. papers

10,095
ext. citations

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avg, IF

7.09
L-index

#	Paper	IF	Citations
246	A magnetically recyclable nanocomposite catalyst for olefin epoxidation. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7039-43	16.4	286
245	Polymer-supported N-heterocyclic carbene-palladium complex for heterogeneous Suzuki cross-coupling reaction. <i>Journal of Organic Chemistry</i> , 2005 , 70, 6714-20	4.2	214
244	Dual purpose Prussian blue nanoparticles for cellular imaging and drug delivery: a new generation of T1-weighted MRI contrast and small molecule delivery agents. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5251		177
243	Carbon and graphene quantum dots: a review on syntheses, characterization, biological and sensing applications for neurotransmitter determination.. <i>RSC Advances</i> , 2020 , 10, 15406-15429	3.7	177
242	Facile aqueous-phase synthesis of uniform palladium nanoparticles of various shapes and sizes. <i>Small</i> , 2007 , 3, 255-60	11	148
241	Magnetically Separable and Sustainable Nanostructured Catalysts for Heterogeneous Reduction of Nitroaromatics. <i>Catalysts</i> , 2015 , 5, 534-560	4	141
240	Effects of carbon additives on the properties of ZrB ₂ -based composites: A review. <i>Ceramics International</i> , 2018 , 44, 7334-7348	5.1	140
239	Magnetically retrievable nanocomposite adorned with Pd nanocatalysts: efficient reduction of nitroaromatics in aqueous media. <i>Green Chemistry</i> , 2018 , 20, 3809-3817	10	119
238	Recent Advances in the Nanocatalysts-assisted NaBH ₄ Reduction of Nitroaromatics in water. <i>ACS Omega</i> , 2019 , 4, 483-495	3.9	119
237	Palladium Nanoparticles on Assorted Nanostructured Supports: Applications for Suzuki, Heck, and Sonogashira Cross-Coupling Reactions. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2070-2103	5.6	109
236	Biocompatible Prussian blue nanoparticles: Preparation, stability, cytotoxicity, and potential use as an MRI contrast agent. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 58-61	3.1	103
235	Magnetic chitosan-copper nanocomposite: A plant assembled catalyst for the synthesis of amino- and N-sulfonyl tetrazoles in eco-friendly media. <i>Carbohydrate Polymers</i> , 2020 , 232, 115819	10.3	102
234	Microstructure and thermomechanical characteristics of spark plasma sintered TiC ceramics doped with nano-sized WC. <i>Ceramics International</i> , 2019 , 45, 2153-2160	5.1	93
233	Magnetically recyclable hollow nanocomposite catalysts for heterogeneous reduction of nitroarenes and Suzuki reactions. <i>Chemical Communications</i> , 2013 , 49, 4779-81	5.8	92
232	TEM characterization of spark plasma sintered ZrB ₂ /SiC/graphene nanocomposite. <i>Ceramics International</i> , 2018 , 44, 15269-15273	5.1	91
231	Spark plasma sintering of TiN ceramics codoped with SiC and CNT. <i>Ceramics International</i> , 2019 , 45, 32075-32168	5.3	89
230	Formation and stabilization of colloidal ultra-small palladium nanoparticles on diamine-modified Cr-MIL-101: Synergic boost to hydrogen production from formic acid. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 126-135	9.3	88

229	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie</i> , 2007 , 119, 7169-7173	3.6	81
228	Spark plasma sintering of Al-doped ZrB ₂ SiC composite. <i>Ceramics International</i> , 2019 , 45, 4262-4267	5.1	81
227	Temperature dependence of microstructure evolution during hot pressing of ZrB ₂ SiC vol.% SiC composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 54, 7-13	4.1	80
226	A numerical approach to the heat transfer in monolithic and SiC reinforced HfB ₂ , ZrB ₂ and TiB ₂ ceramic cutting tools. <i>Ceramics International</i> , 2019 , 45, 15892-15897	5.1	77
225	Recent developments in palladium (nano)catalysts supported on polymers for selective and sustainable oxidation processes. <i>Coordination Chemistry Reviews</i> , 2019 , 397, 54-75	23.2	77
224	A novel ZrB ₂ SiC composite fabricated by reactive spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 731, 131-139	5.3	76
223	Influence of vanadium content on the characteristics of spark plasma sintered ZrB ₂ SiC composites. <i>Journal of Alloys and Compounds</i> , 2019 , 805, 725-732	5.7	72
222	Recent Advances in Applications of Voltammetric Sensors Modified with Ferrocene and Its Derivatives. <i>ACS Omega</i> , 2020 , 5, 2049-2059	3.9	70
221	Synthesis of bimetallic 4-PySI-Pd@Cu(BDC) via open metal site Cu-MOF: Effect of metal and support of Pd@Cu-MOFs in H ₂ generation from formic acid. <i>Molecular Catalysis</i> , 2019 , 467, 30-37	3.3	69
220	Numerical analyses of heat transfer and thermal stress in a ZrB ₂ gas turbine stator blade. <i>Ceramics International</i> , 2019 , 45, 17742-17750	5.1	69
219	Nanoindentation and nanostructural characterization of ZrB ₂ SiC composite doped with graphite nano-flakes. <i>Composites Part B: Engineering</i> , 2019 , 175, 107153	10	68
218	Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. <i>Applied Catalysis A: General</i> , 2014 , 476, 133-139	5.1	67
217	Synergetic effects of SiC and CsF in ZrB ₂ -based ceramic composites. Part I: Densification behavior. <i>Ceramics International</i> , 2016 , 42, 4498-4506	5.1	66
216	Heat transfer, thermal stress and failure analyses in a TiB ₂ gas turbine stator blade. <i>Ceramics International</i> , 2019 , 45, 19331-19339	5.1	64
215	Magnetically recyclable core-shell nanocatalysts for efficient heterogeneous oxidation of alcohols. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7593-7599	13	64
214	Novel Architecture Titanium Carbide (TiCT) MXene Cocatalysts toward Photocatalytic Hydrogen Production: A Mini-Review. <i>Nanomaterials</i> , 2020 , 10,	5.4	63
213	The effect of thermal contact resistance on the temperature distribution in a WC made cutting tool. <i>Ceramics International</i> , 2019 , 45, 22196-22202	5.1	62
212	Recent developments in conducting polymers: applications for electrochemistry.. <i>RSC Advances</i> , 2020 , 10, 37834-37856	3.7	61

211	Point-of-Use Rapid Detection of SARS-CoV-2: Nanotechnology-Enabled Solutions for the COVID-19 Pandemic. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	61
210	Investigation of hot pressed ZrB ₂ /Bi ₂ C/Carbon black nanocomposite by scanning and transmission electron microscopy. <i>Ceramics International</i> , 2019 , 45, 16759-16764	5.1	59
209	Copper oxide-graphene oxide nanocomposite: efficient catalyst for hydrogenation of nitroaromatics in water. <i>Nano Convergence</i> , 2019 , 6, 6	9.2	59
208	Effects of graphite nano-flakes on thermal and microstructural properties of TiB ₂ /Bi ₂ C composites. <i>Ceramics International</i> , 2020 , 46, 11622-11630	5.1	58
207	MXenes: Applications in electrocatalytic, photocatalytic hydrogen evolution reaction and CO ₂ reduction. <i>Molecular Catalysis</i> , 2020 , 486, 110850	3.3	57
206	Recent Electrochemical Applications of Metal-Organic Framework-Based Materials. <i>Crystal Growth and Design</i> , 2020 , 20, 7034-7064	3.5	57
205	Development of graphitic domains in carbon foams for high efficient electro/photo-to-thermal energy conversion phase change composites. <i>Chemical Engineering Journal</i> , 2019 , 362, 469-481	14.7	57
204	Facile synthesis of monodispersed Pd nanocatalysts decorated on graphene oxide for reduction of nitroaromatics in aqueous solution. <i>Research on Chemical Intermediates</i> , 2019 , 45, 599-611	2.8	57
203	A numerical approach to the heat transfer and thermal stress in a gas turbine stator blade made of HfB ₂ . <i>Ceramics International</i> , 2019 , 45, 24060-24069	5.1	56
202	Towards artificial photosynthesis: Sustainable hydrogen utilization for photocatalytic reduction of CO ₂ to high-value renewable fuels. <i>Chemical Engineering Journal</i> , 2020 , 402, 126184	14.7	55
201	Palladium Nanocatalysts on Hydroxyapatite: Green Oxidation of Alcohols and Reduction of Nitroarenes in Water. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4183	2.6	55
200	Recent Developments in Polymer Nanocomposite-Based Electrochemical Sensors for Detecting Environmental Pollutants.. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 1112-1136	3.9	55
199	Palladium Nanocatalysts Confined in Mesoporous Silica for Heterogeneous Reduction of Nitroaromatics. <i>Energy and Environment Focus</i> , 2015 , 4, 18-23		53
198	Pd nanocatalyst stabilized on amine-modified zeolite: Antibacterial and catalytic activities for environmental pollution remediation in aqueous medium. <i>Separation and Purification Technology</i> , 2020 , 239, 116542	8.3	51
197	Layer-Wise Titania Growth Within Dimeric Organic Functional Group Viologen Periodic Mesoporous Organosilica as Efficient Photocatalyst for Oxidative Formic Acid Decomposition. <i>ChemCatChem</i> , 2019 , 11, 4803-4809	5.2	50
196	One-pot synthesis of magnetically recyclable mesoporous silica supported acid-base catalysts for tandem reactions. <i>Chemical Communications</i> , 2013 , 49, 7821-3	5.8	49
195	Numerical modeling of heat transfer during spark plasma sintering of titanium carbide. <i>Ceramics International</i> , 2020 , 46, 7615-7624	5.1	48
194	Performance of metal-organic frameworks in the electrochemical sensing of environmental pollutants. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8195-8220	13	48

193	SnS Nanograins on Porous SiO Nanorods Template for Highly Sensitive NO Sensor at Room Temperature with Excellent Recovery. <i>ACS Sensors</i> , 2019 , 4, 678-686	9.2	47
192	Electron microscopy investigation of spark plasma sintered ZrO ₂ added ZrB ₂ /SiC composite. <i>Ceramics International</i> , 2020 , 46, 19646-19649	5.1	47
191	Heterogeneous Suzuki Cross-Coupling Reaction Catalyzed by Magnetically Recyclable Nanocatalyst. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 1477-1480	1.2	47
190	Palladium nanoparticles stabilized on a novel Schiff base modified Unye bentonite: Highly stable, reusable and efficient nanocatalyst for treating wastewater contaminants and inactivating pathogenic microbes. <i>Separation and Purification Technology</i> , 2020 , 237, 116383	8.3	47
189	Extended Metal-Organic Frameworks on Diverse Supports as Electrode Nanomaterials for Electrochemical Energy Storage. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3964-3990	5.6	46
188	Organofacies study of the Bakken source rock in North Dakota, USA, based on organic petrology and geochemistry. <i>International Journal of Coal Geology</i> , 2018 , 188, 79-93	5.5	45
187	Covalent Organic Frameworks: Emerging Organic Solid Materials for Energy and Electrochemical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27821-27852	9.5	44
186	Influence of SiAlON addition on the microstructure development of hot-pressed ZrB ₂ /SiC composites. <i>Ceramics International</i> , 2020 , 46, 19209-19216	5.1	44
185	Role of nano-diamond addition on the characteristics of spark plasma sintered TiC ceramics. <i>Diamond and Related Materials</i> , 2020 , 106, 107828	3.5	43
184	+Iron hexacyanocobaltate metal-organic framework: Highly reversible and stationary electrode material with rich borders for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 911-917	5.7	41
183	Electrocatalytic Water Splitting and CO ₂ Reduction: Sustainable Solutions via Single-Atom Catalysts Supported on 2D Materials. <i>Small Methods</i> , 2019 , 3, 1800492	12.8	41
182	Palladium Comprising Dicationic Bipyridinium Supported Periodic Mesoporous Organosilica (PMO): Pd@Bipy/PMO as an Efficient Hybrid Catalyst for Suzuki-Miyaura Cross-Coupling Reaction in Water. <i>Catalysts</i> , 2019 , 9, 140	4	40
181	Densification behavior and microstructure development in TiB ₂ ceramics doped with h-BN. <i>Ceramics International</i> , 2020 , 46, 18970-18975	5.1	40
180	Nanomaterials modified electrodes for electrochemical detection of Sudan I in food. <i>Journal of Food Measurement and Characterization</i> , 2021 , 15, 3837-3852	2.8	40
179	Characterization of spark plasma sintered TiC ceramics reinforced with graphene nano-platelets. <i>Ceramics International</i> , 2020 , 46, 18742-18749	5.1	39
178	Modulated large-pore mesoporous silica as an efficient base catalyst for the Henry reaction. <i>Research on Chemical Intermediates</i> , 2018 , 44, 1617-1626	2.8	39
177	Mainstream avenues for boosting graphitic carbon nitride efficiency: towards enhanced solar light-driven photocatalytic hydrogen production and environmental remediation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10571-10603	13	38
176	Photocatalytic NO _x abatement: Recent advances and emerging trends in the development of photocatalysts. <i>Journal of Cleaner Production</i> , 2020 , 270, 121912	10.3	36

175	Microstructural and mechanical characterization of spark plasma sintered TiC ceramics with TiN additive. <i>Ceramics International</i> , 2020 , 46, 18924-18932	5.1	35
174	Perovskite oxide-based photocatalysts for solar-driven hydrogen production: Progress and perspectives. <i>Solar Energy</i> , 2020 , 211, 584-599	6.8	35
173	A screen printed electrode modified with FeO@polypyrrole-Pt core-shell nanoparticles for electrochemical detection of 6-mercaptopurine and 6-thioguanine. <i>Talanta</i> , 2021 , 232, 122379	6.2	35
172	Gadolinium Triflate Immobilized on Magnetic Nanocomposites as Recyclable Lewis Acid Catalyst for Acetylation of Phenols. <i>Nanoscience and Nanotechnology Letters</i> , 2014 , 6, 309-313	0.8	34
171	Boosting Aerobic Oxidation of Alcohols via Synergistic Effect between TEMPO and a Composite FeO/Cu-BDC/GO Nanocatalyst. <i>ACS Omega</i> , 2020 , 5, 5182-5191	3.9	33
170	Developments and applications of nanomaterial-based carbon paste electrodes.. <i>RSC Advances</i> , 2020 , 10, 21561-21581	3.7	32
169	Enhanced fracture toughness of ZrB ₂ /SiCw ceramics with graphene nano-platelets. <i>Ceramics International</i> , 2020 , 46, 24906-24915	5.1	32
168	Recent advances in N-formylation of amines and nitroarenes using efficient (nano)catalysts in eco-friendly media. <i>Green Chemistry</i> , 2019 , 21, 5144-5167	10	32
167	Facile synthesis of graphitic carbon nitride/chitosan/Au nanocomposite: A catalyst for electrochemical hydrogen evolution. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 3012-3024	7.9	32
166	High performance of screen-printed graphite electrode modified with NiMo-MOF for voltammetric determination of amaranth. <i>Journal of Food Measurement and Characterization</i> , 2021 , 15, 4617-4622	2.8	32
165	Characteristics of quadruplet TiMoTiB ₂ TiC composites prepared by spark plasma sintering. <i>Ceramics International</i> , 2020 , 46, 20885-20895	5.1	31
164	Polymer-Coated NH-UiO-66 for the Codelivery of DOX/pCRISPR. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10796-10811	9.5	31
163	Synthesis of 1-Substituted 1-1,2,3,4-Tetrazoles Using Biosynthesized Ag/Sodium Borosilicate Nanocomposite. <i>ACS Omega</i> , 2019 , 4, 8985-9000	3.9	30
162	Beneficial role of carbon black on the properties of TiC ceramics. <i>Ceramics International</i> , 2020 , 46, 23544-23553	5.3	30
161	Two-dimensional boron nitride as a sulfur fixer for high performance rechargeable aluminum-sulfur batteries. <i>Scientific Reports</i> , 2019 , 9, 13573	4.9	29
160	Metal Hexacyanoferrate Nanoparticles as Electrode Materials for Lithium Ion Batteries. <i>Nanoscience and Nanotechnology Letters</i> , 2013 , 5, 770-774	0.8	29
159	Recent Advances in Electrochemical Sensors and Biosensors for Detecting Bisphenol A. <i>Sensors</i> , 2020 , 20,	3.8	28
158	Recent Advances in Rechargeable Aluminum-Ion Batteries and Considerations for Their Future Progress. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6019-6035	6.1	27

157	Physical, mechanical and microstructural characterization of TiC/ZrN ceramics. <i>Ceramics International</i> , 2020 , 46, 22154-22163	5.1	27
156	Visible-light-driven photocatalytic activity of ZnO/g-C ₃ N ₄ heterojunction for the green synthesis of biologically interest small molecules of thiazolidinones. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 402, 112786	4.7	27
155	Heat transfer and pressure drop in a ZrB ₂ microchannel heat sink: A numerical approach. <i>Ceramics International</i> , 2020 , 46, 1730-1735	5.1	26
154	Enhanced densification of spark plasma sintered TiB ₂ ceramics with low content AlN additive. <i>Ceramics International</i> , 2020 , 46, 22127-22133	5.1	25
153	Nanomaterials for modulating innate immune cells in cancer immunotherapy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019 , 14, 16-29	9	25
152	The Pschorr Reaction, a Fresh Look at a Classical Transformation. <i>Current Organic Synthesis</i> , 2009 , 6, 193-202		25
151	Natural Polymers Decorated MOF-MXene Nanocarriers for Co-delivery of Doxorubicin/pCRISPR.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5106-5121	4.1	25
150	In situ preparation of g-CN nanosheet/FeOCl: Achievement and promoted photocatalytic nitrogen fixation activity. <i>Journal of Colloid and Interface Science</i> , 2021 , 587, 538-549	9.3	25
149	Combustion synthesized YVO ₄ :Eu ³⁺ phosphors: Effect of fuels on nanostructure and luminescence properties. <i>Ceramics International</i> , 2017 , 43, 11469-11473	5.1	24
148	A Hybrid Energy Storage Mechanism of Zinc Hexacyanocobaltate-Based Metal-Organic Framework Endowing Stationary and High-Performance Lithium-Ion Storage. <i>Electronic Materials Letters</i> , 2019 , 15, 444-453	2.9	24
147	Novel p-n Heterojunction Nanocomposite: TiO ₂ QDs/ZnBi ₂ O ₄ Photocatalyst with Considerably Enhanced Photocatalytic Activity under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27519-27528	3.8	24
146	Effects of SiC content on thermal shock behavior and elastic modulus of cordierite/hullite composites. <i>Ceramics International</i> , 2020 , 46, 23780-23784	5.1	24
145	Graphene derivatives supported nanocatalysts for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1799-1810	11.3	24
144	Light-directed synthesis of peptide nucleic acids (PNAs) chips. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2891-7	11.8	24
143	Numerical simulation of heat transfer during spark plasma sintering of zirconium diboride. <i>Ceramics International</i> , 2020 , 46, 4998-5007	5.1	24
142	Role of co-addition of BN and SiC on microstructure of TiB ₂ -based composites densified by SPS method. <i>Ceramics International</i> , 2020 , 46, 25341-25350	5.1	24
141	Coordinating gallium hexacyanocobaltate: Prussian blue-based nanomaterial for Li-ion storage.. <i>RSC Advances</i> , 2019 , 9, 26668-26675	3.7	23
140	Correlating Rock-Eval T _{max} with bitumen reflectance from organic petrology in the Bakken Formation. <i>International Journal of Coal Geology</i> , 2019 , 205, 87-104	5.5	23

- 139 Realization of Lithium-Ion Capacitors with Enhanced Energy Density via the Use of Gadolinium Hexacyanocobaltate as a Cathode Material. *ACS Applied Materials & Interfaces*, **2019**, 11, 31799-31805 23
- 138 Layered metal-organic framework based on tetracyanonickelate as a cathode material for Li-ion storage.. *RSC Advances*, **2019**, 9, 21363-21370 3.7 23
- 137 The emerging covalent organic frameworks (COFs) for solar-driven fuels production. *Coordination Chemistry Reviews*, **2021**, 446, 214117 23.2 23
- 136 Improved photocatalytic activity of ZnO-TiO₂ nanocomposite catalysts by modulating TiO₂ thickness. *Materials Research Express*, **2019**, 6, 115060 1.7 22
- 135 Pd- and Au-Decorated MoS₂ Gas Sensors for Enhanced Selectivity. *Electronic Materials Letters*, **2019**, 15, 368-376 2.9 22
- 134 Electron microscopy characterization of porous ZrB₂BiCAlN composites prepared by pressureless sintering. *Ceramics International*, **2020**, 46, 25415-25423 5.1 22
- 133 Metal-organic framework-derived metal oxide nanoparticles@reduced graphene oxide composites as cathode materials for rechargeable aluminium-ion batteries. *Scientific Reports*, **2019**, 9, 13739 4.9 21
- 132 Properties of CoS₂/CNT as a Cathode Material of Rechargeable Aluminum-Ion Batteries. *Electronic Materials Letters*, **2019**, 15, 727-732 2.9 21
- 131 One pot synthesis of mesoporous boron nitride using polystyrene-b-poly(ethylene oxide) block copolymer. *RSC Advances*, **2015**, 5, 6528-6535 3.7 21
- 130 A novel TiC-based composite co-strengthened with AlN particulates and graphene nano-platelets. *International Journal of Refractory Metals and Hard Materials*, **2020**, 92, 105331 4.1 21
- 129 Turning Toxic Nanomaterials into a Safe and Bioactive Nanocarrier for Co-delivery of DOX/pCRISPR.. *ACS Applied Bio Materials*, **2021**, 4, 5336-5351 4.1 21
- 128 Pd modified prussian blue frameworks: Multiple electron transfer pathways for improving catalytic activity toward hydrogenation of nitroaromatics. *Molecular Catalysis*, **2020**, 492, 110967 3.3 20
- 127 Recent developments in electrochemical sensors for detecting hydrazine with different modified electrodes.. *RSC Advances*, **2020**, 10, 30481-30498 3.7 20
- 126 Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 8706-8720 8.3 20
- 125 Three-dimensionally interconnected porous boron nitride foam derived from polymeric foams. *RSC Advances*, **2016**, 6, 51426-51434 3.7 20
- 124 Nanomaterials for bone tissue regeneration: updates and future perspectives. *Nanomedicine*, **2019**, 14, 2987-3006 5.6 20
- 123 Synergistic advanced oxidation process for the fast degradation of ciprofloxacin antibiotics using a GO/CuMOF-magnetic ternary nanocomposite. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105486 6.8 20
- 122 Two-dimensional assemblies of ultrathin titanate nanosheets for lithium ion battery anodes. *RSC Advances*, **2014**, 4, 12087 3.7 19

121	Simple Synthesis of Two-Dimensional Micro/Mesoporous Boron Nitride. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2478-2485	2.3	19
120	Role of hot-pressing temperature on densification and microstructure of ZrB ₂ SiC ultrahigh temperature ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020 , 93, 105355	4.1	19
119	Cerium Hexacyanocobaltate: A Lanthanide-Compliant Prussian Blue Analogue for Li-Ion Storage. <i>ACS Omega</i> , 2019 , 4, 21410-21416	3.9	19
118	Metal-free nanostructured catalysts: sustainable driving forces for organic transformations. <i>Green Chemistry</i> , 2021 , 23, 6223-6272	10	19
117	Influence of Ni/Co binders and Mo ₂ C on the microstructure evolution and mechanical properties of (Ti _{0.93} W _{0.07})C _B based cermet. <i>Ceramics International</i> , 2018 , 44, 17655-17659	5.1	19
116	Synthesis of mesoporous tungsten oxide by template-assisted sol-gel method and its photocatalytic degradation activity. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 82, 148-156	2.3	18
115	S@GO as a High-Performance Cathode Material for Rechargeable Aluminum-Ion Batteries. <i>Electronic Materials Letters</i> , 2019 , 15, 720-726	2.9	18
114	Graphite carbon-encapsulated metal nanoparticles derived from Prussian blue analogs growing on natural loofa as cathode materials for rechargeable aluminum-ion batteries. <i>Scientific Reports</i> , 2019 , 9, 13665	4.9	18
113	Enhanced visible photocatalytic degradation of diclofenac over N-doped TiO ₂ assisted with H ₂ O ₂ : A kinetic and pathway study. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 8361-8371	5.9	18
112	Facile synthesis of nanostructured carbon nanotube/iron oxide hybrids for lithium-ion battery anodes. <i>RSC Advances</i> , 2014 , 4, 37365-37370	3.7	18
111	Preparation of mesoporous TiO ₂ -SiO ₂ by ultrasonic impregnation method and effect of its calcination temperature on photocatalytic activity	92, 145	18
110	Nanoindentational and conventional mechanical properties of spark plasma sintered TiMo alloys. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10647-10658	5.5	18
109	Microstructural, mechanical and friction properties of nano-graphite and h-BN added TiC-based composites. <i>Ceramics International</i> , 2020 , 46, 28969-28979	5.1	18
108	Insight into the Self-Insertion of a Protein Inside the Boron Nitride Nanotube. <i>ACS Omega</i> , 2020 , 5, 32051-32058	3.3	18
107	Boron nitride-palladium nanostructured catalyst: efficient reduction of nitrobenzene derivatives in water. <i>Nano Express</i> , 2020 , 1, 030012	2	17
106	Recent Advances in the Aptamer-Based Electrochemical Biosensors for Detecting Aflatoxin B1 and Its Pertinent Metabolite Aflatoxin M1. <i>Sensors</i> , 2020 , 20,	3.8	16
105	Improved optical properties of YVO ₄ :Eu ³⁺ nanolayers on silica spheres. <i>Materials Chemistry and Physics</i> , 2018 , 203, 274-279	4.4	16
104	Characteristics of dynamically formed oxide films in aluminum-calcium foamable alloys. <i>Journal of Alloys and Compounds</i> , 2016 , 655, 433-441	5.7	16

103	The Combustion Synthesis of Ag-Doped MnCo ₂ O ₄ Nanoparticles for Supercapacitor Applications. <i>Jom</i> , 2019 , 71, 1499-1506	2.1	16
102	Understanding organic matter heterogeneity and maturation rate by Raman spectroscopy. <i>International Journal of Coal Geology</i> , 2019 , 206, 46-64	5.5	15
101	Novel production of natural bacteriocin via internalization of dextran nanoparticles into probiotics. <i>Biomaterials</i> , 2019 , 218, 119360	15.6	15
100	Curbed of molybdenum oxido-diperoxido complex on ionic liquid body of mesoporous Bipy-PMO-IL as a promising catalyst for selective sulfide oxidation. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113388	6	15
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