

Wei Xiao

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

197
papers

10,319
citations

50
h-index

96
g-index

209
ext. papers

11,858
ext. citations

8.3
avg, IF

6.8
L-index

#	Paper	IF	Citations
197	Enhanced photocatalytic performance of direct Z-scheme g-C ₃ N ₄ -TiO ₂ photocatalysts for the decomposition of formaldehyde in air. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 16883-90	3.6	947
196	Use of surfactants for the remediation of contaminated soils: a review. <i>Journal of Hazardous Materials</i> , 2015 , 285, 419-35	12.8	466
195	Shape-Controlled Synthesis of MnO ₂ Nanostructures with Enhanced Electrocatalytic Activity for Oxygen Reduction. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1694-1700	3.8	403
194	Photocatalytic reduction of CO ₂ into hydrocarbon solar fuels over g-C ₃ N ₄ -Pt nanocomposite photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11492-501	3.6	376
193	Amorphous CoSnO ₃ @C nanoboxes with superior lithium storage capability. <i>Energy and Environmental Science</i> , 2013 , 6, 87-91	35.4	300
192	Morphology-dependent photocatalytic H ₂ -production activity of CdS. <i>Applied Catalysis B: Environmental</i> , 2014 , 156-157, 184-191	21.8	295
191	Microwave-assisted hydrothermal synthesis of graphene based Au/TiO ₂ photocatalysts for efficient visible-light hydrogen production. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3847-3855	13	285
190	Formation of Yolk-Shelled Ni ₂ O ₃ Mixed Oxide Nanoprisms with Enhanced Electrochemical Performance for Hybrid Supercapacitors and Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1500981	21.8	258
189	Synthesis, Characterization, and Lithium Storage Capability of AMoO ₄ (A = Ni, Co) Nanorods. <i>Chemistry of Materials</i> , 2010 , 22, 746-754	9.6	199
188	Capture and electrochemical conversion of CO ₂ to value-added carbon and oxygen by molten salt electrolysis. <i>Energy and Environmental Science</i> , 2013 , 6, 1538	35.4	193
187	Direct Z-scheme anatase/rutile bi-phase nanocomposite TiO ₂ nanofiber photocatalyst with enhanced photocatalytic H ₂ -production activity. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15394-15402	6.7	191
186	Growth of single-crystal MnO ₂ nanotubes prepared by a hydrothermal route and their electrochemical properties. <i>Journal of Power Sources</i> , 2009 , 193, 935-938	8.9	188
185	Hierarchically porous MnO ₂ microspheres with enhanced adsorption performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11682	13	163
184	LncRNA MALAT1 functions as a competing endogenous RNA to regulate ZEB2 expression by sponging miR-200s in clear cell kidney carcinoma. <i>Oncotarget</i> , 2015 , 6, 38005-15	3.3	158
183	The electrochemical reduction processes of solid compounds in high temperature molten salts. <i>Chemical Society Reviews</i> , 2014 , 43, 3215-28	58.5	151
182	Pseudogene PTENP1 functions as a competing endogenous RNA to suppress clear-cell renal cell carcinoma progression. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 3086-97	6.1	150
181	Enhanced photocatalytic hydrogen-production performance of graphene-Zn(x)Cd(1-x)S composites by using an organic S source. <i>Chemistry - A European Journal</i> , 2014 , 20, 1176-85	4.8	140

180	Electrolytic Formation of Crystalline Silicon/Germanium Alloy Nanotubes and Hollow Particles with Enhanced Lithium-Storage Properties. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7427-31	16.4	131
179	NaOH-modified ceramic honeycomb with enhanced formaldehyde adsorption and removal performance. <i>Environmental Science & Technology</i> , 2013 , 47, 9928-33	10.3	129
178	Electrochemically driven three-phase interlines into insulator compounds: electroreduction of solid SiO ₂ in molten CaCl ₂ . <i>ChemPhysChem</i> , 2006 , 7, 1750-8	3.2	129
177	Electrochemistry at conductor/insulator/electrolyte three-phase interlines: A thin layer model. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 14043-51	3.4	124
176	Harvesting capacitive carbon by carbonization of waste biomass in molten salts. <i>Environmental Science & Technology</i> , 2014 , 48, 8101-8	10.3	116
175	Teicoplanin-loaded borate bioactive glass implants for treating chronic bone infection in a rabbit tibia osteomyelitis model. <i>Biomaterials</i> , 2010 , 31, 5865-74	15.6	115
174	Oriented growth of layered-MnO ₂ nanosheets over MnO ₂ nanotubes for enhanced room-temperature HCHO oxidation. <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 233-243	21.8	107
173	Heterogeneous Electrocatalyst with Molecular Cobalt Ions Serving as the Center of Active Sites. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1878-1884	16.4	101
172	Enhanced photoelectrocatalytic performance of SnO ₂ /TiO ₂ rutile composite films. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10727	13	96
171	g-C ₃ N ₄ Modified biochar as an adsorptive and photocatalytic material for decontamination of aqueous organic pollutants. <i>Applied Surface Science</i> , 2015 , 358, 231-239	6.7	94
170	Hierarchical MoS ₂ /GO nanosheets with high MoS ₂ loading with enhanced electro-catalytic performance. <i>Applied Surface Science</i> , 2015 , 358, 152-158	6.7	87
169	MicroRNA-10b promotes migration and invasion through KLF4 and HOXD10 in human bladder cancer. <i>Oncology Reports</i> , 2014 , 31, 1832-8	3.5	81
168	Porous Spheres Assembled from Polythiophene (PTh)-Coated Ultrathin MnO ₂ Nanosheets with Enhanced Lithium Storage Capabilities. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 12048-12051	3.8	81
167	Microemulsion-assisted preparation of a mesoporous ferrihydrite/SiO ₂ composite for the efficient removal of formaldehyde from air. <i>Chemistry - A European Journal</i> , 2013 , 19, 9592-8	4.8	78
166	Verification and implications of the dissolution-electrodeposition process during the electro-reduction of solid silica in molten CaCl ₂ . <i>RSC Advances</i> , 2012 , 2, 7588	3.7	78
165	Interleukin-33 ameliorates ischemic brain injury in experimental stroke through promoting Th2 response and suppressing Th17 response. <i>Brain Research</i> , 2015 , 1597, 86-94	3.7	76
164	Na ₂ SO ₄ -assisted synthesis of hexagonal-phase WO ₃ nanosheet assemblies with applicable electrochromic and adsorption properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1261-1269	13	73
163	MicroRNA-34a functions as an anti-metastatic microRNA and suppresses angiogenesis in bladder cancer by directly targeting CD44. <i>Journal of Experimental and Clinical Cancer Research</i> , 2014 , 33, 779	12.8	73

162	Hollow hydroxyapatite microspheres: a novel bioactive and osteoconductive carrier for controlled release of bone morphogenetic protein-2 in bone regeneration. <i>Acta Biomaterialia</i> , 2013 , 9, 8374-83	10.8	72
161	Rationalisation and optimisation of solid state electro-reduction of SiO ₂ to Si in molten CaCl ₂ in accordance with dynamic three-phase interlines based voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 639, 130-140	4.1	72
160	Three-phase interlines electrochemically driven into insulator compounds: a penetration model and its verification by electroreduction of solid AgCl. <i>Chemistry - A European Journal</i> , 2007 , 13, 604-12	4.8	70
159	Molten salt-mediated formation of g-C ₃ N ₄ -MoS ₂ for visible-light-driven photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2018 , 430, 218-224	6.7	69
158	Thin Pellets: Fast Electrochemical Preparation of Capacitor Tantalum Powders. <i>Chemistry of Materials</i> , 2007 , 19, 153-160	9.6	68
157	Effects of applied voltage and temperature on the electrochemical production of carbon powders from CO ₂ in molten salt with an inert anode. <i>Electrochimica Acta</i> , 2013 , 114, 567-573	6.7	67
156	Up-scalable and controllable electrolytic production of photo-responsive nanostructured silicon. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10243	13	60
155	Facile Synthesis of Novel Nanostructured MnO(2) Thin Films and Their Application in Supercapacitors. <i>Nanoscale Research Letters</i> , 2009 , 4, 1035-1040	5	60
154	Capture and electro-splitting of CO ₂ in molten salts. <i>Journal of Energy Chemistry</i> , 2019 , 28, 128-143	12	59
153	Alternative Splicing of EZH2 pre-mRNA by SF3B3 Contributes to the Tumorigenic Potential of Renal Cancer. <i>Clinical Cancer Research</i> , 2017 , 23, 3428-3441	12.9	59
152	miRNA-34a suppresses cell proliferation and metastasis by targeting CD44 in human renal carcinoma cells. <i>Journal of Urology</i> , 2014 , 192, 1229-37	2.5	56
151	Effects of adsorbed F, OH, and Cl ions on formaldehyde adsorption performance and mechanism of anatase TiO ₂ nanosheets with exposed {001} facets. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8165-72	9.5	56
150	Effect of copper-doped silicate 13-93 bioactive glass scaffolds on the response of MC3T3-E1 cells in vitro and on bone regeneration and angiogenesis in rat calvarial defects in vivo. <i>Materials Science and Engineering C</i> , 2016 , 67, 440-452	8.3	56
149	Properties of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode material synthesized by a modified Pechini method for high-power lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 696-701	5.7	55
148	Electrochemical Synthesis and Supercapacitive Properties of EMnO ₂ with Porous/Nanoflaky Hierarchical Architectures. <i>Journal of the Electrochemical Society</i> , 2009 , 156, A627	3.9	55
147	miR-206 functions as a novel cell cycle regulator and tumor suppressor in clear-cell renal cell carcinoma. <i>Cancer Letters</i> , 2016 , 374, 107-116	9.9	49
146	High-efficiency dye-sensitized solar cells based on electrospun TiO ₂ multi-layered composite film photoanodes. <i>Energy</i> , 2015 , 86, 196-203	7.9	49
145	Synthesis of octahedral Mn ₃ O ₄ crystals and their derived Mn ₃ O ₄ /MnO ₂ heterostructures via oriented growth. <i>CrystEngComm</i> , 2011 , 13, 5685	3.3	48

144	Formaldehyde on TiO ₂ anatase (101): A DFT study. <i>Computational Materials Science</i> , 2012 , 51, 389-395	3.2	46
143	In Situ Pyrolysis Concerted Formation of Si/C Hybrids during Molten Salt Electrolysis of SiO@Polydopamine. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9156-9163	9.5	45
142	Direct Conversion of Rice Husks to Nanostructured SiC/C for CO Photoreduction. <i>Advanced Materials</i> , 2020 , 32, e2001560	24	45
141	Electrochemical Conversion of Oxide Precursors to Consolidated Zr and Zr _{0.5} Nb Tubes. <i>Chemistry of Materials</i> , 2008 , 20, 7274-7280	9.6	45
140	Enhanced lithium storage performance of core-shell structural Si@TiO ₂ /NC composite anode via facile sol-gel and in situ N-doped carbon coating processes. <i>Electrochimica Acta</i> , 2019 , 317, 575-582	6.7	43
139	In situ electrochemical conversion of CO in molten salts to advanced energy materials with reduced carbon emissions. <i>Science Advances</i> , 2020 , 6, eaay9278	14.3	43
138	Preparation and application of capacitive carbon from bamboo shells by one step molten carbonates carbonization. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 18713-18720	6.7	43
137	Role of microRNA-27a in down-regulation of angiogenic factor AGGF1 under hypoxia associated with high-grade bladder urothelial carcinoma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 712-25	6.9	40
136	Interfacial synthesis: amphiphilic monomers assisted ultrarefining of mesoporous manganese oxide nanoparticles and the electrochemical implications. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3120-3124	8.5	40
135	In vitro evaluation of cytotoxicity of silver-containing borate bioactive glass. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 95, 441-8	3.5	40
134	Electrochemical Reduction of Carbon Dioxide and Iron Oxide in Molten Salts to Fe/Fe C Modified Carbon for Electrocatalytic Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2120-2124	16.4	40
133	Effect of surgical liver resection on circulating tumor cells in patients with hepatocellular carcinoma. <i>BMC Cancer</i> , 2018 , 18, 835	4.8	39
132	Electrochemical extraction of Ti ₅ Si ₃ silicide from multicomponent Ti/Si-containing metal oxide compounds in molten salt. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7421	13	39
131	Heterogeneous activation of peroxymonocarbonate by Co-Mn oxides for the efficient degradation of chlorophenols in the presence of a naturally occurring level of bicarbonate. <i>Chemical Engineering Journal</i> , 2018 , 334, 1297-1308	14.7	38
130	One-step molten salt carbonization (MSC) of firwood biomass for capacitive carbon. <i>RSC Advances</i> , 2016 , 6, 106485-106490	3.7	37
129	Microbubble effect-assisted electrolytic synthesis of hollow carbon spheres from CO ₂ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12822-12827	13	36
128	Epigenetic inactivation of KLF4 is associated with urothelial cancer progression and early recurrence. <i>Journal of Urology</i> , 2014 , 191, 493-501	2.5	36
127	Cisplatin-induced epigenetic activation of miR-34a sensitizes bladder cancer cells to chemotherapy. <i>Molecular Cancer</i> , 2014 , 13, 8	42.1	36

126	Electrodeposited Silicon Nanowires from Silica Dissolved in Molten Salts as a Binder-Free Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 804-813	6.1	36
125	Leptin activates STAT3 and ERK1/2 pathways and induces endometrial cancer cell proliferation. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2011 , 31, 365		35
124	IMPROVED CAPACITIVE BEHAVIOR OF MnO ₂ THIN FILMS PREPARED BY ELECTRODEPOSITION ON THE PT SUBSTRATE WITH A MnO _x BUFFER LAYER. <i>Functional Materials Letters</i> , 2009 , 02, 13-18	1.2	35
123	Catalytic decomposition of methane to produce hydrogen: A review. <i>Journal of Energy Chemistry</i> , 2021 , 58, 415-430	12	35
122	Efficient Nanostructuring of Silicon by Electrochemical Alloying/Dealloying in Molten Salts for Improved Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15743-15748	16.4	35
121	miR-490-5p suppresses tumour growth in renal cell carcinoma through targeting PIK3CA. <i>Biology of the Cell</i> , 2016 , 108, 41-50	3.5	34
120	Enhanced capacitive properties of commercial activated carbon by re-activation in molten carbonates. <i>Journal of Power Sources</i> , 2015 , 298, 74-82	8.9	33
119	Computer-aided control of electrolysis of solid Nb ₂ O ₅ in molten CaCl ₂ . <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1809-18	3.6	33
118	Molten salt CO ₂ capture and electro-transformation (MSCC-ET) into capacitive carbon at medium temperature: effect of the electrolyte composition. <i>Faraday Discussions</i> , 2016 , 190, 241-58	3.6	33
117	Kinetic and Thermodynamic Characterization of Enhanced Carbon Dioxide Absorption Process with Lithium Oxide-Containing Ternary Molten Carbonate. <i>Environmental Science & Technology</i> , 2016 , 50, 10588-10595	10.3	33
116	Preparation of resorbable carbonate-substituted hollow hydroxyapatite microspheres and their evaluation in osseous defects in vivo. <i>Materials Science and Engineering C</i> , 2016 , 60, 324-332	8.3	32
115	Adatom transport on strained Cu(001): surface crowdions. <i>Physical Review Letters</i> , 2003 , 90, 156102	7.4	32
114	Electrochemical Fixation of Carbon Dioxide in Molten Salts on Liquid Zinc Cathode to Zinc@Graphitic Carbon Spheres for Enhanced Energy Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 2002241	21.8	32
113	Influence of Cu doping in borosilicate bioactive glass and the properties of its derived scaffolds. <i>Materials Science and Engineering C</i> , 2016 , 58, 194-203	8.3	31
112	Molten-salt treatment of waste biomass for preparation of carbon with enhanced capacitive properties and electrocatalytic activity towards oxygen reduction. <i>Faraday Discussions</i> , 2016 , 190, 147-59	3.6	31
111	Robocasting of silicon nitride with controllable shape and architecture for biomedical applications. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 117-127	2	30
110	Characterization and adsorption properties of the electrolytic carbon derived from CO ₂ conversion in molten salts. <i>Carbon</i> , 2017 , 111, 162-172	10.4	30
109	Electrolytic synthesis of carbon from the captured CO ₂ in molten LiCl/KCl/Na ₂ CO ₃ : Critical roles of electrode potential and temperature for hollow structure and lithium storage performance. <i>Electrochimica Acta</i> , 2018 , 259, 975-985	6.7	30

108	Nickel based oxide film formed in molten salts for efficient electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10514-10522	13	29
107	Green production of nickel powder by electro-reduction of NiO in molten Na ₂ CO ₃ /K ₂ CO ₃ . <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 18699-18705	6.7	29
106	Fibulin-1 is down-regulated through promoter hypermethylation and suppresses renal cell carcinoma progression. <i>Journal of Urology</i> , 2013 , 190, 291-301	2.5	29
105	Template-free electrosynthesis of crystalline germanium nanowires from solid germanium oxide in molten CaCl ₂ /NaCl. <i>Electrochimica Acta</i> , 2013 , 102, 369-374	6.7	29
104	Near-Net-Shape Production of Hollow Titanium Alloy Components via Electrochemical Reduction of Metal Oxide Precursors in Molten Salts. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013 , 44, 272-282	2.5	28
103	Global analysis of DNA methylation in hepatocellular carcinoma by a liquid hybridization capture-based bisulfite sequencing approach. <i>Clinical Epigenetics</i> , 2015 , 7, 86	7.7	27
102	Three-dimensional zinc incorporated borosilicate bioactive glass scaffolds for rodent critical-sized calvarial defects repair and regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 130, 149-56	6	26
101	Androgen-receptor splice variant-7-positive prostate cancer: a novel molecular subtype with markedly worse androgen-deprivation therapy outcomes in newly diagnosed patients. <i>Modern Pathology</i> , 2018 , 31, 198-208	9.8	26
100	Mesoporous bioactive glass-coated 3D printed borosilicate bioactive glass scaffolds for improving repair of bone defects. <i>International Journal of Biological Sciences</i> , 2018 , 14, 471-484	11.2	26
99	Photocatalytic degradation of sulfamethazine by graphitic carbon nitride-modified zinc molybdate: Effects of synthesis method on performance, degradation kinetics, and mechanism. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 2009-2020	11.3	26
98	Thin film Li electrolytes for all-solid-state micro-batteries. <i>International Journal of Surface Science and Engineering</i> , 2009 , 3, 23	1	26
97	Template-Free Electrochemical Formation of Silicon Nanotubes from Silica. <i>Advanced Science</i> , 2020 , 7, 2001492	13.6	25
96	Interfacial confinement of Ni-V ₂ O ₃ in molten salts for enhanced electrocatalytic hydrogen evolution. <i>Journal of Energy Chemistry</i> , 2020 , 50, 280-285	12	25
95	Reduction mechanism and carbon content investigation for electrolytic production of iron from solid Fe ₂ O ₃ in molten K ₂ CO ₃ /Na ₂ CO ₃ using an inert anode. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 689, 109-116	4.1	25
94	Ultrahigh aniline-removal capacity of hierarchically structured layered manganese oxides: trapping aniline between interlayers. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8676-8682	13	25
93	Thermoelectrochemical formation of Fe/Fe ₃ C@hollow N-doped carbon in molten salts for enhanced catalysis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4800-4806	13	24
92	Tuning the Li/Ni Disorder of the NMC811 Cathode by Thermally Driven Competition between Lattice Ordering and Structure Decomposition. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5600-5607	3.8	24
91	Synthesis of nanostructured graphite via molten salt reduction of CO ₂ and SO ₂ at a relatively low temperature. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20603-20607	13	24

90	Electrochemical synthesis of ammonia in molten salts. <i>Journal of Energy Chemistry</i> , 2020 , 43, 195-207	12	24
89	Creation of bioactive glass (13-93) scaffolds for structural bone repair using a combined finite element modeling and rapid prototyping approach. <i>Materials Science and Engineering C</i> , 2016 , 68, 651-662	8.3	23
88	Controllable conversion of rice husks to Si/C and SiC/C composites in molten salts. <i>Journal of Energy Chemistry</i> , 2021 , 55, 102-107	12	21
87	Low-Temperature Assembly of Ultrathin Amorphous MnO Nanosheets over FeO Spindles for Enhanced Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30470-30478	9.5	21
86	Electrochemical Synthesis of Nano-Metallic Carbides from the Mixtures of Metal Oxide and Graphite. <i>Journal of the Electrochemical Society</i> , 2017 , 164, E144-E150	3.9	20
85	Preparation of a porous nanostructured germanium from GeO ₂ via a reduction-alloying dealloying approach. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1427-1430	13	20
84	Electropolymerization of polypyrrole at the three-phase interline: Influence of polymerization conditions. <i>Electrochimica Acta</i> , 2013 , 92, 108-116	6.7	20
83	Flue-Gas-Derived Sulfur-Doped Carbon with Enhanced Capacitance. <i>Advanced Sustainable Systems</i> , 2017 , 1, 1700047	5.9	19
82	The role of Interleukin-33 in the modulation of splenic T-cell immune responses after experimental ischemic stroke. <i>Journal of Neuroimmunology</i> , 2019 , 333, 576970	3.5	19
81	Electrolytic calcium hexaboride for high capacity anode of aqueous primary batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15184-15189	13	19
80	Regulation of glucose metabolism by p62/SQSTM1 through HIF1 α . <i>Journal of Cell Science</i> , 2016 , 129, 817-30	5.3	19
79	Heterostructured Fe ₂ O ₃ @SnO ₂ core-shell nanospindles for enhanced Room-temperature HCHO oxidation. <i>Applied Surface Science</i> , 2018 , 457, 83-92	6.7	19
78	Electropolymerization of PEDOT on CNTs conductive network assembled at water/oil interface. <i>Electrochimica Acta</i> , 2014 , 136, 97-104	6.7	19
77	Silicon nitride bioceramics in healthcare. <i>International Journal of Applied Ceramic Technology</i> , 2018 , 15, 861-872	2	19
76	One-step molten-salt synthesis of anatase/rutile bi-phase TiO ₂ @MoS ₂ hierarchical photocatalysts for enhanced solar-driven hydrogen generation. <i>Applied Surface Science</i> , 2020 , 507, 145072	6.7	19
75	Viral integration drives multifocal HCC during the occult HBV infection. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019 , 38, 261	12.8	17
74	Production of Fine Tungsten Powder by Electrolytic Reduction of Solid CaWO ₄ in Molten Salt. <i>Journal of the Electrochemical Society</i> , 2012 , 159, E139-E143	3.9	17
73	Evaluation of Ti implants coated with Ag-containing borate bioactive glass for simultaneous eradication of infection and fracture fixation in a rabbit tibial model. <i>Journal of Materials Research</i> , 2012 , 27, 3147-3156	2.5	17

72	Electrochemical Splitting of Methane in Molten Salts To Produce Hydrogen. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7664-7668	16.4	17
71	Synthesis and characterization of Mn-based composite oxides with enhanced electrocatalytic activity for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13345-13351	13	16
70	Kinetics and mechanisms of converting bioactive borate glasses to hydroxyapatite in aqueous phosphate solution. <i>Journal of Materials Science</i> , 2011 , 46, 47-54	4.3	15
69	Challenges and Strategies of Low-Cost Aluminum Anodes for High-Performance Al-Based Batteries. <i>Advanced Materials</i> , 2021 , e2102026	24	15
68	Tough and strong porous bioactive glass-PLA composites for structural bone repair. <i>Journal of Materials Science</i> , 2017 , 52, 9039-9054	4.3	14
67	The lithium storage performance of electrolytic-carbon from CO ₂ . <i>Journal of Power Sources</i> , 2017 , 341, 419-426	8.9	14
66	Neuroprotective effect of miR-410-3p against sevoflurane anesthesia-induced cognitive dysfunction in rats through PI3K/Akt signaling pathway via targeting C-X-C motif chemokine receptor 5. <i>Genes and Genomics</i> , 2019 , 41, 1223-1231	2.1	14
65	Electrophoretic-deposited CNT/MnO ₂ composites for high-power electrochemical energy storage/conversion applications. <i>Physica Scripta</i> , 2010 , T139, 014008	2.6	14
64	Synthesis and Manipulation of Single-Crystalline Lithium Nickel Manganese Cobalt Oxide Cathodes: A Review of Growth Mechanism. <i>Frontiers in Chemistry</i> , 2020 , 8, 747	5	14
63	Electrolytic Formation of Crystalline Silicon/Germanium Alloy Nanotubes and Hollow Particles with Enhanced Lithium-Storage Properties. <i>Angewandte Chemie</i> , 2016 , 128, 7553-7557	3.6	13
62	Long-term bone regeneration, mineralization and angiogenesis in rat calvarial defects implanted with strong porous bioactive glass (13B3) scaffolds. <i>Journal of Non-Crystalline Solids</i> , 2016 , 432, 120-129	3.9	13
61	Growing highly capacitive nano-Ni(OH) ₂ on freshly cut graphite electrode by electrochemically enhanced self-assembly. <i>Electrochimica Acta</i> , 2013 , 99, 198-203	6.7	13
60	Pore volume and distribution regulation of highly nanoporous titanium dioxide nanofibers and their photovoltaic properties. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 74-83	9.3	13
59	Electrosynthesis of Ti ₂ CON from TiO ₂ /C Composite in Molten CaCl ₂ : Effect of Electrolysis Voltage and Duration. <i>Journal of the Electrochemical Society</i> , 2013 , 160, F1192-F1196	3.9	13
58	Rare metals preparation by electro-reduction of solid compounds in high-temperature molten salts. <i>Rare Metals</i> , 2016 , 35, 581-590	5.5	13
57	Review - bioactive glass implants for potential application in structural bone repair. <i>Biomedical Glasses</i> , 2017 , 3,	2.7	12
56	H-bonding effect of oxyanions enhanced photocatalytic degradation of sulfonamides by g-CN in aqueous solution. <i>Journal of Hazardous Materials</i> , 2019 , 366, 259-267	12.8	12
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