

Yizhong Huang

List of Publications by Year in Descending Order

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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.

248
papers

9,321
citations

48
h-index

88
g-index

259
ext. papers

10,874
ext. citations

7.8
avg, IF

6.25
L-index

#	Paper	IF	Citations
248	Ternary duplex FeCoNi alloy prepared by cathode plasma electrolytic deposition as a high-efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022 , 891, 161934	5.7	3
247	Mechanically Durable Memristor Arrays Based on a Discrete Structure Design. <i>Advanced Materials</i> , 2021 , e2106212	24	5
246	Enhanced field emission of CuO nanowires by aluminum coating for volatile organic compound detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 131181	8.5	2
245	Copper phosphide decorated g-CN catalysts for highly efficient photocatalytic H evolution.. <i>Journal of Colloid and Interface Science</i> , 2021 , 610, 126-135	9.3	2
244	High Thermoelectric Performance through Crystal Symmetry Enhancement in Triply Doped Diamondoid Compound Cu ₂ SnSe ₃ . <i>Advanced Energy Materials</i> , 2021 , 11, 2100661	21.8	11
243	Enabling a Stable Room-Temperature Sodium-Sulfur Battery Cathode by Building Heterostructures in Multichannel Carbon Fibers. <i>ACS Nano</i> , 2021 , 15, 5639-5648	16.7	26
242	Cobalt tungsten phosphide with tunable W-doping as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Nano Research</i> , 2021 , 14, 4073	10	7
241	Gas-solid interfacial charge transfer in volatile organic compound detection by CuCrO nanoparticles. <i>Nanotechnology</i> , 2021 , 32,	3.4	3
240	Engineering of cation and anion vacancies in Co ₃ O ₄ thin nanosheets by laser irradiation for more advancement of oxygen evolution reaction. <i>Nano Energy</i> , 2021 , 83, 105800	17.1	17
239	Conductivity Modulation of 3D-Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahigh-Current Oxygen Evolution. <i>Advanced Energy Materials</i> , 2021 , 11, 2100968	21.8	2
238	Chemical Vapor Deposition of Superconducting FeTeSe Nanosheets. <i>Nano Letters</i> , 2021 , 21, 5338-5344	11.5	8
237	Enhanced Catalytic Activity Induced by the Nanostructuring Effect in Pd Decoration onto Doped Ceria Enabling an Origami Paper Analytical Device for High Performance of Amyloid- β Bioassay. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33937-33947	9.5	3
236	Decomposition behavior in the early-stage oxidation of Sm ₂ Co ₁₇ -type magnets. <i>Scripta Materialia</i> , 2021 , 200, 113911	5.6	2
235	Twinning enhanced electrical conductivity and surface activity of nanostructured CuCrO ₂ gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2021 , 338, 129845	8.5	2
234	Defective ultra-thin two-dimensional g-CN photocatalyst for enhanced photocatalytic H evolution activity. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 159-166	9.3	50
233	Flexible Au micro-array electrode with atomic-scale Au thin film for enhanced ethanol oxidation reaction. <i>Nano Research</i> , 2021 , 14, 311-319	10	0
232	High Performance Li Metal Anode Enabled by Robust Covalent Triazine Framework-Based Protective Layer. <i>Advanced Functional Materials</i> , 2021 , 31, 2006159	15.6	16

231	A Bulk-Heterostructure Nanocomposite Electrolyte of CeSmO-SrTiO for Low-Temperature Solid Oxide Fuel Cells. <i>Nano-Micro Letters</i> , 2021 , 13, 46	19.5	20
230	Strained Ultralong Silver Nanowires for Enhanced Electrocatalytic Oxygen Reduction Reaction in Alkaline Medium. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2029-2035	6.4	5
229	Interpenetrating interfaces for efficient perovskite solar cells with high operational stability and mechanical robustness. <i>Nature Communications</i> , 2021 , 12, 973	17.4	75
228	High thermoelectric performance enabled by convergence of nested conduction bands in PbBiSe with low thermal conductivity. <i>Nature Communications</i> , 2021 , 12, 4793	17.4	15
227	Atomic-scale oxidation of a Sm ₂ Co ₁₇ -type magnet. <i>Acta Materialia</i> , 2021 , 117343	8.4	0
226	Bioactive CaTiO ₃ film prepared on the biomedical porous Ti-5Mo alloy by one-step hydrothermal treatment. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 202-209	5.5	1
225	Synthesis of flower-like cobalt, nickel phosphates grown on the surface of porous high entropy alloy for efficient oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2021 , 885, 160995	5.7	6
224	Cathodic plasma driven self-assembly of HEAs dendrites by pure single FCC FeCoNiMnCu nanoparticles as high efficient electrocatalysts for OER. <i>Chemical Engineering Journal</i> , 2021 , 425, 131533	14.7	8
223	Highly Stable and Ultrahigh-Rate Li Metal Anode Enabled by Fluorinated Carbon Fibers. <i>Small</i> , 2021 , 17, e2006002	11	12
222	Electrically Tunable Wafer-Sized Three-Dimensional Topological Insulator Thin Films Grown by Magnetron Sputtering. <i>Chinese Physics Letters</i> , 2020 , 37, 057301	1.8	8
221	Confining Tiny MoO Clusters into Reduced Graphene Oxide for Highly Efficient Low Frequency Microwave Absorption. <i>Small</i> , 2020 , 16, e2001686	11	43
220	Molecular-scale cage-confinement pyrolysis route to size-controlled molybdenum carbide nanoparticles for electrochemical sensor. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112373	11.8	8
219	Growth of Lattice Coherent Co ₉ S ₈ /Co ₃ O ₄ Nano-Heterostructure for Maximizing the Catalysis of Co-Based Composites. <i>ChemCatChem</i> , 2020 , 12, 2431-2435	5.2	8
218	Highly Strained Au Nanoparticles for Improved Electrocatalysis of Ethanol Oxidation Reaction. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3005-3013	6.4	7
217	Dual-Nitrogen-Doped Carbon Decorated on Na ₃ V ₂ (PO ₄) ₃ to Stabilize the Intercalation of Three Sodium Ions. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6870-6879	6.1	8
216	Atmospheric microplasma based binary Pt ₃ Co nanoflowers synthesis. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 225201	3	
215	Janus-like particles prepared through partial UV irradiation at the water/oil interface and their encapsulation capabilities. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 589, 124460	5.1	6
214	Exploring the impact of atomic lattice deformation on oxygen evolution reactions based on a sub-5 nm pure face-centred cubic high-entropy alloy electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11938-11947	13	42

213	Study on the correlation between passive film and AC corrosion behavior of 2507 super duplex stainless steel in simulated marine environment. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 864, 114072	4.1	13
212	Abnormal Deviation of Temperature Resistivity Correlation for Nanostructured Delafossite CuCrO ₂ Due to Local Reconfiguration. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 28555-28561	3.8	1
211	Lotus root-like porous carbon for potassium ion battery with high stability and rate performance. <i>Journal of Power Sources</i> , 2020 , 466, 228303	8.9	13
210	Metal-organic framework derived CoSe@Nitrogen-doped porous carbon as a high-performance anode material for lithium ion batteries. <i>Nanotechnology</i> , 2020 , 31, 215602	3.4	5
209	Development of polyoxometalate-anchored 3D hybrid hydrogel for high-performance flexible pseudo-solid-state supercapacitor. <i>Electrochimica Acta</i> , 2020 , 329, 135181	6.7	18
208	Ni-Fe-MoO ₄ ·2H ₂ O/LDHs/epoxy resin varnish: A composite coating on carbon steel for long-time and active corrosion protection. <i>Progress in Organic Coatings</i> , 2020 , 140, 105514	4.8	7
207	Simultaneous enhancements of magnetization and remanence in sufficiently exchange-coupled Co _{0.8} Al _{0.2} NdxFe _{2-2x} O ₄ /Co ₇ Fe ₃ (Co) composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 498, 166150	2.8	2
206	Tunable low-dimensional self-assembly of H-shaped bichromophoric perylene diimide Gemini in solution. <i>Nanoscale</i> , 2020 , 12, 3058-3067	7.7	6
205	Interfacial 2-hydroxybenzophenone passivation for highly efficient and stable perovskite solar cells. <i>Journal of Power Sources</i> , 2020 , 475, 228665	8.9	1
204	Preparation of Electrochemical Sensor Based on Zinc Oxide Nanoparticles for Simultaneous Determination of AA, DA, and UA. <i>Frontiers in Chemistry</i> , 2020 , 8, 592538	5	13
203	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. <i>Nature Communications</i> , 2020 , 11, 3729	17.4	57
202	Microwave Absorption: Confining Tiny MoO ₂ Clusters into Reduced Graphene Oxide for Highly Efficient Low Frequency Microwave Absorption (Small 30/2020). <i>Small</i> , 2020 , 16, 2070168	11	9
201	Innovative development on a p-type delafossite CuCrO ₂ nanoparticles based triethylamine sensor. <i>Sensors and Actuators B: Chemical</i> , 2020 , 324, 128743	8.5	11
200	Direct Evidence of the Dynamic Growth of Nanotwinned Copper Grain upon Electron Beam Irradiation. <i>Crystal Growth and Design</i> , 2020 , 20, 6493-6501	3.5	5
199	Facile fabrication of free-standing Cu ₂ O/Au nanocomposite on Cu foil for high performance glucose sensing. <i>Journal of Alloys and Compounds</i> , 2020 , 848, 156532	5.7	13
198	Sol-gel synthesis of highly reproducible WO ₃ photoanodes for solar water oxidation. <i>Science China Materials</i> , 2020 , 63, 2261-2271	7.1	4
197	Graphene reinforced nickel-based superalloy composites fabricated by additive manufacturing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 769, 138484	5.3	31
196	Ordered micropillar array gold electrode increases electrochemical signature of early biofilm attachment. <i>Materials and Design</i> , 2020 , 185, 108256	8.1	9

195	A Unique Ionization Gas Sensor With Extraordinary Susceptibility of Sub-1-Volt. <i>IEEE Sensors Journal</i> , 2020 , 20, 3423-3428	4	1
194	Confinement of single polyoxometalate clusters in molecular-scale cages for improved flexible solid-state supercapacitors. <i>Nanoscale</i> , 2020 , 12, 11887-11898	7.7	11
193	Catalysis of Au nano-pyramids formed across the surfaces of ordered Au nano-ring arrays. <i>Journal of Catalysis</i> , 2019 , 377, 389-399	7.3	4
192	The Self-Passivation Mechanism in Degradation of BiVO Photoanode. <i>IScience</i> , 2019 , 19, 976-985	6.1	27
191	Staging: Unraveling the Potassium Storage Mechanism in Graphite Foam (Adv. Energy Mater. 22/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970081	21.8	3
190	FeCo/FeCoNi/N-doped carbon nanotubes grafted polyhedron-derived hybrid fibers as bifunctional oxygen electrocatalysts for durable rechargeable zinc-air battery. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 26-36	21.8	107
189	Superior Li-ion storage of VS nanowires anchored on reduced graphene. <i>Nanoscale</i> , 2019 , 11, 9556-9562	7.7	21
188	Hollow Mesoporous Co(PO ₃) ₂ @Carbon Polyhedra as High Performance Anode Materials for Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 8599-8606	3.8	18
187	Unraveling the Potassium Storage Mechanism in Graphite Foam. <i>Advanced Energy Materials</i> , 2019 , 9, 1900579	21.8	86
186	Corrosion Behavior of Pipeline Steel with Different Microstructures Under AC Interference in Acid Soil Simulation Solution. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 1698-1706	1.6	9
185	Enhancing the Electrochemical Performance of LiNiCoMnO by VO/LiVO Coating. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26994-27003	9.5	24
184	Van der Waals negative capacitance transistors. <i>Nature Communications</i> , 2019 , 10, 3037	17.4	71
183	Heterogeneous electron transporting layer for reproducible, efficient and stable planar perovskite solar cells. <i>Journal of Power Sources</i> , 2019 , 437, 226907	8.9	7
182	Improved magnetic properties of Co _{0.5} LaxFe _{2.5} O ₄ /FeCo composite powders by magnetic exchange-coupling effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 491, 165596	2.8	6
181	A Depth-Profiling Study on the Solid Electrolyte Interface: Bis(fluorosulfonyl)imide Anion toward Improved K ⁺ Storage. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7942-7951	6.1	33
180	Single-Nanowire Fuse for Ionization Gas Detection. <i>Sensors</i> , 2019 , 19,	3.8	10
179	Nanostructured Metal-Organic Conjugated Coordination Polymers with Ligand Tailoring for Superior Rechargeable Energy Storage. <i>Small</i> , 2019 , 15, e1903188	11	40
178	Electrochemical Signature of Escherichia coli on Nickel Micropillar Array Electrode for Early Biofilm Characterization. <i>ChemElectroChem</i> , 2019 , 6, 4674-4680	4.3	11

177	Nitrogen configuration dependent holey active sites toward enhanced K ⁺ storage in graphite foam. <i>Journal of Power Sources</i> , 2019 , 419, 82-90	8.9	27
176	Ordered distributed nickel sulfide nanoparticles across graphite nanosheets for efficient oxygen evolution reaction electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1544-1554	6.7	16
175	Self-assembled Cu-Ni bimetal oxide 3D in-plane epitaxial structures for highly efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 56-62	21.8	41
174	Rational design of intertwined carbon nanotubes threaded porous CoP@carbon nanocubes as anode with superior lithium storage. <i>Carbon</i> , 2019 , 142, 269-277	10.4	38
173	Extraordinary catalysis induced by titanium foil cathode plasma for degradation of water pollutant. <i>Chemosphere</i> , 2019 , 214, 341-348	8.4	12
172	Electrochemical behaviors of hierarchical copper nano-dendrites in alkaline media. <i>Nano Research</i> , 2018 , 11, 4225-4231	10	9
171	Probing the Performance Limitations in Thin-Film FeVO ₄ Photoanodes for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9773-9782	3.8	24
170	Phase Transformation of GeO Glass to Nanocrystals under Ambient Conditions. <i>Nano Letters</i> , 2018 , 18, 3290-3296	11.5	18
169	High-Crystallinity Urchin-like VS Anode for High-Performance Lithium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14727-14734	9.5	47
168	Three dimension (3D) hierarchical electrode (Au/rGO/CoPt ₃) for electrooxidation of ethanol in fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 12596-12602	6.7	2
167	Multi-channel FeP@C octahedra anchored on reduced graphene oxide nanosheet with efficient performance for lithium-ion batteries. <i>Carbon</i> , 2018 , 139, 477-485	10.4	58
166	Improved Corrosion Resistance of Co,Al-Alloyed NdFeB Magnetic Nanostructures Processed by Microwave Synthesis Techniques. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	5
165	Morphology controlled lithium storage in Li ₃ VO ₄ anodes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 456-463	19.3	32
164	Hierarchical three-dimensional Fe ₃ O ₄ @porous carbon matrix/graphene anodes for high performance lithium ion batteries. <i>Electrochimica Acta</i> , 2018 , 260, 965-973	6.7	45
163	Phase controllable fabrication of zinc cobalt sulfide hollow polyhedra as high-performance electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale</i> , 2018 , 10, 1774-1778	7.7	28
162	Improving solar water-splitting performance of LaTaON ₂ by bulk defect control and interface engineering. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 111-116	21.8	21
161	Manganese phosphate coated Li[Ni _{0.6} Co _{0.2} Mn _{0.2}]O ₂ cathode material: Towards superior cycling stability at elevated temperature and high voltage. <i>Journal of Power Sources</i> , 2018 , 402, 263-271	8.9	69
160	Nanostructured CuO/C Hollow Shell@3D Copper Dendrites as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23807-23812	9.5	40

159	Nickel Nanoparticles Encapsulated in Few-Layer Nitrogen-Doped Graphene Derived from Metal-Organic Frameworks as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Materials</i> , 2017 , 29, 1605957	24	421
158	Polymerizable ionic liquid-derived carbon for oxygen reduction and evolution. <i>Journal of Applied Electrochemistry</i> , 2017 , 47, 351-359	2.6	6
157	Rapid Pseudocapacitive Sodium-Ion Response Induced by 2D Ultrathin Tin Monoxide Nanoarrays. <i>Advanced Functional Materials</i> , 2017 , 27, 1606232	15.6	81
156	Hybrid vertical graphene/lithium titanate π NTs arrays for lithium ion storage with extraordinary performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8916-8921	13	66
155	"Electron/Ion Sponge"-Like V-Based Polyoxometalate: Toward High-Performance Cathode for Rechargeable Sodium Ion Batteries. <i>ACS Nano</i> , 2017 , 11, 6911-6920	16.7	66
154	Direct evidence of passive film growth on 316 stainless steel in alkaline solution. <i>Materials Characterization</i> , 2017 , 131, 168-174	3.9	19
153	Metal-sulfide-decorated ZnO/Si nano-heterostructure arrays with enhanced photoelectrochemical performance. <i>Materials Research Bulletin</i> , 2017 , 96, 503-508	5.1	6
152	Ultrafine Metal Nanoparticles/N-Doped Porous Carbon Hybrids Coated on Carbon Fibers as Flexible and Binder-Free Water Splitting Catalysts. <i>Advanced Energy Materials</i> , 2017 , 7, 1700220	21.8	126
151	The disparity of corrosion resistance between Ni/Au and NiB/Au electrical contacts in mixed flowing and salt spray tests. <i>Journal of Materials Science</i> , 2017 , 52, 9834-9849	4.3	2
150	Solution Growth of Ultralong Gold Nanohelices. <i>ACS Nano</i> , 2017 , 11, 5538-5546	16.7	23
149	Nanoscale ion intermixing induced activation of Fe ₂ O ₃ /MnO ₂ composites for application in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8510-8518	13	47
148	Solvothermal synthesis of Li ₃ VO ₄ : Morphology control and electrochemical performance as anode for lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22167-22174	6.7	12
147	The Electrochemical Response of Single Crystalline Copper Nanowires to Atmospheric Air and Aqueous Solution. <i>Small</i> , 2017 , 13, 1603411	11	15
146	Investigating the Role of Tunable Nitrogen Vacancies in Graphitic Carbon Nitride Nanosheets for Efficient Visible-Light-Driven H ₂ Evolution and CO ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7260-7268	8.3	224
145	Large-Area and High-Quality 2D Transition Metal Telluride. <i>Advanced Materials</i> , 2017 , 29, 1603471	24	140
144	New insight into the roles of oxygen vacancies in hematite for solar water splitting. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1074-1082	3.6	59
143	Understanding the Southeast Asian haze. <i>Environmental Research Letters</i> , 2017 , 12, 084018	6.2	6
142	In Situ Formation of Decavanadate-Intercalated Layered Double Hydroxide Films on AA2024 and their Anti-Corrosive Properties when Combined with Hybrid Sol Gel Films. <i>Materials</i> , 2017 , 10,	3.5	14

141	Carbon supported Pt ₉ Sn ₁ nanoparticles as an efficient nanocatalyst for glycerol oxidation. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 78-85	21.8	39
140	An investigation into different nickel and nickel-phosphorus stacked thin coatings for the corrosion protection of electrical contacts. <i>Surface and Coatings Technology</i> , 2016 , 300, 95-103	4.4	15
139	Large Piezoelectricity and Ferroelectricity in Mn-Doped (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ Thin Film Prepared by Pulsed Laser Deposition. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2347-2353	3.8	20
138	A novel synthesis of carbon nanotubes directly from an indecomposable solid carbon source for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2137-2146	13	49
137	Porous and hollow NiO microspheres for high capacity and long-life anode materials of Li-ion batteries. <i>Materials and Design</i> , 2016 , 92, 160-165	8.1	34
136	Carbon Nanomaterials Based on Carbon Nanotubes (CNTs). <i>Advanced Structured Materials</i> , 2016 , 25-101	0.6	1
135	Evidence of a nanosized copper anodic reaction in an anaerobic sulfide aqueous solution. <i>RSC Advances</i> , 2016 , 6, 19937-19943	3.7	6
134	Carbon spheres anchored Co ₃ O ₄ nanoclusters as an efficient catalyst for dye degradation. <i>Applied Catalysis A: General</i> , 2016 , 513, 106-115	5.1	23
133	Novel fuel cell with nanocomposite functional layer designed by perovskite solar cell principle. <i>Nano Energy</i> , 2016 , 19, 156-164	17.1	103
132	Templated formation of porous Mn ₂ O ₃ octahedra from Mn-MIL-100 for lithium-ion battery anode materials. <i>Materials and Design</i> , 2016 , 98, 319-323	8.1	44
131	Diffusion induced concave Co ₃ O ₄ @CoFe ₂ O ₄ hollow heterostructures for high performance lithium ion battery anode. <i>Energy Storage Materials</i> , 2016 , 4, 145-153	19.4	35
130	Atmospheric corrosion resistance of electroplated Ni/Ni ₃ P/Au electronic contacts. <i>Microelectronics Reliability</i> , 2016 , 60, 84-92	1.2	11
129	Fast and Simple Construction of Efficient Solar-Water-Splitting Electrodes with Micrometer-Sized Light-Absorbing Precursor Particles. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600119	6.8	11
128	Phase transition of hollow-porous Fe ₂ O ₃ microsphere based anodes for lithium ion batteries during high rate cycling. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16569-16575	13	42
127	Synthesis of multimodal porous ZnCo ₂ O ₄ and its electrochemical properties as an anode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 294, 112-119	8.9	83
126	Significant enhancement of UV emission in ZnO nanorods subject to Ga ⁺ ion beam irradiation. <i>Nano Research</i> , 2015 , 8, 1857-1864	10	6
125	Transparent Ceramic Materials. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 29-91	0.4	7
124	Sintering and Densification (I) Conventional Sintering Technologies. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 291-394	0.4	

123	Sintering and Densification of Transparent Ceramics. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 467-517	0.4	
122	Sintering and Densification (II) New Sintering Technologies. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 395-465	0.4	
121	Grain Growth and Microstructure Development. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 519-579	0.4	1
120	Laser Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 581-674	0.4	
119	Powder Characterization and Compaction. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 191-290	0.4	1
118	Ceramic Powder Synthesis. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 93-189	0.4	3
117	General Approach for MOF-Derived Porous Spinel AFe ₂ O ₄ Hollow Structures and Their Superior Lithium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26751-7	9.5	108
116	High-performance asymmetric supercapacitors based on multilayer MnO ₂ /graphene oxide nanoflakes and hierarchical porous carbon with enhanced cycling stability. <i>Small</i> , 2015 , 11, 1310-9	11	289
115	A general approach towards multi-faceted hollow oxide composites using zeolitic imidazolate frameworks. <i>Nanoscale</i> , 2015 , 7, 965-74	7.7	49
114	The roles of lithium-philic giant nitrogen-doped graphene in protecting micron-sized silicon anode from fading. <i>Scientific Reports</i> , 2015 , 5, 15665	4.9	38
113	Other Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 675-734	0.4	
112	In-situ Corrosion Characterization of API X80 Steel and Its Corresponding HAZ Microstructures in an Acidic Environment. <i>Journal of Iron and Steel Research International</i> , 2015 , 22, 135-144	1.2	7
111	Sb-induced phase control of InAsSb nanowires grown by molecular beam epitaxy. <i>Nano Letters</i> , 2015 , 15, 1109-16	11.5	52
110	One-pot sequential electrochemical deposition of multilayer poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonic acid)/tungsten trioxide hybrid films and their enhanced electrochromic properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2708-2717	13	64
109	Transition-metal-ion-mediated polymerization of dopamine: mussel-inspired approach for the facile synthesis of robust transition-metal nanoparticle-graphene hybrids. <i>Chemistry - A European Journal</i> , 2014 , 20, 7776-83	4.8	80
108	Investigation of work softening mechanisms and texture in a hot deformed 6061 aluminum alloy at high temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 240-247	5.3	31
107	GaAs/AlGaAs nanowire photodetector. <i>Nano Letters</i> , 2014 , 14, 2688-93	11.5	207
106	The role of tin oxide surface defects in determining nanonet FET response to humidity and photoexcitation. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 940-945	7.1	21

105	The role of metal layers in the formation of metal-silicon hybrid nanoneedle arrays. <i>Nanoscale</i> , 2014 , 6, 3078-82	7.7	1
104	Mechanistic Aspect of Non-Steady Electrochemical Characteristic During Stress Corrosion Cracking of an X70 Pipeline Steel in Simulated Underground Water. <i>Corrosion</i> , 2014 , 70, 678-685	1.8	26
103	Passivation of Nickel Nanoneedles in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9073-9077	3.9	14
102	Tailoring out-of-plane magnetic properties of pulsed laser deposited FePt thin films by changing laser energy fluence. <i>Applied Surface Science</i> , 2014 , 315, 37-44	6.7	2
101	Hierarchically porous three-dimensional electrodes of CoMoO ₄ and ZnCoO ₄ and their high anode performance for lithium ion batteries. <i>Nanoscale</i> , 2014 , 6, 10556-61	7.7	72
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