Jung Ho Kim

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.

252 papers	14,845 citations	57 h-index	117 g-index
262 ext. papers	16,798 ext. citations	8.1 avg, IF	6.79 L-index

#	Paper	IF	Citations
252	7 T Niobium-Titanium-Based Persistent-Mode Superconducting Magnet for an Electron Beam Ion Source. *IEEE Access*, **2022**, 10, 14731-14738	3.5	
251	The advent of manganese-substituted sodium vanadium phosphate-based cathodes for sodium-ion batteries and their current progress: a focused review. *Journal of Materials Chemistry A*, **2022**, 10, 1022-1046	13	5
250	Mechanistic and nanoarchitectonics insight into Li-host interactions in carbon hosts for reversible Li metal storage. *Nano Energy*, **2022**, 95, 106999	17.1	1
249	Hydrogen evolution reaction catalyst with high catalytic activity by interplay between organic molecules and transition metal dichalcogenide monolayers. *Materials Today Energy*, **2022**, 25, 100976	7	2
248	Porous carbon architectures with different dimensionalities for lithium metal storage.. *Science and Technology of Advanced Materials*, **2022**, 23, 169-188	7.1	0
247	Resistive Water Level Sensors Based on AgNWs/PEDOT:PSS--PEGME Hybrid Film for Agricultural Monitoring Systems.. *ACS Omega*, **2022**, 7, 15459-15466	3.9	
246	Mechanically Stable Kirigami Deformable Resonant Circuits for Wireless Vibration and Pressure Sensor Applications. *ACS Applied Materials & Interfaces*, **2021**, 13, 54162-54169	9.5	2
245	Interfacial reaction and side effect of MgB2 superconducting material through low-rotation mechanical milling. *Ceramics International*, **2021**, 48, 6539-6539	5.1	0
244	Fundamental insight in the design of multifilament MgB2 joint for boosting the persistent-mode operation. *Superconductor Science and Technology*, **2021**, 34, 125003	3.1	0
243	Strategic Approaches to the Dendritic Growth and Interfacial Reaction of Lithium Metal Anode. *Chemistry - an Asian Journal*, **2021**, 16, 4010	4.5	4
242	Solvothermally synthesized anatase TiO2 nanoparticles for photoanodes in dye-sensitized solar cells. *Science and Technology of Advanced Materials*, **2021**, 22, 100-112	7.1	3
241	2D Nanogenerators: Patchable and Implantable 2D Nanogenerator (Small 9/2021). *Small*, **2021**, 17, 2170039	13	
240	Evaluation and control of residual amorphous phases in carbon-doped MgB2 superconductors. *Journal of Alloys and Compounds*, **2021**, 864, 158867	5.7	2
239	Structurally stabilized lithium-metal anode via surface chemistry engineering. *Energy Storage Materials*, **2021**, 37, 315-324	19.4	21
238	Design of cobalt catalysed carbon nanotubes in bimetallic zeolitic imidazolate frameworks. *Applied Surface Science*, **2021**, 547, 149134	6.7	17
237	Stabilizing Li-metal host anode with LiF-rich solid electrolyte interphase. *Nano Convergence*, **2021**, 8, 18	9.2	3
236	Patchable and Implantable 2D Nanogenerator. *Small*, **2021**, 17, e1903519	11	15

235	Superconducting Joining Concept for Internal Magnesium Diffusion-Processed Magnesium Diboride Wires. *ACS Applied Materials & Interfaces*, **2021**, 13, 3349-3357	9.5	6
234	Cobalt supported nitrogen-doped carbon nanotube as efficient catalyst for hydrogen evolution reaction and reduction of 4-nitrophenol. *Applied Surface Science*, **2021**, 151450	6.7	2
233	Critical role of surface craters for improving the reversibility of Li metal storage in porous carbon frameworks. *Nano Energy*, **2021**, 88, 106243	17.1	7
232	Superconducting joints using multifilament MgB2 wires for MRI application. *Scripta Materialia*, **2021** , 204, 114156	5.6	1
231	Nickel-Iron nitrides and alloy heterojunction with amorphous N-doped carbon Shell: High-efficiency synergistic electrocatalysts for oxygen evolution reaction. *Applied Surface Science*, **2021**, 566, 150706	6.7	2
230	Enriched Cavities to ZIF-8-Derived Porous Carbon for Reversible Metallic Lithium Storage. *ACS Applied Energy Materials*, **2021**, 4, 14520-14525	6.1	0
229	Tailoring Domain Morphology in Monolayer NbSe and WNbSe Heterostructure. *ACS Nano*, **2020**, 14, 8784-8792	16.7	13
228	Functionality of Dual-Phase Lithium Storage in a Porous Carbon Host for Lithium-Metal Anode. *Advanced Functional Materials*, **2020**, 30, 1910538	15.6	35
227	Morphology adjustable CoxN with 3D mesoporous structure and amorphous N-doped carbon for overall water splitting. *Applied Surface Science*, **2020**, 529, 147177	6.7	14
226	Biomolecular Piezoelectric Materials: From Amino Acids to Living Tissues. *Advanced Materials*, **2020**, 32, e1906989	24	50
225	MgB2 for MRI applications: dual sintering induced performance variations in in situ and IMD processed MgB2 conductors. *Journal of Materials Chemistry C*, **2020**, 8, 2507-2516	7.1	10
224	Tailored joint fabrication process derived ultra-low resistance MgB2 superconducting joint. *Scripta Materialia*, **2020**, 178, 198-202	5.6	7
223	n-ZnO/p-NiO Core/Shell-Structured Nanorods for Piezoelectric Nanogenerators. *Energy Technology*, **2020**, 8, 2070103	3.5	1
222	Interplay between cold densification and malic acid addition (C4H6O5) for the fabrication of near-isotropic MgB2 conductors for magnet application. *Journal of Magnesium and Alloys*, **2020**, 8, 493-498	8.8	1
221	Focus on nanogenerators: toward smart wearable devices. *Science and Technology of Advanced Materials*, **2020**, 21, 422-423	7.1	3
220	Lithium metal storage in zeolitic imidazolate framework derived nanoarchitectures. *Energy Storage Materials*, **2020**, 33, 95-107	19.4	19
219	n-ZnO/p-NiO Core/Shell-Structured Nanorods for Piezoelectric Nanogenerators. *Energy Technology*, **2020**, 8, 2000462	3.5	1
218	Bottom-Up Lithium Growth Triggered by Interfacial Activity Gradient on Porous Framework for Lithium-Metal Anode. *ACS Energy Letters*, **2020**, 5, 3108-3114	20.1	47

217	Hierarchically open-porous nitrogen-incorporated carbon polyhedrons derived from metal-organic frameworks for improved CDI performance. *Chemical Engineering Journal*, **2020**, 382, 122996	14.7	48
216	Oxygen-Deficient TiO2-δ Synthesized from MIL-125 Metal-Organic Framework for Photocatalytic Dye Degradation. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 2012-2018	5.1	6
215	Rationally designed bimetallic Au@Pt nanoparticles for glucose oxidation. *Scientific Reports*, **2019**, 9, 894	4.9	22
214	Electrochemical properties of nonstoichiometric silicon suboxide anode materials with controlled oxygen concentration. *Composites Part B: Engineering*, **2019**, 174, 107024	10	14
213	Ultra-thin, highly graphitized carbon nanosheets into three-dimensional interconnected framework utilizing a ball mill mixing of precursors. *Chemical Engineering Journal*, **2019**, 374, 1214-1220	14.7	13
212	In-situ formation of MOF derived mesoporous Co3N/amorphous N-doped carbon nanocubes as an efficient electrocatalytic oxygen evolution reaction. *Nano Research*, **2019**, 12, 1605-1611	10	70
211	Mesoporous carbon cubes derived from fullerene crystals as a high rate performance electrode material for supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 12654-12660	13	54
210	A Comparative Study of TiO2 Paste Preparation Methods Using Solvothermally Synthesised Anatase Nanoparticles in Dye-Sensitised Solar Cells. *Applied Sciences (Switzerland)*, **2019**, 9, 979	2.6	1
209	Tunable porosity in bimetallic core-shell structured palladium-platinum nanoparticles for electrocatalysts. *Scripta Materialia*, **2019**, 158, 38-41	5.6	9
208	Everlasting Living and Breathing Gyroid 3D Network in Si@SiOx/C Nanoarchitecture for Lithium Ion Battery. *ACS Nano*, **2019**, 13, 9607-9619	16.7	106
207	Optical logic operation via plasmon-exciton interconversion in 2D semiconductors. *Scientific Reports*, **2019**, 9, 9164	4.9	5
206	Design of 2D Nanocrystalline Fe2Ni2N Coated onto Graphene Nanohybrid Sheets for Efficient Electrocatalytic Oxygen Evolution. *ACS Applied Energy Materials*, **2019**, 2, 8502-8510	6.1	11
205	Niobium-titanium (Nb-Ti) superconducting joints for persistent-mode operation. *Scientific Reports*, **2019**, 9, 14287	4.9	12
204	Edge Contact for Carrier Injection and Transport in MoS Field-Effect Transistors. *ACS Nano*, **2019**, 13, 13169-13175	16.7	28
203	Temperature-dependent piezotronic effect of MoS2 monolayer. *Nano Energy*, **2019**, 58, 811-816	17.1	15
202	Au decorated core-shell structured Au@Pt for the glucose oxidation reaction. *Sensors and Actuators B: Chemical*, **2019**, 278, 88-96	8.5	47
201	Cubic aggregates of Zn2SnO4 nanoparticles and their application in dye-sensitized solar cells. *Nano Energy*, **2019**, 57, 202-213	17.1	26
200	Indium Oxide/Carbon Nanotube/Reduced Graphene Oxide Ternary Nanocomposite with Enhanced Electrochemical Supercapacitance. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 521-528	5.1	65

199	Piezo/triboelectric nanogenerators based on 2-dimensional layered structure materials. *Nano Energy*, **2019**, 57, 680-691	17.1	72
198	Si Nanocrystal-Embedded SiO nanofoils: Two-Dimensional Nanotechnology-Enabled High Performance Li Storage Materials. *Scientific Reports*, **2018**, 8, 6904	4.9	10
197	Facile Synthesis of Palladium-Nanoparticle-Embedded N-Doped Carbon Fibers for Electrochemical Sensing. *ChemPlusChem*, **2018**, 83, 401-406	2.8	6
196	Efficient wide range electrochemical bisphenol-A sensor by self-supported dendritic platinum nanoparticles on screen-printed carbon electrode. *Sensors and Actuators B: Chemical*, **2018**, 255, 2800-2808	8.5	48
195	Strategically Designed Zeolitic Imidazolate Frameworks for Controlling the Degree of Graphitization. *Bulletin of the Chemical Society of Japan*, **2018**, 91, 1474-1480	5.1	33
194	Evaluation of a solid nitrogen impregnated MgB2 racetrack coil. *Superconductor Science and Technology*, **2018**, 31, 105010	3.1	20
193	The effect of amorphous TiO in P25 on dye-sensitized solar cell performance. *Chemical Communications*, **2018**, 54, 381-384	5.8	25
192	Mesoporous Manganese Phosphonate Nanorods as a Prospective Anode for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 19739-19745	9.5	31
191	Superior transport J c obtained in in-situ MgB 2 wires by tailoring the starting materials and using a combined cold high pressure densification and hot isostatic pressure treatment. *Scripta Materialia*, **2017**, 129, 79-83	5.6	13
190	Theoretically designed metal-welded carbon nanotubes: Extraordinary electronic properties and promoted catalytic performance. *Nano Energy*, **2017**, 32, 209-215	17.1	16
189	Mesoporous NiFe oxide multi-composite hollow nanocages for efficient electrocatalytic water oxidation reactions. *Journal of Materials Chemistry A*, **2017**, 5, 4320-4324	13	85
188	Nanotechnology and its medical applications: revisiting public policies from a regulatory perspective in Australia. *Nanotechnology Reviews*, **2017**, 6, 255-269	6.3	5
187	Fish Gill Inspired Crossflow for Efficient and Continuous Collection of Spilled Oil. *ACS Nano*, **2017**, 11, 2477-2485	16.7	135
186	Synergistic effect of Indium and Gallium co-doping on growth behavior and physical properties of hydrothermally grown ZnO nanorods. *Scientific Reports*, **2017**, 7, 41992	4.9	40
185	Solid cryogen: a cooling system for future MgB MRI magnet. *Scientific Reports*, **2017**, 7, 43444	4.9	20
184	Highly Ordered Mesostructured Vanadium Phosphonate toward Electrode Materials for Lithium-Ion Batteries. *Chemistry - A European Journal*, **2017**, 23, 4344-4352	4.8	29
183	Hollow carbon nanobubbles: monocrystalline MOF nanobubbles and their pyrolysis. *Chemical Science*, **2017**, 8, 3538-3546	9.4	264
182	Research Update: Hybrid energy devices combining nanogenerators and energy storage systems for self-charging capability. *APL Materials*, **2017**, 5, 073804	5.7	46

181	Understanding chemically processed solar cells based on quantum dots. *Science and Technology of Advanced Materials*, **2017**, 18, 334-350	7.1	29
180	Synthesis and Cytotoxicity of Dendritic Platinum Nanoparticles with HEK-293 Cells. *Chemistry - an Asian Journal*, **2017**, 12, 21-26	4.5	17
179	Three-Dimensional Super-Branched PdCu Nanoarchitectures Exposed on Controlled Crystal Facets. *Chemistry - A European Journal*, **2017**, 23, 51-56	4.8	19
178	A Simple Silver Nanowire Patterning Method Based on Poly(Ethylene Glycol) Photolithography and Its Application for Soft Electronics. *Scientific Reports*, **2017**, 7, 2282	4.9	45
177	Nanoarchitecture of MOF-derived nanoporous functional composites for hybrid supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 15065-15072	13	113
176	Synthesis of Carbon Nanospheres Through Carbonization of Areca nut. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 2837-842	1.3	12
175	Facile synthesis of nanoporous LiVO@C composites as promising anode materials for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2017**, 19, 9156-9163	3.6	2
174	A Three-Dimensionally Structured Electrocatalyst: Cobalt-Embedded Nitrogen-Doped Carbon Nanotubes/Nitrogen-Doped Reduced Graphene Oxide Hybrid for Efficient Oxygen Reduction. *Chemistry - A European Journal*, **2017**, 23, 637-643	4.8	42
173	Fabrication, Transport Current Testing, and Finite Element Analysis of MgB2 Racetrack Coils. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 2957-2962	1.5	2
172	Redox-Active Polymers for Energy Storage Nanoarchitectonics. *Joule*, **2017**, 1, 739-768	27.8	263
171	Aggregated mesoporous nanoparticles for high surface area light scattering layer TiO photoanodes in Dye-sensitized Solar Cells. *Scientific Reports*, **2017**, 7, 10341	4.9	26
170	Preface for Special Topic: Nanogenerators. *APL Materials*, **2017**, 5, 073701	5.7	9
169	Ni-Co Binary Hydroxide Nanotubes with Three-Dimensionally Structured Nanoflakes: Synthesis and Application as Cathode Materials for Hybrid Supercapacitors. *Chemistry - A European Journal*, **2017**, 23, 10133-10138	4.8	3
168	Preferential growth of boron layer in magnesium diboride (MgB2) by Mg diffusion method. *Journal of Alloys and Compounds*, **2017**, 725, 526-535	5.7	8
167	Prussian Blue-Derived Synthesis of Hollow Porous Iron Pyrite Nanoparticles as Platinum-Free Counter Electrodes for Highly Efficient Dye-Sensitized Solar Cells. *Chemistry - A European Journal*, **2017**, 23, 13263-13263	4.8	
166	Highly Efficient Thin-Film Transistor via Cross-Linking of 1T Edge Functional 2H Molybdenum Disulfides. *ACS Nano*, **2017**, 11, 12832-12839	16.7	13
165	Prussian Blue-Derived Synthesis of Hollow Porous Iron Pyrite Nanoparticles as Platinum-Free Counter Electrodes for Highly Efficient Dye-Sensitized Solar Cells. *Chemistry - A European Journal*, **2017**, 23, 13284-13288	4.8	22
164	Controlled growth of polythiophene nanofibers in TiO2 nanotube arrays for supercapacitor applications. *Journal of Materials Chemistry A*, **2017**, 5, 172-180	13	58

163	Template Free Preparation of Heteroatoms Doped Carbon Spheres with Trace Fe for Efficient Oxygen Reduction Reaction and Supercapacitor. *Advanced Energy Materials*, **2017**, 7, 1602002	21.8	137
162	Doping-Induced Isotopic Mg11B2 Bulk Superconductor for Fusion Application. *Energies*, **2017**, 10, 409	3.1	5
161	Electrochemical Property of Mesoporous Crystalline Iron Phosphonate Anode in Li-Ion Rechargeable Battery. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 9180-9185	1.3	5
160	Si/SiO -Conductive Polymer Core-Shell Nanospheres with an Improved Conducting Path Preservation for Lithium-Ion Battery. *ChemSusChem*, **2016**, 9, 2754-2758	8.3	37
159	Conductive polymers for next-generation energy storage systems: recent progress and new functions. *Materials Horizons*, **2016**, 3, 517-535	14.4	210
158	First Synthesis of Continuous Mesoporous Copper Films with Uniformly Sized Pores by Electrochemical Soft Templating. *Angewandte Chemie - International Edition*, **2016**, 55, 12746-50	16.4	42
157	First Synthesis of Continuous Mesoporous Copper Films with Uniformly Sized Pores by Electrochemical Soft Templating. *Angewandte Chemie*, **2016**, 128, 12938-12942	3.6	10
156	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. *Nano Energy*, **2016**, 28, 232-240	17.1	54
155	Rechargeable lithium‐air batteries: a perspective on the development of oxygen electrodes. *Journal of Materials Chemistry A*, **2016**, 4, 14050-14068	13	132
154	Nanoarchitectures for Metal-Organic Framework-Derived Nanoporous Carbons toward Supercapacitor Applications. *Accounts of Chemical Research*, **2016**, 49, 2796-2806	24.3	547
153	A Facile Approach for Constructing Conductive Polymer Patterns for Application in Electrochromic Devices and Flexible Microelectrodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 33175-33182	9.5	33
152	Zeolitic imidazolate framework (ZIF-8) derived nanoporous carbon: the effect of carbonization temperature on the supercapacitor performance in an aqueous electrolyte. *Physical Chemistry Chemical Physics*, **2016**, 18, 29308-29315	3.6	177
151	A new approach to a superconducting joining process for carbon-doped MgB2conductor. *Superconductor Science and Technology*, **2016**, 29, 095001	3.1	13
150	Tunable-Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. *Angewandte Chemie*, **2016**, 128, 10191-10195	3.6	11
149	Tunable-Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. *Angewandte Chemie - International Edition*, **2016**, 55, 10037-41	16.4	101
148	Deliberate Design of TiO2 Nanostructures towards Superior Photovoltaic Cells. *Chemistry - A European Journal*, **2016**, 22, 11357-64	4.8	25
147	Formation of mesopores inside platinum nanospheres by using double hydrophilic block copolymers. *Materials Letters*, **2016**, 182, 190-193	3.3	4
146	Bimetallic Metal-Organic Frameworks for Controlled Catalytic Graphitization of Nanoporous Carbons. *Scientific Reports*, **2016**, 6, 30295	4.9	267

145	Unique nanocrystalline frameworks in mesoporous tin phosphate prepared through a hydrofluoric acid assisted chemical reaction. *Journal of Materials Chemistry A*, **2016**, 4, 18091-18099	13	10
144	Improvement in the transport critical current density and microstructure of isotopic MgB monofilament wires by optimizing the sintering temperature. *Scientific Reports*, **2016**, 6, 36660	4.9	5
143	Synthesis of Cobalt Sulfide/Sulfur Doped Carbon Nanocomposites with Efficient Catalytic Activity in the Oxygen Evolution Reaction. *Chemistry - A European Journal*, **2016**, 22, 18259-18264	4.8	39
142	Ultrahigh performance supercapacitors utilizing core-shell nanoarchitectures from a metal-organic framework-derived nanoporous carbon and a conducting polymer. *Chemical Science*, **2016**, 7, 5704-5713	9.4	201
141	Electrospun Polyacrylonitrile-Ionic Liquid Nanofibers for Superior PM2.5 Capture Capacity. *ACS Applied Materials & Interfaces*, **2016**, 8, 7030-6	9.5	74
140	Directional dependent piezoelectric effect in CVD grown monolayer MoS 2 for flexible piezoelectric nanogenerators. *Nano Energy*, **2016**, 22, 483-489	17.1	154
139	Controlled delivery of drugs adsorbed onto porous Fe3O4 structures by application of AC/DC magnetic fields. *Microporous and Mesoporous Materials*, **2016**, 226, 243-250	5.3	23
138	The smallest quaternary ammonium salts with ether groups for high-performance electrochemical double layer capacitors. *Chemical Science*, **2016**, 7, 1791-1796	9.4	34
137	Magnesium diboride(MgB2) wires for applications. *Progress in Superconductivity and Cryogenics (PSAC)*, **2016**, 18, 1-5		2
136	Superior Electrocatalytic Activity of a Robust Carbon-Felt Electrode with Oxygen-Rich Phosphate Groups for All-Vanadium Redox Flow Batteries. *ChemSusChem*, **2016**, 9, 1329-38	8.3	73
135	Nanoarchitectures for Mesoporous Metals. *Advanced Materials*, **2016**, 28, 993-1010	24	297
134	Fly compound-eye inspired inorganic nanostructures with extraordinary visible-light responses. *Materials Today Chemistry*, **2016**, 1-2, 84-89	6.2	17
133	Strategic synthesis of mesoporous Pt-on-Pd bimetallic spheres templated from a polymeric micelle assembly. *Journal of Materials Chemistry A*, **2016**, 4, 9169-9176	13	25
132	All-in-one energy harvesting and storage devices. *Journal of Materials Chemistry A*, **2016**, 4, 7983-7999	13	195
131	Cyano-Bridged Trimetallic Coordination Polymer Nanoparticles and Their Thermal Decomposition into Nanoporous Spinel Ferromagnetic Oxides. *Chemistry - A European Journal*, **2016**, 22, 15042-15048	4.8	8
130	Absorption dichroism of monolayer 1T?-MoTe 2 in visible range. *2D Materials*, **2016**, 3, 031010	5.9	28
129	Graphene-like holey Co3O4 nanosheets as a highly efficient catalyst for oxygen evolution reaction. *Nano Energy*, **2016**, 30, 267-275	17.1	147
128	Evaluation of persistent-mode operation in a superconducting MgB2coil in solid nitrogen. *Superconductor Science and Technology*, **2016**, 29, 04LT02	3.1	17

127	CNTs grown on nanoporous carbon from zeolitic imidazolate frameworks for supercapacitors. *Chemical Communications*, **2016**, 52, 13016-13019	5.8	94
126	Magnetic nanoparticles for "smart liposomes". *European Biophysics Journal*, **2015**, 44, 647-54	1.9	18
125	DEVICE TECHNOLOGY. Phase patterning for ohmic homojunction contact in MoTe*Science*, **2015**, 349, 625-8	33.3	679
124	Shape-controlled synthesis of mesoporous iron phosphate materials with crystallized frameworks. *Chemical Communications*, **2015**, 51, 13806-9	5.8	18
123	A technology review of electrodes and reaction mechanisms in vanadium redox flow batteries. *Journal of Materials Chemistry A*, **2015**, 3, 16913-16933	13	415
122	Carbon doping induced imperfections on MgB2 superconducting wire. *Journal of Analytical Science and Technology*, **2015**, 6,	3.4	17
121	Control of core structure in MgB2 wire through tailoring boron powder. *Journal of Alloys and Compounds*, **2015**, 636, 29-33	5.7	11
120	Correlation between in-field Jc enhancement and grain connectivity in co-doped MgB2 superconductor. *Materials Letters*, **2015**, 139, 333-335	3.3	13
119	Asymmetric Supercapacitors Using 3D Nanoporous Carbon and Cobalt Oxide Electrodes Synthesized from a Single Metal-Organic Framework. *ACS Nano*, **2015**, 9, 6288-96	16.7	785
118	Rational design of coaxial structured carbon nanotube-manganese oxide (CNT-MnO2) for energy storage application. *Nanotechnology*, **2015**, 26, 204004	3.4	48
117	Fabrication of Asymmetric Supercapacitors Based on Coordination Polymer Derived Nanoporous Materials. *Electrochimica Acta*, **2015**, 183, 94-99	6.7	18
116	Bandgap opening in few-layered monoclinic MoTe2. *Nature Physics*, **2015**, 11, 482-486	16.2	596
115	Two-step self-assembly of hierarchically-ordered nanostructures. *Journal of Materials Chemistry A*, **2015**, 3, 11688-11699	13	44
114	A Facile Preparation of Mesoporous Carbon Composites with Well-Dispersed Pd Nanoparticles and Their Utilization as Supports for Pt Catalysts. *Electrochimica Acta*, **2015**, 183, 112-118	6.7	7
113	Significantly enhanced critical current density in nano-MgB2grains rapidly formed at low temperature with homogeneous carbon doping. *Superconductor Science and Technology*, **2015**, 28, 055005	3.1	20
112	Surface-Tunable Bioluminescence Resonance Energy Transfer via Geometry-Controlled ZnO Nanorod Coordination. *Small*, **2015**, 11, 3469-75	11	4
111	Electrospun manganese-cobalt oxide hollow nanofibres synthesized via combustion reactions and their lithium storage performance. *Nanoscale*, **2015**, 7, 8351-5	7.7	97
110	Incorporation of conductive polymer into soft carbon electrodes for lithium ion capacitors. *Journal of Power Sources*, **2015**, 299, 49-56	8.9	22

109	Improved transport critical current properties in glycerin-doped MgB2 wire using milled boron powder and a solid-state reaction of 600□C. *Journal of Alloys and Compounds*, **2015**, 650, 794-798	5.7	11
108	Surfactant-Directed Synthesis of Mesoporous Pd Films with Perpendicular Mesochannels as Efficient Electrocatalysts. *Journal of the American Chemical Society*, **2015**, 137, 11558-61	16.4	80
107	Trap-Assisted Transport and Non-Uniform Charge Distribution in Sulfur-Rich PbS Colloidal Quantum Dot-based Solar Cells with Selective Contacts. *ACS Applied Materials & Interfaces*, **2015**, 7, 26455-60	9.5	9
106	Porous nanoarchitectures of spinel-type transition metal oxides for electrochemical energy storage systems. *Physical Chemistry Chemical Physics*, **2015**, 17, 30963-77	3.6	105
105	Mesoporous Hierarchical Anatase for Dye-sensitized Solar Cells Achieving Over 10% Conversion Efficiency. *Electrochimica Acta*, **2015**, 153, 393-398	6.7	26
104	Large-scale synthesis of coaxial carbon nanotube/Ni(OH)2 composites for asymmetric supercapacitor application. *Nano Energy*, **2015**, 11, 211-218	17.1	403
103	Mesoporous anatase single crystals for efficient Co(2+/3+)-based dye-sensitized solar cells. *Nano Energy*, **2015**, 11, 557-567	17.1	48
102	Controlled Synthesis of Nanoporous Nickel Oxide with Two-Dimensional Shapes through Thermal Decomposition of Metal□yanide Hybrid Coordination Polymers. *Chemistry - A European Journal*, **2015**, 21, 3509-3509	4.8	1
101	Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes. *Angewandte Chemie*, **2015**, 127, 11225-11229	3.6	25
100	Polymeric micelle assembly for the smart synthesis of mesoporous platinum nanospheres with tunable pore sizes. *Angewandte Chemie - International Edition*, **2015**, 54, 11073-7	16.4	149
99	Electrochemical Synthesis of Mesoporous Pt Nanowires with Highly Electrocatalytic Activity toward Methanol Oxidation Reaction. *Electrochimica Acta*, **2015**, 183, 107-111	6.7	17
98	R□ktitelbild: Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes (Angew. Chem. 38/2015). *Angewandte Chemie*, **2015**, 127, 11444-11444	3.6	
97	Fish-scale bio-inspired multifunctional ZnO nanostructures. *NPG Asia Materials*, **2015**, 7, e232-e232	10.3	47
96	MgB2superconducting joints for persistent current operation. *Superconductor Science and Technology*, **2015**, 28, 065017	3.1	12
95	N719- and D149-sensitized 3D hierarchical rutile TiO2 solar cells--a comparative study. *Physical Chemistry Chemical Physics*, **2015**, 17, 7208-13	3.6	18
94	The effect of surface passivation on the structure of sulphur-rich PbS colloidal quantum dots for photovoltaic application. *Nanoscale*, **2015**, 7, 5706-11	7.7	28
93	Nanopatterned textile-based wearable triboelectric nanogenerator. *ACS Nano*, **2015**, 9, 3501-9	16.7	495
92	Mesoporous Iron Phosphonate Electrodes with Crystalline Frameworks for Lithium-Ion Batteries. *Chemistry of Materials*, **2015**, 27, 1082-1089	9.6	127

91	Facile potentiostatic preparation of functionalized polyterthiophene-anchored graphene oxide as a metal-free electrocatalyst for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2015** , 3, 5426-5433	13	32
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