Jung Ho Kim

List of Publications by Year
in descending order

252	18,661	17440 63	13379 130
papers	citations	h-index	g-index

262	262	262	23681
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cobalt supported nitrogen-doped carbon nanotube as efficient catalyst for hydrogen evolution reaction and reduction of 4-nitrophenol. Applied Surface Science, 2022, 572, 151450.	6.1	16
2	Interfacial reaction and side effect of MgB2 superconducting material through low-rotation mechanical milling. Ceramics International, 2022, 48, 6539-6548.	4.8	6
3	MgB₂ Superconducting Joint Architecture with the Functionality to Screen External Magnetic Fields for MRI Magnet Applications. ACS Applied Materials & Interfaces, 2022, 14, 3418-3426.	8.0	8
4	7 T Niobium-Titanium-Based Persistent-Mode Superconducting Magnet for an Electron Beam Ion Source. IEEE Access, 2022, 10, 14731-14738.	4.2	0
5	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.	10.3	26
6	Mechanistic and nanoarchitectonics insight into Liâ€“host interactions in carbon hosts for reversible Li metal storage. Nano Energy, 2022, 95, 106999.	16.0	22
7	Intrinsic electrochemical activity of Ni in Ni3Sn4 anode accommodating high capacity and mechanical stability for fast-charging lithium-ion batteries. Journal of Energy Chemistry, 2022, 71, 470-477.	12.9	7
8	Allâ€day wearable health monitoring system. EcoMat, 2022, 4, .	11.9	29
9	Hydrogen evolution reaction catalyst with high catalytic activity by interplay between organic molecules and transition metal dichalcogenide monolayers. Materials Today Energy, 2022, 25, 100976.	4.7	4
10	Porous carbon architectures with different dimensionalities for lithium metal storage. Science and Technology of Advanced Materials, 2022, 23, 169-188.	6.1	21
11	Resistive Water Level Sensors Based on AgNWs/PEDOT:PSS-g-PEGME Hybrid Film for Agricultural Monitoring Systems. ACS Omega, 2022, 7, 15459-15466.	3.5	2
12	Patchable and Implantable 2D Nanogenerator. Small, 2021, 17, e1903519.	10.0	30
13	Superconducting Joining Concept for Internal Magnesium Diffusion-Processed Magnesium Diboride Wires. ACS Applied Materials & Interfaces, 2021, 13, 3349-3357.	8.0	12
14	Suppression of dendritic lithium-metal growth through concentrated dual-salt electrolyte and its accurate prediction. Journal of Materials Chemistry A, 2021, 9, 22833-22841.	10.3	10
15	Solvothermally synthesized anatase TiO2 nanoparticles for photoanodes in dye-sensitized solar cells. Science and Technology of Advanced Materials, 2021, 22, 100-112.	6.1	16
16	2D Nanogenerators: Patchable and Implantable 2D Nanogenerator (Small 9/2021). Small, 2021, 17, 2170039.	10.0	0
17	Evaluation and control of residual amorphous phases in carbon-doped MgB2 superconductors. Journal of Alloys and Compounds, 2021, 864, 158867.	5.5	8
18	Structurally stabilized lithium-metal anode via surface chemistry engineering. Energy Storage Materials, 2021, 37, 315-324.	18.0	46

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19	Design of cobalt catalysed carbon nanotubes in bimetallic zeolitic imidazolate frameworks. Applied Surface Science, 2021, 547, 149134.	6.1	33
20	Stabilizing Li-metal host anode with LiF-rich solid electrolyte interphase. Nano Convergence, 2021, 8, 18.	12.1	12
21	Critical role of surface craters for improving the reversibility of Li metal storage in porous carbon frameworks. Nano Energy, 2021, 88, 106243.	16.0	16
22	Superconducting joints using multifilament MgB2 wires for MRI application. Scripta Materialia, 2021, 204, 114156.	5.2	16
23	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.	6.1	22
24	Fundamental insight in the design of multifilament MgB₂ joint for boosting the persistent-mode operation. Superconductor Science and Technology, 2021, 34, 125003.	3.5	5
25	Strategic Approaches to the Dendritic Growth and Interfacial Reaction of Lithium Metal Anode. Chemistry - an Asian Journal, 2021, 16, 4010-4017.	3.3	17
26	Mechanically Stable Kirigami Deformable Resonant Circuits for Wireless Vibration and Pressure Sensor Applications. ACS Applied Materials & Interfaces, 2021, 13, 54162-54169.	8.0	6
27	Enriched Cavities to ZIF-8-Derived Porous Carbon for Reversible Metallic Lithium Storage. ACS Applied Energy Materials, 2021, 4, 14520-14525.	5.1	5
28	Hierarchically open-porous nitrogen-incorporated carbon polyhedrons derived from metal-organic frameworks for improved CDI performance. Chemical Engineering Journal, 2020, 382, 122996.	12.7	84
29	MgB₂for MRI applications: dual sintering induced performance variations inin situand IMD processed MgB₂conductors. Journal of Materials Chemistry C, 2020, 8, 2507-2516.	5.5	21
30	Tailored joint fabrication process derived ultra-low resistance MgB2 superconducting joint. Scripta Materialia, 2020, 178, 198-202.	5.2	15
31	nâ€ZnO/pâ€NiO Core/Shellâ€Structured Nanorods for Piezoelectric Nanogenerators. Energy Technology, 2020, 8, 2070103.	3.8	1
32	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.	11.9	7
33	Focus on nanogenerators: toward smart wearable devices. Science and Technology of Advanced Materials, 2020, 21, 422-423.	6.1	4
34	Lithium metal storage in zeolitic imidazolate framework derived nanoarchitectures. Energy Storage Materials, 2020, 33, 95-107.	18.0	40
35	nâ€ZnO/pâ€NiO Core/Shellâ€Structured Nanorods for Piezoelectric Nanogenerators. Energy Technology, 2020, 8, 2000462.	3.8	2
36	Bottom-Up Lithium Growth Triggered by Interfacial Activity Gradient on Porous Framework for Lithium-Metal Anode. ACS Energy Letters, 2020, 5, 3108-3114.	17.4	102

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37	Tailoring Domain Morphology in Monolayer NbSe₂ and W_xNb_{1â€“x}Se₂ Heterostructure. ACS Nano, 2020, 14, 8784-8792.	14.6	30
38	Functionality of Dualâ€Phase Lithium Storage in a Porous Carbon Host for Lithiumâ€Metal Anode. Advanced Functional Materials, 2020, 30, 1910538.	14.9	68
39	Morphology adjustable CoxN with 3D mesoporous structure and amorphous N-doped carbon for overall water splitting. Applied Surface Science, 2020, 529, 147177.	6.1	24
40	Biomolecular Piezoelectric Materials: From Amino Acids to Living Tissues. Advanced Materials, 2020, 32, e1906989.	21.0	134
41	Tunable porosity in bimetallic core-shell structured palladium-platinum nanoparticles for electrocatalysts. Scripta Materialia, 2019, 158, 38-41.	5.2	13
42	Everlasting Living and Breathing Gyroid 3D Network in Si@SiOx/C Nanoarchitecture for Lithium Ion Battery. ACS Nano, 2019, 13, 9607-9619.	14.6	165
43	Optical logic operation via plasmon-exciton interconversion in 2D semiconductors. Scientific Reports, 2019, 9, 9164.	3.3	12
44	Design of 2D Nanocrystalline Fe₂Ni₂N Coated onto Graphene Nanohybrid Sheets for Efficient Electrocatalytic Oxygen Evolution. ACS Applied Energy Materials, 2019, 2, 8502-8510.	5.1	25
45	Niobium-titanium (Nb-Ti) superconducting joints for persistent-mode operation. Scientific Reports, 2019, 9, 14287.	3.3	24
46	Edge Contact for Carrier Injection and Transport in MoS₂ Field-Effect Transistors. ACS Nano, 2019, 13, 13169-13175.	14.6	47
47	Oxygen-Deficient TiO2-Î´ Synthesized from MIL-125 Metal-Organic Framework for Photocatalytic Dye Degradation. Bulletin of the Chemical Society of Japan, 2019, 92, 2012-2018.	3.2	7
48	Rationally designed bimetallic Au@Pt nanoparticles for glucose oxidation. Scientific Reports, 2019, 9, 894.	3.3	31
49	Electrochemical properties of nonstoichiometric silicon suboxide anode materials with controlled oxygen concentration. Composites Part B: Engineering, 2019, 174, 107024.	12.0	25
50	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.	12.7	18
51	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.	10.4	108
52	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.	10.3	86
53	A Comparative Study of TiO2 Paste Preparation Methods Using Solvothermally Synthesised Anatase Nanoparticles in Dye-Sensitised Solar Cells. Applied Sciences (Switzerland), 2019, 9, 979.	2.5	3
54	Temperature-dependent piezotronic effect of MoS2 monolayer. Nano Energy, 2019, 58, 811-816.	16.0	26

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55	Au decorated core-shell structured Au@Pt for the glucose oxidation reaction. Sensors and Actuators B: Chemical, 2019, 278, 88-96.	7.8	71
56	Cubic aggregates of Zn2SnO4 nanoparticles and their application in dye-sensitized solar cells. Nano Energy, 2019, 57, 202-213.	16.0	42
57	Indium Oxide/Carbon Nanotube/Reduced Graphene Oxide Ternary Nanocomposite with Enhanced Electrochemical Supercapacitance. Bulletin of the Chemical Society of Japan, 2019, 92, 521-528.	3.2	88
58	Piezo/triboelectric nanogenerators based on 2-dimensional layered structure materials. Nano Energy, 2019, 57, 680-691.	16.0	108
59	Si Nanocrystal-Embedded SiO x nanofoils: Two-Dimensional Nanotechnology-Enabled High Performance Li Storage Materials. Scientific Reports, 2018, 8, 6904.	3.3	11
60	Facile Synthesis of Palladiumâ€Nanoparticleâ€Embedded Nâ€Doped Carbon Fibers for Electrochemical Sensing. ChemPlusChem, 2018, 83, 401-406.	2.8	8
61	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.	7.8	63
62	The effect of amorphous TiO₂ in P25 on dye-sensitized solar cell performance. Chemical Communications, 2018, 54, 381-384.	4.1	36
63	Mesoporous Manganese Phosphonate Nanorods as a Prospective Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 19739-19745.	8.0	38
64	Strategically Designed Zeolitic Imidazolate Frameworks for Controlling the Degree of Graphitization. Bulletin of the Chemical Society of Japan, 2018, 91, 1474-1480.	3.2	38
65	Evaluation of a solid nitrogen impregnated MgB₂ racetrack coil. Superconductor Science and Technology, 2018, 31, 105010.	3.5	25
66	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.	5.2	18
67	Theoretically designed metal-welded carbon nanotubes: Extraordinary electronic properties and promoted catalytic performance. Nano Energy, 2017, 32, 209-215.	16.0	17
68	Mesoporous Niâ€“Fe oxide multi-composite hollow nanocages for efficient electrocatalytic water oxidation reactions. Journal of Materials Chemistry A, 2017, 5, 4320-4324.	10.3	108
69	Nanotechnology and its medical applications: revisiting public policies from a regulatory perspective in Australia. Nanotechnology Reviews, 2017, 6, 255-269.	5.8	8
70	Fish Gill Inspired Crossflow for Efficient and Continuous Collection of Spilled Oil. ACS Nano, 2017, 11, 2477-2485.	14.6	186
71	Synergistic effect of Indium and Gallium co-doping on growth behavior and physical properties of hydrothermally grown ZnO nanorods. Scientific Reports, 2017, 7, 41992.	3.3	50
72	Solid cryogen: a cooling system for future MgB2 MRI magnet. Scientific Reports, 2017, 7, 43444.	3.3	27

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73	Highly Ordered Mesostructured Vanadium Phosphonate toward Electrode Materials for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 4344-4352.	3.3	30
74	Hollow carbon nanobubbles: monocrystalline MOF nanobubbles and their pyrolysis. Chemical Science, 2017, 8, 3538-3546.	7.4	329
75	Research Update: Hybrid energy devices combining nanogenerators and energy storage systems for self-charging capability. APL Materials, 2017, 5, .	5.1	59
76	Understanding chemically processed solar cells based on quantum dots. Science and Technology of Advanced Materials, 2017, 18, 334-350.	6.1	32
77	Synthesis and Cytotoxicity of Dendritic Platinum Nanoparticles with HEKâ€293 Cells. Chemistry - an Asian Journal, 2017, 12, 21-26.	3.3	25
78	Threeâ€Dimensional Superâ€Branched PdCu Nanoarchitectures Exposed on Controlled Crystal Facets. Chemistry - A European Journal, 2017, 23, 51-56.	3.3	24
79	A Simple Silver Nanowire Patterning Method Based on Poly(Ethylene Glycol) Photolithography and Its Application for Soft Electronics. Scientific Reports, 2017, 7, 2282.	3.3	55
80	Nanoarchitecture of MOF-derived nanoporous functional composites for hybrid supercapacitors. Journal of Materials Chemistry A, 2017, 5, 15065-15072.	10.3	146
81	Synthesis of Carbon Nanospheres Through Carbonization of Areca nut. Journal of Nanoscience and Nanotechnology, 2017, 17, 2837-2842.	0.9	16
82	Facile synthesis of nanoporous Li_{1+x}V_{1â^'x}O₂@C composites as promising anode materials for lithium-ion batteries. Physical Chemistry Chemical Physics, 2017, 19, 9156-9163.	2.8	2
83	A Threeâ€Dimensionally Structured Electrocatalyst: Cobaltâ€Embedded Nitrogenâ€Doped Carbon Nanotubes/Nitrogenâ€Doped Reduced Graphene Oxide Hybrid for Efficient Oxygen Reduction. Chemistry - A European Journal, 2017, 23, 637-643.	3.3	50
84	Fabrication, Transport Current Testing, and Finite Element Analysis of MgB2 Racetrack Coils. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2957-2962.	1.8	2
85	Redox-Active Polymers for Energy Storage Nanoarchitectonics. Joule, 2017, 1, 739-768.	24.0	400
86	Aggregated mesoporous nanoparticles for high surface area light scattering layer TiO2 photoanodes in Dye-sensitized Solar Cells. Scientific Reports, 2017, 7, 10341.	3.3	35
87	Preface for Special Topic: Nanogenerators. APL Materials, 2017, 5, .	5.1	10
88	Niâ€“Co Binary Hydroxide Nanotubes with Threeâ€Dimensionally Structured Nanoflakes: Synthesis and Application as Cathode Materials for Hybrid Supercapacitors. Chemistry - A European Journal, 2017, 23, 10133-10138.	3.3	4
89	Preferential growth of boron layer in magnesium diboride (MgB2) by Mg diffusion method. Journal of Alloys and Compounds, 2017, 725, 526-535.	5.5	12
90	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.	3.3	0

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91	Highly Efficient Thin-Film Transistor via Cross-Linking of 1T Edge Functional 2H Molybdenum Disulfides. ACS Nano, 2017, 11, 12832-12839.	14.6	19
92	Prussian Blueâ€Derived Synthesis of Hollow Porous Iron Pyrite Nanoparticles as Platinumâ€Free Counter Electrodes for Highly Efficient Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2017, 23, 13284-13288.	3.3	25
93	Controlled growth of polythiophene nanofibers in TiO₂ nanotube arrays for supercapacitor applications. Journal of Materials Chemistry A, 2017, 5, 172-180.	10.3	76
94	Template Free Preparation of Heteroatoms Doped Carbon Spheres with Trace Fe for Efficient Oxygen Reduction Reaction and Supercapacitor. Advanced Energy Materials, 2017, 7, 1602002.	19.5	160
95	Doping-Induced Isotopic Mg11B2 Bulk Superconductor for Fusion Application. Energies, 2017, 10, 409.	3.1	7
96	Superior Electrocatalytic Activity of a Robust Carbonâ€Felt Electrode with Oxygenâ€Rich Phosphate Groups for Allâ€Vanadium Redox Flow Batteries. ChemSusChem, 2016, 9, 1329-1338.	6.8	95
97	Nanoarchitectures for Mesoporous Metals. Advanced Materials, 2016, 28, 993-1010.	21.0	357
98	Fly compound-eye inspired inorganic nanostructures with extraordinary visible-light responses. Materials Today Chemistry, 2016, 1-2, 84-89.	3.5	22
99	Strategic synthesis of mesoporous Pt-on-Pd bimetallic spheres templated from a polymeric micelle assembly. Journal of Materials Chemistry A, 2016, 4, 9169-9176.	10.3	32
100	All-in-one energy harvesting and storage devices. Journal of Materials Chemistry A, 2016, 4, 7983-7999.	10.3	245
101	Cyanoâ€Bridged Trimetallic Coordination Polymer Nanoparticles and Their Thermal Decomposition into Nanoporous Spinel Ferromagnetic Oxides. Chemistry - A European Journal, 2016, 22, 15042-15048.	3.3	10
102	Absorption dichroism of monolayer 1Tâ€²-MoTe ₂ in visible range. 2D Materials, 2016, 3, 031010.	4.4	32
103	Graphene-like holey Co3O4 nanosheets as a highly efficient catalyst for oxygen evolution reaction. Nano Energy, 2016, 30, 267-275.	16.0	179
104	Evaluation of persistent-mode operation in a superconducting MgB₂coil in solid nitrogen. Superconductor Science and Technology, 2016, 29, 04LT02.	3.5	24
105	CNTs grown on nanoporous carbon from zeolitic imidazolate frameworks for supercapacitors. Chemical Communications, 2016, 52, 13016-13019.	4.1	109
106	Electrochemical Property of Mesoporous Crystalline Iron Phosphonate Anode in Li-Ion Rechargeable Battery. Journal of Nanoscience and Nanotechnology, 2016, 16, 9180-9185.	0.9	5
107	Si/SiO_xâ€Conductive Polymer Coreâ€Shell Nanospheres with an Improved Conducting Path Preservation for Lithiumâ€Ion Battery. ChemSusChem, 2016, 9, 2754-2758.	6.8	42
108	Conductive polymers for next-generation energy storage systems: recent progress and new functions. Materials Horizons, 2016, 3, 517-535.	12.2	272

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109	First Synthesis of Continuous Mesoporous Copper Films with Uniformly Sized Pores by Electrochemical Soft Templating. Angewandte Chemie - International Edition, 2016, 55, 12746-12750.	13.8	50
110	First Synthesis of Continuous Mesoporous Copper Films with Uniformly Sized Pores by Electrochemical Soft Templating. Angewandte Chemie, 2016, 128, 12938-12942.	2.0	15
111	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. Nano Energy, 2016, 28, 232-240.	16.0	67
112	Rechargeable lithiumâ€“air batteries: a perspective on the development of oxygen electrodes. Journal of Materials Chemistry A, 2016, 4, 14050-14068.	10.3	155
113	Nanoarchitectures for Metalâ€“Organic Framework-Derived Nanoporous Carbons toward Supercapacitor Applications. Accounts of Chemical Research, 2016, 49, 2796-2806.	15.6	670
114	A Facile Approach for Constructing Conductive Polymer Patterns for Application in Electrochromic Devices and Flexible Microelectrodes. ACS Applied Materials & Interfaces, 2016, 8, 33175-33182.	8.0	40
115	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.	2.8	213
116	A new approach to a superconducting joining process for carbon-doped MgB₂conductor. Superconductor Science and Technology, 2016, 29, 095001.	3.5	19
117	Tunableâ€Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. Angewandte Chemie, 2016, 128, 10191-10195.	2.0	14
118	Tunableâ€Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. Angewandte Chemie - International Edition, 2016, 55, 10037-10041.	13.8	122
119	Deliberate Design of TiO₂ Nanostructures towards Superior Photovoltaic Cells. Chemistry - A European Journal, 2016, 22, 11357-11364.	3.3	25
120	Formation of mesopores inside platinum nanospheres by using double hydrophilic block copolymers. Materials Letters, 2016, 182, 190-193.	2.6	5
121	Bimetallic Metal-Organic Frameworks for Controlled Catalytic Graphitization of Nanoporous Carbons. Scientific Reports, 2016, 6, 30295.	3.3	314
122	Unique nanocrystalline frameworks in mesoporous tin phosphate prepared through a hydrofluoric acid assisted chemical reaction. Journal of Materials Chemistry A, 2016, 4, 18091-18099.	10.3	14
123	Improvement in the transport critical current density and microstructure of isotopic Mg11B2 monofilament wires by optimizing the sintering temperature. Scientific Reports, 2016, 6, 36660.	3.3	7
124	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.	3.3	43
125	Ultrahigh performance supercapacitors utilizing coreâ€“shell nanoarchitectures from a metalâ€“organic framework-derived nanoporous carbon and a conducting polymer. Chemical Science, 2016, 7, 5704-5713.	7.4	236
126	Electrospun Polyacrylonitrileâ€“Ionic Liquid Nanofibers for Superior PM_{2.5} Capture Capacity. ACS Applied Materials & Interfaces, 2016, 8, 7030-7036.	8.0	92

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127	Directional dependent piezoelectric effect in CVD grown monolayer MoS 2 for flexible piezoelectric nanogenerators. Nano Energy, 2016, 22, 483-489.	16.0	197
128	Controlled delivery of drugs adsorbed onto porous Fe 3 O 4 structures by application of AC/DC magnetic fields. Microporous and Mesoporous Materials, 2016, 226, 243-250.	4.4	27
129	The smallest quaternary ammonium salts with ether groups for high-performance electrochemical double layer capacitors. Chemical Science, 2016, 7, 1791-1796.	7.4	45
130	Magnesium diboride(MgB₂) wires for applications. Progress in Superconductivity and Cryogenics (PSAC), 2016, 18, 1-5.	0.3	2
131	Controlled Synthesis of Nanoporous Nickel Oxide with Twoâ€Dimensional Shapes through Thermal Decomposition of Metalâ€“Cyanide Hybrid Coordination Polymers. Chemistry - A European Journal, 2015, 21, 3509-3509.	3.3	2
132	Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes. Angewandte Chemie - International Edition, 2015, 54, 11073-11077.	13.8	160
133	Electrochemical Synthesis of Mesoporous Pt Nanowires with Highly Electrocatalytic Activity toward Methanol Oxidation Reaction. Electrochimica Acta, 2015, 183, 107-111.	5.2	22
134	Fish-scale bio-inspired multifunctional ZnO nanostructures. NPG Asia Materials, 2015, 7, e232-e232.	7.9	56
135	MgB₂superconducting joints for persistent current operation. Superconductor Science and Technology, 2015, 28, 065017.	3.5	18
136	Cover Picture: Controlled Synthesis of Nanoporous Nickel Oxide with Twoâ€Dimensional Shapes through Thermal Decomposition of Metalâ€“Cyanide Hybrid Coordination Polymers (Chem. Eur. J.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	0
137	N719- and D149-sensitized 3D hierarchical rutile TiO₂ solar cellsâ€”a comparative study. Physical Chemistry Chemical Physics, 2015, 17, 7208-7213.	2.8	21
138	The effect of surface passivation on the structure of sulphur-rich PbS colloidal quantum dots for photovoltaic application. Nanoscale, 2015, 7, 5706-5711.	5.6	39
139	Nanopatterned Textile-Based Wearable Triboelectric Nanogenerator. ACS Nano, 2015, 9, 3501-3509.	14.6	612
140	Mesoporous Iron Phosphonate Electrodes with Crystalline Frameworks for Lithium-Ion Batteries. Chemistry of Materials, 2015, 27, 1082-1089.	6.7	138
141	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.	10.3	35
142	A Bi-layer TiO₂ photoanode for highly durable, flexible dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 4679-4686.	10.3	27
143	Controlled Synthesis of Nanoporous Nickel Oxide with Twoâ€Dimensional Shapes through Thermal Decomposition of Metalâ€“Cyanide Hybrid Coordination Polymers. Chemistry - A European Journal, 2015, 21, 3605-3612.	3.3	64
144	A Highly Resilient Mesoporous SiO_x Lithium Storage Material Engineered by Oilâ€“Water Templating. ChemSusChem, 2015, 8, 688-694.	6.8	45

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145	One-dimensional manganese-cobalt oxide nanofibres as bi-functional cathode catalysts for rechargeable metal-air batteries. Scientific Reports, 2015, 5, 7665.	3.3	86
146	Magnetic nanoparticles for â€œsmart liposomesâ€• European Biophysics Journal, 2015, 44, 647-654.	2.2	23
147	Phase patterning for ohmic homojunction contact in MoTe ₂. Science, 2015, 349, 625-628.	12.6	918
148	Shape-controlled synthesis of mesoporous iron phosphate materials with crystallized frameworks. Chemical Communications, 2015, 51, 13806-13809.	4.1	20
149	A technology review of electrodes and reaction mechanisms in vanadium redox flow batteries. Journal of Materials Chemistry A, 2015, 3, 16913-16933.	10.3	565
150	Carbon doping induced imperfections on MgB2 superconducting wire. Journal of Analytical Science and Technology, 2015, 6, .	2.1	20
151	Control of core structure in MgB2 wire through tailoring boron powder. Journal of Alloys and Compounds, 2015, 636, 29-33.	5.5	12
152	Correlation between in-field Jc enhancement and grain connectivity in co-doped MgB2 superconductor. Materials Letters, 2015, 139, 333-335.	2.6	16
153	Asymmetric Supercapacitors Using 3D Nanoporous Carbon and Cobalt Oxide Electrodes Synthesized from a Single Metalâ€“Organic Framework. ACS Nano, 2015, 9, 6288-6296.	14.6	890
154	Rational design of coaxial structured carbon nanotubeâ€“manganese oxide (CNTâ€“MnO₂) for energy storage application. Nanotechnology, 2015, 26, 204004.	2.6	55
155	Fabrication of Asymmetric Supercapacitors Based on Coordination Polymer Derived Nanoporous Materials. Electrochimica Acta, 2015, 183, 94-99.	5.2	24
156	Bandgap opening in few-layered monoclinic MoTe2. Nature Physics, 2015, 11, 482-486.	16.7	800
157	Two-step self-assembly of hierarchically-ordered nanostructures. Journal of Materials Chemistry A, 2015, 3, 11688-11699.	10.3	51
158	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.	5.2	7
159	Significantly enhanced critical current density in nano-MgB₂grains rapidly formed at low temperature with homogeneous carbon doping. Superconductor Science and Technology, 2015, 28, 055005.	3.5	21
160	Surfaceâ€Tunable Bioluminescence Resonance Energy Transfer via Geometryâ€Controlled ZnO Nanorod Coordination. Small, 2015, 11, 3469-3475.	10.0	4
161	Electrospun manganeseâ€“cobalt oxide hollow nanofibres synthesized via combustion reactions and their lithium storage performance. Nanoscale, 2015, 7, 8351-8355.	5.6	111
162	Incorporation of conductive polymer into soft carbon electrodes for lithium ion capacitors. Journal of Power Sources, 2015, 299, 49-56.	7.8	26

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163	Improved transport critical current properties in glycerin-doped MgB2 wire using milled boron powder and a solid-state reaction of 600ÂÂ°C. Journal of Alloys and Compounds, 2015, 650, 794-798.	5.5	14
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