Junwu Zhu

List of Publications by Year
in descending order

199 papers	15,168 citations	23567 58 h-index	19190 118 g-index
202 all docs	202 docs citations	202 times ranked	18400 citing authors

#	Article	IF	Citations
1	The construction of hierarchical hollow Double-Shelled Co3O4 for the enhanced thermal decomposition of Ammonium perchlorate. Applied Surface Science, 2022, 571, 151342.	6.1	21
2	PtRu alloy nanoparticles embedded on C2N nanosheets for efficient hydrogen evolution reaction in both acidic and alkaline solutions. Chemical Engineering Journal, 2022, 428, 131085.	12.7	19
3	Hydrothermal ion exchange synthesis of CoM(M=Fe or Mn)/MXene 2D/2D hierarchal architectures for enhanced energy storage. Journal of Alloys and Compounds, 2022, 894, 162385.	5.5	15
4	Poly (triazine imide) ligand based 2D metal coordination polymers: Design, synthesis and application in electrocatalytic water oxidation. Electrochimica Acta, 2022, 401, 139463.	5.2	7
5	Stabilizing Layered Structure in Aqueous Electrolyte via Dynamic Water Intercalation/Deintercalation. Advanced Materials, 2022, 34, e2108541.	21.0	22
6	Self-Assembly of Ir-Based Nanosheets with Ordered Interlayer Space for Enhanced Electrocatalytic Water Oxidation. Journal of the American Chemical Society, 2022, 144, 2208-2217.	13.7	103
7	Dualâ€Ion Flux Management for Stable High Areal Capacity Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2022, 12, .	19.5	14
8	Batteryâ€Driven N₂ Electrolysis Enabled by Highâ€Entropy Catalysts: From Theoretical Prediction to Prototype Model. Small, 2022, 18, e2106358.	10.0	32
9	Precursor-modified strategy to synthesize thin porous amino-rich graphitic carbon nitride with enhanced photocatalytic degradation of RhB and hydrogen evolution performances. Chinese Journal of Catalysis, 2022, 43, 497-506.	14.0	16
10	Copper Azide Nanoparticleâ€Encapsulating MOFâ€Derived Porous Carbon: Electrochemical Preparation for Highâ€Performance Primary Explosive Film. Small, 2022, 18, e2107364.	10.0	18
11	Particle-based hematite crystallization is invariant to initial particle morphology. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112679119.	7.1	9
12	Regulating the transformation behavior of nickel iron metalâ€“organic frameworks through a dual-ligand strategy for enhanced oxygen evolution reaction performance. Applied Surface Science, 2022, 592, 153252.	6.1	18
13	Largeâ€Area Nanosphere Selfâ€Assembly Monolayers for Periodic Surface Nanostructures with Ultrasensitive and Spatially Uniform SERS Sensing. Small, 2022, 18, e2104202.	10.0	24
14	Loofah-like carbon nitride sponge towards the highly-efficient photocatalytic transfer hydrogenation of nitrophenols with water as the hydrogen source. Chemical Engineering Journal, 2022, 444, 136430.	12.7	12
15	Gradient Supramolecular Preorganization Endows the Derived N/P Dual-Doped Carbon Nanosheets with Tunable Storage Performance toward Sodium-Ion Batteries. Industrial & Engineering Chemistry Research, 2022, 61, 6997-7008.	3.7	4
16	A permselective and multifunctional 3D N-doped carbon nanotubes interlayer for high-performance lithium-sulfur batteries. Electrochimica Acta, 2022, 421, 140430.	5.2	15
17	Boosting Alkaline Hydrogen Evolution on Stoichiometric Molybdenum Carbonitride via an Interstitial Vacancyâ€Elimination Strategy. Advanced Energy Materials, 2022, 12, .	19.5	21
18	Energetic properties of copper azide nanoparticles encapsulated within a conductive porous matrix via electrosynthesis. Chemical Engineering Journal, 2022, 450, 138131.	12.7	11

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19	Microwave selective heating ultrafast construction of coral-like TiO2-MXene /graphene hybrid architectures for high-performance lithium-ion battery. Journal of Power Sources, 2022, 542, 231738.	7.8	7
20	Identifying electrocatalytic activity and mechanism of Ce1/3NbO3 perovskite for nitrogen reduction to ammonia at ambient conditions. Applied Catalysis B: Environmental, 2021, 280, 119419.	20.2	60
21	MXene-based porous and robust 2D/2D hybrid architectures with dispersed Li3Ti2(PO4)3 as superior anodes for lithium-ion battery. Chemical Engineering Journal, 2021, 405, 127049.	12.7	31
22	Recent development and applications of electrical conductive MOFs. Nanoscale, 2021, 13, 485-509.	5.6	95
23	Band Engineering and Morphology Control of Oxygen-Incorporated Graphitic Carbon Nitride Porous Nanosheets for Highly Efficient Photocatalytic Hydrogen Evolution. Nano-Micro Letters, 2021, 13, 48.	27.0	43
24	Strong Chemical Interaction between Lithium Polysulfides and Flameâ€Retardant Polyphosphazene for Lithiumâ€“Sulfur Batteries with Enhanced Safety and Electrochemical Performance. Advanced Materials, 2021, 33, e2007549.	21.0	93
25	Spinel-type FeNi₂S₄ with rich sulfur vacancies grown on reduced graphene oxide toward enhanced supercapacitive performance. Inorganic Chemistry Frontiers, 2021, 8, 2271-2279.	6.0	48
26	Evidence of oxygen bubbles forming nanotube embryos in porous anodic oxides. Nanoscale Advances, 2021, 3, 4659-4668.	4.6	42
27	Fabrication of cubic Co3O4-hexagonal ZnO disk/rGO as a two-phase benzaldehyde sensor via a sequential nucleation strategy. Sensors and Actuators B: Chemical, 2021, 330, 129384.	7.8	11
28	Ingenious construction of hierarchical spherical nanostructures by in-situ confining Niâ€“Coâ€“Mn hydroxide nanosheets inside/outside hollow carbon nanospheres for high-performance hybrid supercapacitors. Journal of Energy Storage, 2021, 36, 102380.	8.1	17
29	Efficient Twoâ€Electron Oxygen Reduction to Hydrogen Peroxide Promoted by Agâ€7,7,8,8â€Tetracyanoquinodimethane Nanodots/Graphene Hydrogel Hybrid Electrocatalysts. ChemistrySelect, 2021, 6, 6450-6453.	1.5	3
30	Atomic-scale regulation of anionic and cationic migration in alkali metal batteries. Nature Communications, 2021, 12, 4184.	12.8	57
31	Construction of triple-shelled hollow nanostructure by confining amorphous Ni-Co-S/crystalline MnS on/in hollow carbon nanospheres for all-solid-state hybrid supercapacitors. Chemical Engineering Journal, 2021, 416, 129500.	12.7	60
32	Facet Engineering in Ultrathin Two-Dimensional NiFe Metalâ€“Organic Frameworks by Coordination Modulation for Enhanced Electrocatalytic Water Oxidation. ACS Sustainable Chemistry and Engineering, 2021, 9, 10892-10901.	6.7	34
33	Biomimetic assembly to superplastic metalâ€“organic framework aerogels for hydrogen evolution from seawater electrolysis. Exploration, 2021, 1, 217.	11.0	59
34	Fluorescent nucleotide-lanthanide nanoparticles for highly selective determination of picric acid. Mikrochimica Acta, 2021, 188, 18.	5.0	6
35	Molecular Examination of Ion-Pair Competition in Alkaline Aluminate Solutions Using In Situ Liquid SIMS. Analytical Chemistry, 2021, 93, 1068-1075.	6.5	6
36	Covalently Induced Grafting of C₂N Nanoflakes onto Reduced Graphene Oxide with Dominant Pseudocapacitive Behaviors for a High-Rate Sodium-Ion Battery Anode. ACS Sustainable Chemistry and Engineering, 2021, 9, 15946-15956.	6.7	4

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37	Recent advances in the heteroatom doping of perovskite oxides for efficient electrocatalytic reactions. Nanoscale, 2021, 13, 19840-19856.	5.6	36
38	Sacrificial Template Synthesis of Two-Dimensional Few-Layer MoSe₂ Coupled with Nitrogen-Doped Carbon Sheets for High-Performance Sodium Ion Hybrid Capacitors. ACS Applied Energy Materials, 2021, 4, 14735-14745.	5.1	6
39	Ultrathin two-dimensional Ï€â€“d conjugated coordination polymer Co₃(hexaaminobenzene)₂ nanosheets for highly efficient oxygen evolution. Journal of Materials Chemistry A, 2020, 8, 369-379.	10.3	50
40	Pressure difference-induced synthesis of P-doped carbon nanobowls for high-performance supercapacitors. Chemical Engineering Journal, 2020, 385, 123858.	12.7	60
41	Phosphorous/oxygen co-doped mesoporous carbon bowls as sulfur host for high performance lithium-sulfur batteries. Journal of Power Sources, 2020, 450, 227658.	7.8	25
42	Two-Dimensional Molecular Sheets of Transition Metal Oxides toward Wearable Energy Storage. Accounts of Chemical Research, 2020, 53, 2443-2455.	15.6	25
43	Quantitative Analysis of Oxide Growth During Ti Galvanostatic Anodization. Journal of the Electrochemical Society, 2020, 167, 113501.	2.9	27
44	Debunking the effect of water content on anodizing current: Evidence against the traditional dissolution theory. Electrochemistry Communications, 2020, 119, 106815.	4.7	35
45	Gas expansion-assisted preparation of 3D porous carbon nanosheet for high-performance sodium ion hybrid capacitor. Journal of Power Sources, 2020, 475, 228679.	7.8	34
46	Perfluoroalkyl-Functionalized Covalent Organic Frameworks with Superhydrophobicity for Anhydrous Proton Conduction. Journal of the American Chemical Society, 2020, 142, 14357-14364.	13.7	167
47	Two-dimensional organicâ€“inorganic superlattice-like heterostructures for energy storage applications. Energy and Environmental Science, 2020, 13, 4834-4853.	30.8	64
48	Rotated angular modulated electronic and optical properties of bilayer phosphorene: A first-principles study. Applied Physics Letters, 2020, 117, .	3.3	10
49	Two-Dimensional Nanomesh Arrays as Bifunctional Catalysts for N₂ Electrolysis. ACS Catalysis, 2020, 10, 11371-11379.	11.2	55
50	Task-Specific Synthesis of 3D Porous Carbon Nitrides from the Cycloaddition Reaction and Sequential Self-Assembly Strategy toward Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2020, 12, 40433-40442.	8.0	33
51	Dynamic Transformation between Covalent Organic Frameworks and Discrete Organic Cages. Journal of the American Chemical Society, 2020, 142, 21279-21284.	13.7	54
52	Beneficial restacking of 2D nanomaterials for electrocatalysis: a case of MoS₂ membranes. Chemical Communications, 2020, 56, 7005-7008.	4.1	20
53	TiO2 nanotube arrays with a volume expansion factor greater than 2.0: Evidence against the field-assisted ejection theory. Electrochemistry Communications, 2020, 114, 106717.	4.7	82
54	Dense films formed during Ti anodization in NH4F electrolyte: Evidence against the field-assisted dissolution reactions of fluoride ions. Electrochemistry Communications, 2020, 111, 106663.	4.7	95

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55	General synthesis strategy for hollow porous prismatic graphitic carbon nitride: a high-performance photocatalyst for H2 production and degradation of RhB. Journal of Materials Science, 2020, 55, 6037-6050.	3.7	15
56	Sustainable Electrosynthesis of Porous CuN₃ Films for Functional Energetic Chips. ACS Sustainable Chemistry and Engineering, 2020, 8, 3969-3975.	6.7	44
57	Growth Model of the Tin Anodizing Process and the Capacitive Performance of Porous Tin Oxides. Journal of Physical Chemistry C, 2020, 124, 3050-3058.	3.1	12
58	Iron-Cluster-Directed Synthesis of 2D/2D Feâ€“Nâ€“C/MXene Superlattice-like Heterostructure with Enhanced Oxygen Reduction Electrocatalysis. ACS Nano, 2020, 14, 2436-2444.	14.6	130
59	Unique hollow-concave CoMoSx boxes with abundant mesoporous structure for high-performance hybrid supercapacitors. Electrochimica Acta, 2020, 337, 135824.	5.2	14
60	DFT coupled with NEGF study of the electronic properties and ballistic transport performances of 2D SbSiTe₃. Nanoscale, 2020, 12, 9958-9963.	5.6	11
61	Hierarchically Structured Twoâ€Dimensional Bimetallic CoNiâ€Hexaaminobenzene Coordination Polymers Derived from Co(OH)₂ for Enhanced Oxygen Evolution Catalysis. Small, 2020, 16, e1907043.	10.0	32
62	Switchable encapsulation of polysulfides in the transition between sulfur and lithium sulfide. Nature Communications, 2020, 11, 845.	12.8	92
63	Salt-Assisted Synthesis of 3D Porous g-C₃N₄ as a Bifunctional Photo- and Electrocatalyst. ACS Applied Materials & Interfaces, 2019, 11, 27226-27232.	8.0	89
64	A safe and efficient liquid-solid synthesis for copper azide films with excellent electrostatic stability. Nano Energy, 2019, 66, 104135.	16.0	56
65	Hexagonal prism arrays constructed using ultrathin porous nanoflakes of carbon doped mixed-valence Coâ€“Mnâ€“Fe phosphides for ultrahigh areal capacitance and remarkable cycling stability. Journal of Materials Chemistry A, 2019, 7, 4431-4437.	10.3	34
66	2D/2D heterostructures of nickel molybdate and MXene with strong coupled synergistic effect towards enhanced supercapacitor performance. Journal of Power Sources, 2019, 414, 540-546.	7.8	83
67	Scalable synthesis of a foam-like FeS₂ nanostructure by a solution combustionâ€“sulfurization process for high-capacity sodium-ion batteries. Nanoscale, 2019, 11, 178-184.	5.6	40
68	Grinding-assistant synthesis to basic bismuth nitrates and their photocatalytic properties. Materials Science in Semiconductor Processing, 2019, 101, 183-190.	4.0	10
69	Labyrinth-inspired nitrogen-sulfur co-doped reduced holey graphene oxide/carbonized cellulose paper: A permselective and multifunctional interlayer for high-performance lithium-sulfur batteries. Journal of Power Sources, 2019, 434, 226728.	7.8	39
70	Catalytic hydrogenation of p-nitrophenol using a metal-free catalyst of porous crimped graphitic carbon nitride. Applied Surface Science, 2019, 480, 888-895.	6.1	41
71	Partial decomposition of NaBiO3 to Î´-Bi2O3/NaBiO3 and Î±-Bi2O3/NaBiO3 heterojunctions in aqueous HAc solution respectively with good adsorption ability and photocatalytic performance. Materials Chemistry and Physics, 2019, 229, 6-14.	4.0	12
72	In-situ synthesis of MnCo2O4.5 nanosheets on reduced graphene oxide for a great promotion in the thermal decomposition of ammonium perchlorate. Applied Surface Science, 2019, 483, 496-505.	6.1	63

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73	MnO2 based sandwich structure electrode for supercapacitor with large voltage window and high mass loading. Chemical Engineering Journal, 2019, 368, 525-532.	12.7	72
74	Two-dimensional transition metal diborides: promising Dirac electrocatalysts with large reaction regions toward efficient N₂ fixation. Journal of Materials Chemistry A, 2019, 7, 25887-25893.	10.3	45
75	Rambutanâ€Like Hybrid Hollow Spheres of Carbon Confined Co₃O₄ Nanoparticles as Advanced Anode Materials for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2019, 29, 1807377.	14.9	89
76	Ultrathin sheetlike BiOAc0.67I0.33 solid solution with optimal energy levels and enhanced visible-light photocatalytic activity. Catalysis Communications, 2019, 119, 82-85.	3.3	8
77	2D Fe-containing cobalt phosphide/cobalt oxide lateral heterostructure with enhanced activity for oxygen evolution reaction. Nano Energy, 2019, 56, 109-117.	16.0	223
78	Fe₃O₄-CoP_x Nanoflowers Vertically Grown on TiN Nanoarrays as Efficient and Stable Electrocatalysts for Overall Water Splitting. ACS Applied Nano Materials, 2019, 2, 40-47.	5.0	34
79	An in situ annealing route to [Bi6O6(OH)2](NO3)4Â·2H2O/g-C3N4 heterojunction and its visible-light-driven photocatalytic performance. Materials Research Bulletin, 2018, 101, 272-279.	5.2	15
80	Yolkâ€“shell-structured MnO₂ microspheres with oxygen vacancies for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 1601-1611.	10.3	135
81	Ultrathin molybdenum disulfide/carbon nitride nanosheets with abundant active sites for enhanced hydrogen evolution. Nanoscale, 2018, 10, 1766-1773.	5.6	57
82	Surface pore-containing NiCo2O4 nanobelts with preferred (311) plane supported on reduced graphene oxide: A high-performance anode material for lithium-ion batteries. Electrochimica Acta, 2018, 271, 137-145.	5.2	38
83	Design and fabrication of highly open nickel cobalt sulfide nanosheets on Ni foam for asymmetric supercapacitors with high energy density and long cycle-life. Journal of Power Sources, 2018, 378, 31-39.	7.8	115
84	The enhanced adhesion between overlong TiNxOy/MnO2 nanoarrays and Ti substrate: Towards flexible supercapacitors with high energy density and long service life. Nano Energy, 2018, 43, 91-102.	16.0	48
85	Metal-Cluster-Directed Surface Charge Manipulation of Two-Dimensional Nanomaterials for Efficient Urea Electrocatalytic Conversion. ACS Applied Nano Materials, 2018, 1, 6649-6655.	5.0	11
86	CoSe₂-Decorated NbSe₂ Nanosheets Fabricated via Cation Exchange for Li Storage. ACS Applied Materials & Interfaces, 2018, 10, 37773-37778.	8.0	18
87	Hollow mesoporous carbon spheres enwrapped by small-sized and ultrathin nickel hydroxide nanosheets for high-performance hybrid supercapacitors. Journal of Power Sources, 2018, 402, 43-52.	7.8	44
88	A facile solvent regulated method for phase control of two-dimensional nickel-cobalt hydroxide nanosheets: Towards improved performance hybrid supercapacitors. Materials Chemistry and Physics, 2018, 218, 172-181.	4.0	13
89	Millingâ€Induced Synthesis of BiOCl_{1â€x}Br_x Solid Solution and Their Adsorptive and Photocatalytic Performance. Photochemistry and Photobiology, 2018, 94, 942-954.	2.5	12
90	Synthesis of nanosheet-based hierarchical BiO2 microtubes and its photocatalytic performance. Applied Surface Science, 2018, 455, 616-621.	6.1	26

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91	Biomass-derived C/N co-doped Ni(OH)₂/Ni_xS_y with a sandwich structure for supercapacitors. Journal of Materials Chemistry A, 2018, 6, 17417-17425.	10.3	37
92	An ion exchange strategy to BiOI/CH3COO(BiO) heterojunction with enhanced visible-light photocatalytic activity. Applied Surface Science, 2017, 403, 103-111.	6.1	30
93	Synthesis of Unique Flowerlike Bi₂O₂(OH)(NO₃) Hierarchical Microstructures with High Surface Area and Superior Photocatalytic Performance. Chemistry - A European Journal, 2017, 23, 3891-3897.	3.3	47
94	Room-temperature synthesis of BiOCl and (BiO) 2 CO 3 with predominant {001} facets induced by urea and their photocatalytic performance. Journal of Environmental Chemical Engineering, 2017, 5, 987-994.	6.7	15
95	Highâ€Performance 2.6 V Aqueous Asymmetric Supercapacitors based on In Situ Formed Na_{0.5}MnO₂ Nanosheet Assembled Nanowall Arrays. Advanced Materials, 2017, 29, 1700804.	21.0	526
96	Two basic bismuth nitrates: [Bi6O6(OH)2](NO3)4Â· 2H2O with superior photodegradation activity for rhodamine B and [Bi6O5(OH)3](NO3)5Â· 3H2O with ultrahigh adsorption capacity for methyl orange. Applied Surface Science, 2017, 422, 283-294.	6.1	35
97	One-pot synthesis of 3D hierarchical Bi 2 S 3 /(BiO) 2 CO 3 hollow microspheres at room temperature and their photocatalytic performance. Materials Chemistry and Physics, 2017, 187, 72-81.	4.0	19
98	Construction of N-doped carbon@MoSe2 core/branch nanostructure via simultaneous formation of core and branch for high-performance lithium-ion batteries. Electrochimica Acta, 2017, 256, 19-27.	5.2	32
99	NbS₂ Nanosheets with M/Se (M = Fe, Co, Ni) Codopants for Li⁺ and Na⁺ Storage. ACS Nano, 2017, 11, 10599-10607.	14.6	95
100	From understanding the formation mechanism to enhanced supercapacitor performance of VSB-5 with a hierarchical structure. Journal of Materials Chemistry A, 2017, 5, 16898-16906.	10.3	11
101	Carbon-Induced Generation of Hierarchical Structured Ni_{0.75}Co_{0.25}(CO₃</sub>)_{0.125}(OH)₂ for Enhanced Supercapacitor Performance. ACS Applied Materials & Interfaces, 2017, 9, 44441-44451.	8.0	39
102	One-step solvothermal synthesis of spherical spinel type NiFe2â^'xMnxO4-RGO as high-performance supercapacitor electrodes. Ceramics International, 2017, 43, 2226-2232.	4.8	14
103	Enhanced electrochemical properties of pseudocapacitor with Bi3.64Mo0.36O6.55 NPs as electrodes. Journal of Solid State Electrochemistry, 2017, 21, 403-408.	2.5	10
104	Reduction of nitrophenols to aminophenols under concerted catalysis by Au/g-C3N4 contact system. Applied Catalysis B: Environmental, 2017, 202, 430-437.	20.2	253
105	A facile and rapid room-temperature route to hierarchical bismuth oxyhalide solid solutions with composition-dependent photocatalytic activity. Journal of Colloid and Interface Science, 2016, 477, 25-33.	9.4	27
106	Effect of the counter ions on composition and morphology of bismuth oxyhalides and their photocatalytic performance. Chemical Engineering Journal, 2016, 299, 217-226.	12.7	48
107	High capacity supercapacitor material based on reduced graphene oxide loading mesoporpus murdochite-type Ni 6 MnO 8 nanospheres. Electrochimica Acta, 2016, 219, 284-294.	5.2	22
108	Mesoporous transition metal oxides quasi-nanospheres with enhanced electrochemical properties for supercapacitor applications. Journal of Colloid and Interface Science, 2016, 483, 73-83.	9.4	35

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109	Self-assembly of (NH4)0.3TiO1.1F2.1 crystal by dinitrogen fixation as a precursor of N-doped TiO2 nanosheets. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	3
110	Cobalt Sulfide/Graphene Composite Hydrogel as Electrode for High-Performance Pseudocapacitors. Scientific Reports, 2016, 6, 21717.	3.3	105
111	Oneâ€Step Synthesis of Bi₂S₃/BiOX and Bi₂S₃/(BiO)₂CO₃ Heterojunction Photocatalysts by Using Aqueous Thiourea Solution as Both Solvent and Sulfur Source. ChemistrySelect, 2016, 1, 6136-6145.	1.5	9
112	A simple grinding-calcination approach to prepare the Co₃O₄â€“In₂O₃ heterojunction structure with high-performance gas-sensing property toward ethanol. RSC Advances, 2016, 6, 105262-105269.	3.6	17
113	Graphene-based cobalt sulfide composite hydrogel with enhanced electrochemical properties for supercapacitors. New Journal of Chemistry, 2016, 40, 2843-2849.	2.8	49
114	Recent advances in graphene-based hybrid nanostructures for electrochemical energy storage. Nanoscale Horizons, 2016, 1, 340-374.	8.0	92
115	Self-standing porous LiMn 2 O 4 nanowall arrays as promising cathodes for advanced 3D microbatteries and flexible lithium-ion batteries. Nano Energy, 2016, 22, 475-482.	16.0	166
116	Halogen-directed nucleation and growth of Bi 2 O 3 columnar hierarchitectures. Materials Research Bulletin, 2016, 76, 222-228.	5.2	14
117	Well-dispersed ultrafine nitrogen-doped TiO 2 with polyvinylpyrrolidone (PVP) acted as N-source and stabilizer for water splitting. Journal of Energy Chemistry, 2016, 25, 1-9.	12.9	28
118	Synthesis of Î´-Bi2O3 microflowers and nanosheets using CH3COO(BiO) self-sacrifice precursor. Materials Letters, 2016, 162, 218-221.	2.6	47
119	A controllable synthetic route for preparing graphene-Cu and graphene-Cu2O nanocomposites using graphene oxide-Cuo as a precursor. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 947-950.	1.0	1
120	Synthesis of ZnOâ€“Ag Hybrids and Their Gas-Sensing Performance toward Ethanol. Industrial & Engineering Chemistry Research, 2015, 54, 8947-8953.	3.7	70
121	Synthesis of CdS multipods from cadmium xanthate in ethylenediamine solution. Particuology, 2015, 19, 45-52.	3.6	7
122	Synthesis of Î±-Fe2O3 with the aid of graphene and its gas-sensing property to ethanol. Ceramics International, 2015, 41, 6978-6984.	4.8	18
123	Recent advances on multi-component hybrid nanostructures for electrochemical capacitors. Journal of Power Sources, 2015, 294, 31-50.	7.8	107
124	Ag/g-C₃N₄catalyst with superior catalytic performance for the degradation of dyes: a borohydride-generated superoxide radical approach. Nanoscale, 2015, 7, 13723-13733.	5.6	216
125	In situ fabrication of novel Z-scheme Bi 2 WO 6 quantum dots/g-C 3 N 4 ultrathin nanosheets heterostructures with improved photocatalytic activity. Applied Surface Science, 2015, 355, 379-387.	6.1	141
126	Optimizing Hybridization of 1T and 2H Phases in MoS₂Monolayers to Improve Capacitances of Supercapacitors. Materials Research Letters, 2015, 3, 177-183.	8.7	149

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127	Preparing Bi₁₂SiO₂₀ crystals at low temperature through nontopotactic solid-state transformation and improving its photocatalytic activity by etching. Journal of Materials Chemistry A, 2015, 3, 7413-7421.	10.3	44
128	Controlled synthesis of bismuth-containing compounds (Î±-, Î²- and Î´-Bi₂O₃,) Tj ETQq0 0 0 rgBT /Overlock 10 and their photocatalytic performance. CrystEngComm, 2015, 17, 9185-9192.	2.6	44
129	Deposition of cocoon-like ZnO on graphene sheets for improving gas-sensing properties to ethanol. Applied Surface Science, 2015, 357, 1593-1600.	6.1	34
130	One-pot hydrothermal route to synthesize the ZnIn2S4/g-C3N4 composites with enhanced photocatalytic activity. Journal of Materials Science, 2015, 50, 8142-8152.	3.7	56
131	Three-dimensional nickel hydroxide/graphene composite hydrogels and their transformation to NiO/graphene composites for energy storage. Journal of Materials Chemistry A, 2015, 3, 21682-21689.	10.3	29
132	Synthesis of egg-tart shaped Bi2O2CO3 hierarchical nanostructures from single precursor and its photocatalytic performance. Materials Letters, 2015, 138, 235-237.	2.6	24
133	Highly efficient removal of aqueous chromate and organic dyes by ultralong HCOOBiO nanowires. Chemical Engineering Journal, 2015, 262, 169-178.	12.7	42
134	Preparation of Copper-Embedded Graphene Nanocomposites for Catalytic Hydroxylation of Benzene to Phenol. Current Organic Chemistry, 2015, 18, 3136-3140.	1.6	9
135	Enhanced photo-electrochemical performances of graphene-based composite functionalized by Zn2+ tetraphenylporphyrin. Applied Surface Science, 2014, 321, 404-411.	6.1	14
136	Reduced graphene oxide decorated with CuOâ€“ZnO hetero-junctions: towards high selective gas-sensing property to acetone. Journal of Materials Chemistry A, 2014, 2, 18635-18643.	10.3	150
137	Fabrication of Î±-Fe2O3@graphene nanostructures for enhanced gas-sensing property to ethanol. Applied Surface Science, 2014, 292, 278-284.	6.1	85
138	Ultrafine silver nanoparticles obtained from ethylene glycol at room temperature: catalyzed by tungstate ions. Dalton Transactions, 2014, 43, 132-137.	3.3	34
139	Synthesis of Bi nanowire networks and their superior photocatalytic activity for Cr(<scp>vi</scp>) reduction. Nanoscale, 2014, 6, 10062-10070.	5.6	57
140	Covalently coupled hybrid of graphitic carbon nitride with reduced graphene oxide as a superior performance lithium-ion battery anode. Nanoscale, 2014, 6, 12555-12564.	5.6	194
141	Synthesis of Bi2O3 architectures in DMFâ€“H2O solution by precipitation method and their photocatalytic activity. Journal of Alloys and Compounds, 2014, 614, 353-359.	5.5	36
142	Ternary manganese ferrite/graphene/polyaniline nanostructure with enhanced electrochemical capacitance performance. Journal of Power Sources, 2014, 266, 384-392.	7.8	169
143	Synthesis of Cu-Fe3O4@graphene composite: A magnetically separable and efficient catalyst for the reduction of 4-nitrophenol. Materials Research Bulletin, 2014, 57, 190-196.	5.2	65
144	A Facile Hydrothermal Synthesis of a MnCo2O4@Reduced Graphene Oxide Nanocomposite for Application in Supercapacitors. Chemistry Letters, 2014, 43, 83-85.	1.3	45

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145	KLn₂Ti₃O_{9Â·5}(Lnâ€Š=â€ŠLa, Nd, Sm, Gd, Dy): new family of layered perovskite oxides. Advances in Applied Ceramics, 2014, 113, 189-192.	1.1	0
146	Graphene-based 3D composite hydrogel by anchoring Co3O4 nanoparticles with enhanced electrochemical properties. Physical Chemistry Chemical Physics, 2013, 15, 12940.	2.8	89
147	Dynamic electrosorption analysis: a viable liquid-phase characterization method for porous carbon?. Journal of Materials Chemistry A, 2013, 1, 9332.	10.3	8
148	Dynamic Electrosorption Analysis as an Effective Means to Characterise the Structure of Bulk Graphene Assemblies. Chemistry - A European Journal, 2013, 19, 3082-3089.	3.3	17
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