Dianzeng Jia

List of Publications by Year
in descending order

183 papers	6,321 citations	66343 42 h-index	98798 67 g-index
185 all docs	185 docs citations	185 times ranked	8109 citing authors

#	Article	IF	Citations
1	Overall water splitting by graphdiyne-exfoliated and -sandwiched layered double-hydroxide nanosheet arrays. Nature Communications, 2018, 9, 5309.	12.8	287
2	Brâ€Doped Li₄Ti₅O₁₂ and Composite TiO₂ Anodes for Liâ€ion Batteries: Synchrotron Xâ€Ray and in situ Neutron Diffraction Studies. Advanced Functional Materials, 2011, 21, 3990-3997.	14.9	157
3	Ultramicroporous Carbons Puzzled by Graphene Quantum Dots: Integrated High Gravimetric, Volumetric, and Areal Capacitances for Supercapacitors. Advanced Functional Materials, 2018, 28, 1805898.	14.9	152
4	Boosting the supercapacitor performance of activated carbon by constructing overall conductive networks using graphene quantum dots. Journal of Materials Chemistry A, 2019, 7, 6021-6027.	10.3	145
5	Heteroatom-doped graphene as electrocatalysts for air cathodes. Materials Horizons, 2017, 4, 7-19.	12.2	142
6	Hydrothermal synthesis of nitrogen-doped graphene hydrogels using amino acids with different acidities as doping agents. Journal of Materials Chemistry A, 2014, 2, 8352-8361.	10.3	141
7	Solvent-Free Chemical Approach to Synthesize Various Morphological Co₃O₄ for CO Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 16128-16137.	8.0	136
8	Mechanically triggered reversible stepwise tricolor switching and thermochromism of anthracene-o-carborane dyad. Chemical Science, 2018, 9, 5270-5277.	7.4	134
9	Decoration of Silica Nanoparticles on Polypropylene Separator for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 7499-7504.	8.0	129
10	Coal based activated carbon nanofibers prepared by electrospinning. Journal of Materials Chemistry A, 2014, 2, 9338-9344.	10.3	122
11	Interlayer expanded MoS 2 enabled by edge effect of graphene nanoribbons for high performance lithium and sodium ion batteries. Carbon, 2016, 109, 461-471.	10.3	114
12	Multifunctional Singleâ€Crystallized Carbonate Hydroxides as Highly Efficient Electrocatalyst for Full Water splitting. Advanced Energy Materials, 2018, 8, 1800175.	19.5	101
13	B/N-Codoped Carbon Nanosheets Derived from the Self-Assembly of Chitosanâ€“Amino Acid Gels for Greatly Improved Supercapacitor Performances. ACS Applied Materials & Interfaces, 2020, 12, 18692-18704.	8.0	98
14	Carbon materials for high mass-loading supercapacitors: filling the gap between new materials and practical applications. Journal of Materials Chemistry A, 2020, 8, 21930-21946.	10.3	94
15	Metalâ€“Organic-Framework-Derived Hollow CoS_x@MoS₂ Microcubes as Superior Bifunctional Electrocatalysts for Hydrogen Evolution and Oxygen Evolution Reactions. ACS Sustainable Chemistry and Engineering, 2018, 6, 12961-12968.	6.7	89
16	Super high-rate, long cycle life of europium-modified, carbon-coated, hierarchical mesoporous lithium-titanate anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 9949-9957.	10.3	86
17	Grapheneâ€“V2O5Â·nH2O xerogel composite cathodes for lithium ion batteries. RSC Advances, 2011, 1, 690.	3.6	84
18	Effective promoting piezocatalytic property of zinc oxide for degradation of organic pollutants and insight into piezocatalytic mechanism. Journal of Colloid and Interface Science, 2020, 577, 290-299.	9.4	84

#	Article	IF	Citations
19	Coal-Based Hierarchical Porous Carbon Synthesized with a Soluble Salt Self-Assembly-Assisted Method for High Performance Supercapacitors and Li-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 3255-3263.	6.7	80
20	Structure-Designed Synthesis of CoP Microcubes from Metalâ€“Organic Frameworks with Enhanced Supercapacitor Properties. Inorganic Chemistry, 2018, 57, 10287-10294.	4.0	80
21	Superior Cycle Stability Performance of Quasi-Cuboidal CoV₂O₆ Microstructures as Electrode Material for Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 27291-27297.	8.0	79
22	Ultrathin Graphdiyne-Wrapped Iron Carbonate Hydroxide Nanosheets toward Efficient Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 2618-2625.	8.0	73
23	Coal derived porous carbon fibers with tunable internal channels for flexible electrodes and organic matter absorption. Journal of Materials Chemistry A, 2015, 3, 21178-21184.	10.3	70
24	Graphene Quantum Dot Reinforced Electrospun Carbon Nanofiber Fabrics with High Surface Area for Ultrahigh Rate Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 11669-11678.	8.0	67
25	Porous Silicon Photonic Crystals Coated with Ag Nanoparticles as Efficient Substrates for Detecting Trace Explosives Using SERS. Nanomaterials, 2018, 8, 872.	4.1	63
26	Homogeneous Pd nanoparticles produced in direct reactions: green synthesis, formation mechanism and catalysis properties. Journal of Materials Chemistry A, 2014, 2, 1369-1374.	10.3	61
27	Multimodal porous CNT@TiO2 nanocables with superior performance in lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 8525.	10.3	59
28	Simple Solidâ€“State Chemical Synthesis of ZnSnO₃ Nanocubes and Their Application as Gas Sensors. European Journal of Inorganic Chemistry, 2009, 2009, 4105-4109.	2.0	57
29	The glucose-assisted synthesis of a graphene nanosheetâ€“NiO composite for high-performance supercapacitors. New Journal of Chemistry, 2014, 38, 2320.	2.8	56
30	Dahlia-shaped BiOCl x I 1â^'x structures prepared by a facile solid-state method: Evidence and mechanism of improved photocatalytic degradation of rhodamine B dye. Journal of Colloid and Interface Science, 2017, 503, 115-123.	9.4	56
31	Nitrogen, Phosphorus Co-doped Carbon Obtained from Amino Acid Based Resin Xerogel as Efficient Electrode for Supercapacitor. ACS Applied Energy Materials, 2020, 3, 957-969.	5.1	54
32	Self-Assembled Sandwich-like Vanadium Oxide/Graphene Mesoporous Composite as High-Capacity Anode Material for Lithium Ion Batteries. Inorganic Chemistry, 2015, 54, 11799-11806.	4.0	52
33	High-Performance Gas Sensor of Polyaniline/Carbon Nanotube Composites Promoted by Interface Engineering. Sensors, 2020, 20, 149.	3.8	52
34	Synthesis of CuO nanometer powder by one step solid state reaction at room temperature. Science Bulletin, 1998, 43, 571-573.	1.7	51
35	Tuning the Color Emission of Sr₂P₂O₇: Tb³⁺, Eu³⁺ Phosphors Based on Energy Transfer. Journal of the American Ceramic Society, 2015, 98, 1536-1541.	3.8	51
36	Boosting the piezocatalytic performance of Bi₂WO₆ nanosheets towards the degradation of organic pollutants. Materials Chemistry Frontiers, 2020, 4, 2096-2102.	5.9	50

#	Article	IF	Citations
37	Simple in situ synthesis of carbon-supported and nanosheet-assembled vanadium oxide for ultra-high rate anode and cathode materials of lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 13907-13915.	10.3	49
38	Cage carbon-substitute does matter for aggregation-induced emission features of o-carborane-functionalized anthracene triads. Journal of Materials Chemistry C, 2018, 6, 4140-4149.	5.5	49
39	Low-temperature CO oxidation over CeO₂ and CeO₂@Co₃O₄ coreâ€“shell microspheres. New Journal of Chemistry, 2017, 41, 13418-13424.	2.8	49
40	A series of new mixed-ligand complexes based on 3,6-bis(imidazol-1-yl)pyridazine: syntheses, structures, and catalytic activities. CrystEngComm, 2017, 19, 3124-3137.	2.6	48
41	Carbon nanofiber@ZIF-8 derived carbon nanosheet composites with a coreâ€“shell structure boosting capacitive deionization performance. Journal of Materials Chemistry A, 2021, 9, 18604-18613.	10.3	46
42	Enhanced rate performance of cobalt oxide/nitrogen doped graphene composite for lithium ion batteries. RSC Advances, 2013, 3, 5003.	3.6	44
43	Luminescence, energy transfer and tunable color of Ce³⁺,Dy³⁺/Tb³⁺ doped BaZn₂(PO₄)₂ phosphors. New Journal of Chemistry, 2016, 40, 3086-3093.	2.8	44
44	A general strategy for synthesis of metal nanoparticles by a solid-state redox route under ambient conditions. Journal of Materials Chemistry A, 2014, 2, 3761.	10.3	43
45	Solid-state synthesis of SnO₂â€“graphene nanocomposite for photocatalysis and formaldehyde gas sensing. RSC Advances, 2014, 4, 46179-46186.	3.6	43
46	Flexible and Tailorable Naâ^'CO₂ Batteries Based on an Allâ€Solidâ€State Polymer Electrolyte. ChemElectroChem, 2018, 5, 3628-3632.	3.4	42
47	LiFePO₄ Particles Embedded in Fast Bifunctional Conductor rGO&C@Li₃V₂(PO₄)₃ Nanosheets as Cathodes for Highâ€Performance Liâ€ion Hybrid Capacitors. Advanced Functional Materials, 2019, 29, 1807895.	14.9	42
48	Porous CNT@Li₄Ti₅O₁₂ coaxial nanocables as ultra high power and long life anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 2089-2095.	10.3	41
49	An effective bifunctional electrocatalysts: Controlled growth of CoFe alloy nanoparticles supported on N-doped carbon nanotubes. Journal of Colloid and Interface Science, 2018, 514, 656-663.	9.4	41
50	Luminescence properties and energy transfer investigations of Zn2P2O7: Ce3+, Tb3+ phosphor. Journal of Luminescence, 2015, 158, 125-129.	3.1	40
51	Synthesis and electrochemical properties of spinel Li4Ti5O12â^'x Cl x anode materials for lithium-ion batteries. Journal of Solid State Electrochemistry, 2012, 16, 2011-2016.	2.5	39
52	Preparation and electrochemical properties of high-capacity LiFePO4â€“Li3V2(PO4)3/C composite for lithium-ion batteries. Journal of Power Sources, 2014, 246, 912-917.	7.8	39
53	Self-assembled sulfur/reduced graphene oxide nanoribbon paper as a free-standing electrode for high performance lithiumâ€“sulfur batteries. Chemical Communications, 2016, 52, 12825-12828.	4.1	39
54	Sandwich-Like CNT@Fe₃O₄@C Coaxial Nanocables with Enhanced Lithium-Storage Capability. ACS Applied Materials & Interfaces, 2017, 9, 1453-1458.	8.0	38

#	Article	IF	Citations
55	Cost-effective synthesis of bamboo-structure carbon nanotubes from coal for reversible lithium storage. RSC Advances, 2017, 7, 34770-34775.	3.6	37
56	Facile synthesis of Mn3O4-rGO hybrid materials for the high-performance electrocatalytic reduction of oxygen. Journal of Colloid and Interface Science, 2017, 488, 251-257.	9.4	36
57	Two-dimensional dysprosium-modified bamboo-slip-like lithium titanate with high-rate capability and long cycle life for lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 17782-17790.	10.3	35
58	Effective microwave-assisted synthesis of graphenenanosheets/NiO composite for high-performance supercapacitors. New Journal of Chemistry, 2013, 37, 439-443.	2.8	34
59	High-yield bamboo-like porous carbon nanotubes with high-rate capability as anodes for lithium-ion batteries. RSC Advances, 2014, 4, 44852-44857.	3.6	34
60	Improved electrochemical performance of lithium iron phosphate in situ coated with hierarchical porous nitrogen-doped graphene-like membrane. Journal of Power Sources, 2016, 305, 122-127.	7.8	34
61	Cu/Cu₂O/rGO nanocomposites: solid-state self-reduction synthesis and catalytic activity for p-nitrophenol reduction. New Journal of Chemistry, 2019, 43, 12118-12125.	2.8	33
62	NiS nanosheets with novel structure anchored on coal-based carbon fibers prepared by electrospinning for flexible supercapacitors. CrystEngComm, 2020, 22, 1625-1632.	2.6	33
63	3D coreâ€“shell MoS₂ superspheres composed of oriented nanosheets with quasi molecular superlattices: mimicked embryo formation and Li-storage properties. Journal of Materials Chemistry A, 2018, 6, 18498-18507.	10.3	32
64	Optimized Synthesis of Nitrogen and Phosphorus Dual-Doped Coal-Based Carbon Fiber Supported Pd Catalyst with Enhanced Activities for Formic Acid Electrooxidation. ACS Applied Materials & Interfaces, 2019, 11, 6431-6441.	8.0	32
65	Enabling a Large Accessible Surface Area of a Pore-Designed Hydrophilic Carbon Nanofiber Fabric for Ultrahigh Capacitive Deionization. ACS Applied Materials & Interfaces, 2020, 12, 49586-49595.	8.0	32
66	A Novel Carbon Support: Fewâ€Layered Graphdiyneâ€Decorated Carbon Nanotubes Capture Metal Clusters as Effective Metalâ€Supported Catalysts. Small, 2021, 17, e2006442.	10.0	32
67	Facile synthesis of CdS nanorods with enhanced photocatalytic activity. Ceramics International, 2015, 41, 14604-14609.	4.8	31
68	Zinc and cadmium complexes based on bis-(1H-tetrazol-5-ylmethyl/ylethyl)-amine ligands: structures and photoluminescence properties. CrystEngComm, 2016, 18, 6708-6723.	2.6	30
69	Detection of Triacetone Triperoxide (TATP) Precursors with an Array of Sensors Based on MoS2/RGO Composites. Sensors, 2019, 19, 1281.	3.8	30
70	Metal-organic framework-derived metal-free highly graphitized nitrogen-doped porous carbon with a hierarchical porous structure as an efficient and stable electrocatalyst for oxygen reduction reaction. Journal of Colloid and Interface Science, 2019, 535, 415-424.	9.4	29
71	Facile synthesis of two-dimensional (2D) nanoporous NiO nanosheets from metalâ€“organic frameworks with superior capacitive properties. New Journal of Chemistry, 2016, 40, 1100-1103.	2.8	28
72	Optimum Balance of Cu⁺ and Oxygen Vacancies of CuO_xâ€CeO₂ Composites for CO Oxidation Based on Thermal Treatment. European Journal of Inorganic Chemistry, 2019, 2019, 1714-1723.	2.0	28

#	Article	IF	Citations
73	Dual-nitrogen-source strategy for N-doped graphitic layer-wrapped metal carbide toward efficient oxygen reduction reaction. Journal of Colloid and Interface Science, 2020, 567, 165-170.	9.4	28
74	Solid-state photochromism of pyrazolones with highly improved sensitivity, fatigue resistance and reversible fluorescent switching properties. Journal of Materials Chemistry, 2011, 21, 3210.	6.7	27
75	Nitrogenâ€Doped Hollow Amorphous Carbon Spheres@Graphitic Shells Derived from Pitch: New Structure Leads to Robust Lithium Storage. Chemistry - A European Journal, 2016, 22, 2339-2344.	3.3	27
76	Hollow and Coreâ€“Shell Nanostructure Co₃O₄ Derived from a Metal Formate Framework toward High Catalytic Activity of CO Oxidation. ACS Applied Nano Materials, 2018, 1, 800-806.	5.0	27
77	Rational design of hybrid porous nanotubes with robust structure of ultrafine Li4Ti5O12 nanoparticles embedded in bamboo-like CNTs for superior lithium ion storage. Journal of Materials Chemistry A, 2018, 6, 3342-3349.	10.3	27
78	In Situ Chelating Synthesis of Hierarchical LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ Polyhedron Assemblies with Ultralong Cycle Life for Liâ€Ion Batteries. Small, 2018, 14, e1704354.	10.0	27
79	The Energy Transfer and Thermal Stability of a Blueâ€Green Color Tunable K₂CaP₂O₇:Ce³⁺,Tb³⁺ Phosphor. Journal of the American Ceramic Society, 2017, 100, 185-192.	3.8	26
80	Saccharin Anion Acts as a â€œTraffic Assistantâ€•of Zn²⁺ to Achieve a Long-Life and Dendritic-Free Zinc Plate Anode. ACS Applied Materials & Interfaces, 2021, 13, 29631-29640.	8.0	26
81	Green solid-state synthesis and photocatalytic hydrogen production activity of anatase TiO₂ nanoplates with super heat-stability. RSC Advances, 2017, 7, 11827-11833.	3.6	25
82	Hybrid porous bamboo-like CNTs embedding ultrasmall LiCrTiO₄ nanoparticles as high rate and long life anode materials for lithium ion batteries. Chemical Communications, 2017, 53, 1033-1036.	4.1	25
83	High-performance supercapacitors based on conductive graphene combined with Ni(OH)₂ nanoflakes. RSC Advances, 2017, 7, 36617-36622.	3.6	25
84	Coal-based 3D hierarchical porous carbon aerogels for high performance and super-long life supercapacitors. Scientific Reports, 2020, 10, 7022.	3.3	25
85	Mn₃O₄ hollow microcubes and solid nanospheres derived from a metal formate framework for electrochemical capacitor applications. RSC Advances, 2017, 7, 11129-11134.	3.6	24
86	Hierarchical porous carbon spheres constructed from coal as electrode materials for high performance supercapacitors. RSC Advances, 2017, 7, 45363-45368.	3.6	24
87	V-modified Co₃O₄nanorods with superior catalytic activity and thermostability for CO oxidation. CrystEngComm, 2018, 20, 5191-5199.	2.6	24
88	Synthesis and Crystal Structure of Mixed-Ligand Ni(II) Complex of N-(1-Phenyl-3-methyl-4-benzylidene-5-pyrazolone) p-Nitrobezoylhydrazide and Pyridine. Structural Chemistry, 2004, 15, 327-331.	2.0	23
89	Plum-like and octahedral Co3O4 single crystals on and around carbon nanotubes: large scale synthesis and formation mechanism. RSC Advances, 2012, 2, 3496.	3.6	23
90	Preparation and characterization of high-rate and long-cycle LiFePO4/C nanocomposite as cathode material for lithium-ion battery. Journal of Solid State Electrochemistry, 2012, 16, 17-24.	2.5	23

#	Article	IF	Citations
91	Photoluminescence properties and energy transfer of color tunable MgZn₂(PO₄)₂:Ce³⁺,Tb³⁺ phosphors. Physical Chemistry Chemical Physics, 2015, 17, 28802-28808.	2.8	23
92	Green synthesis of BiOBr modified Bi₂O₂CO₃ nanocomposites with enhanced visible-responsive photocatalytic properties. RSC Advances, 2016, 6, 106046-106053.	3.6	23
93	Coal based magnetic activated carbon as a high performance adsorbent for methylene blue. Journal of Porous Materials, 2016, 23, 877-884.	2.6	23
94	Pseudocapacitive Behaviors of Li₂FeTiO₄/C Hybrid Porous Nanotubes for Novel Lithium-Ion Battery Anodes with Superior Performances. ACS Applied Materials & Interfaces, 2018, 10, 20225-20230.	8.0	23
95	Ni@Ni₃N Embedded on Three-Dimensional Carbon Nanosheets for High-Performance Lithium/Sodiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 48536-48545.	8.0	23
96	SYNTHESIS AND CHARACTERIZATION OF METAL COMPLEXES OF N-(1-PHENYL-3-METHYL-4-BENZAL-5-PYRAZOLONE)-p-METHOXY-BENZOYLHYDRAZINE. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2002, 32, 739-751.	1.8	22
97	Synthesis and Characterization of Tetra-Î¼-phenolatotetrazinc(II) Complex with 1-Phenyl-3-Methyl-4-(salicylidene hydrazone)-Phenylethylene-Pyrazolone-5. Structural Chemistry, 2005, 16, 431-437.	2.0	22
98	High-Performance Manganese Nanoparticles on Reduced Graphene Oxide for Oxygen Reduction Reaction. Catalysis Letters, 2016, 146, 1019-1026.	2.6	22
99	Controlled Synthesis of a Three-Segment Heterostructure for High-Performance Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 1771-1780.	8.0	22
100	A green approach to prepare hierarchical porous carbon nanofibers from coal for high-performance supercapacitors. RSC Advances, 2019, 9, 6184-6192.	3.6	22
101	A solvent-free strategy to realize the substitution of I^{â^'} for IO₃^{â^'} in a BiOIO₃ photocatalyst with an opposite charge transfer path. Green Chemistry, 2020, 22, 1424-1431.	9.0	22
102	Improving the surface area of metal organic framework-derived porous carbon through constructing inner support by compatible graphene quantum dots. Journal of Colloid and Interface Science, 2022, 623, 77-85.	9.4	22
103	Photo-switch and INHIBIT logic gate based on two pyrazolone thiosemicarbazone derivatives. New Journal of Chemistry, 2009, 33, 2232.	2.8	21
104	Insights into Crystal Facets of Perovskite SrSnO₃ as Highâ€Performance Photocatalysts toward Environmental Remediation. Chemistry - A European Journal, 2018, 24, 14111-14118.	3.3	21
105	Aggregation-induced emission characteristics of o-carborane-functionalized fluorene and its heteroanalogs: the influence of heteroatoms on photoluminescence. Materials Chemistry Frontiers, 2020, 4, 257-267.	5.9	21
106	In situ redox reaction induced firmly anchoring of Na3V2(PO4)2F3 on reduced graphene oxide & carbon nanosheets as cathodes for high stable sodium-ion batteries. Journal of Power Sources, 2021, 516, 230515.	7.8	21
107	Electric field induced manipulation of resistive and magnetization switching in Pt/NiFe1.95Cr0.05O4/Pt memory devices. Applied Physics Letters, 2019, 114, .	3.3	19
108	Selfâ€Assembly of Perovskite CsPbBr₃ Quantum Dots Driven by a Photoâ€Induced Alkynyl Homocoupling Reaction. Angewandte Chemie - International Edition, 2020, 59, 17207-17213.	13.8	19

#	Article	IF	Citations
109	Synthesis and electrochemical properties of nanosized carbon-coated Li1â^'3x La x FePO4 composites. Journal of Solid State Electrochemistry, 2010, 14, 889-895.	2.5	18
110	Engineering the metathesis and oxidation-reduction reaction in solid state at room temperature for nanosynthesis. Scientific Reports, 2014, 4, 4153.	3.3	18
111	Synthesis and electrochemical performance of LiCr x Mn2-xO4(x=0,0.02,0.05,0.08,0.10) powders by ultrasonic coprecipitation. Journal of Solid State Electrochemistry, 2006, 10, 929-933.	2.5	17
112	Photochromism and mechanism of pyrazolones in crystals: structural variations directly observed by X-ray diffraction. Journal of Materials Chemistry, 2011, 21, 12202.	6.7	17
113	One-pot synthesis of Fe3O4/C nanocomposites by PEG-assisted co-precipitation as anode materials for high-rate lithium-ion batteries. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	17
114	Anatase/rutile titania anchored carbon nanotube porous nanocomposites as superior anodes for lithium ion batteries. CrystEngComm, 2016, 18, 4489-4494.	2.6	17
115	A Novel Porous N- and S-Self-Doped Carbon Derived from Chinese Rice Wine Lees as High-Performance Electrode Materials in a Supercapacitor. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	17
116	Solar-driven simultaneous desalination and power generation enabled by graphene oxide nanoribbon papers. Journal of Materials Chemistry A, 2022, 10, 9184-9194.	10.3	17
117	Single-Atom Ru on Al₂O₃ for Highly Active and Selective 1,2-Dichloroethane Catalytic Degradation. ACS Applied Materials & Interfaces, 2021, 13, 53683-53690.	8.0	16
118	Electrochemical deposition of Ni(OH)2/CNTs electrode as electrochemical capacitors. Rare Metals, 2011, 30, 85-89.	7.1	15
119	In situ solid-state fabrication of hybrid AgCl/AgI/AgIO3 with improved UV-to-visible photocatalytic performance. Scientific Reports, 2017, 7, 12365.	3.3	15
120	Facile synthesis of CoxFe1â^'xP microcubes derived from metal-organic frameworks for efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2019, 554, 202-209.	9.4	15
121	A dualâ€activation strategy to tailor the hierarchical porous structure of biomassâ€derived carbon for ultrahigh rate supercapacitor. International Journal of Energy Research, 2021, 45, 9284-9294.	4.5	15
122	Preparation and characterization of LiMn2O4 nanorod by low heating solid state coordination method. Journal of Nanoparticle Research, 2004, 6, 533-538.	1.9	14
123	Interstitial N-doped SrSnO₃ perovskite: structural design, modification and photocatalytic degradation of dyes. New Journal of Chemistry, 2019, 43, 10965-10972.	2.8	14
124	N/S co-doped coal-based porous carbon spheres as electrode materials for high performance supercapacitors. RSC Advances, 2020, 10, 11033-11038.	3.6	14
125	Designed Formation of Yolkâ€“Shell-Like N-Doped Carbon-Coated Si Nanoparticles by a Facile Method for Lithium-Ion Battery Anodes. ACS Applied Energy Materials, 2022, 5, 1471-1477.	5.1	14
126	The crystal structure of 1-phenyl-3-methyl-4(salicylaldehyde hydrazone)-propenylidene-5-pyrazolone. Journal of Chemical Crystallography, 2005, 35, 497-501.	1.1	13

#	Article	IF	Citations
127	Preparation of cobalt and nickel complexes of 8-hydroxyquinoline with nanobelt structure via one-step, low-heating, solid-state reactions. Journal of Coordination Chemistry, 2008, 61, 1019-1026.	2.2	13
128	Preparation and characterization of spinel Li4Ti5O12 nanoparticles anode materials for lithium ion battery. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	13
129	Enhanced performances of nonenzymatic glucose sensors by attaching Au nanoparticles onto the surfaces of Cu₂O@Cu nanocable arrays. RSC Advances, 2014, 4, 43973-43976.	3.6	13
130	Hierarchical Mn2O3 Microspheres In-Situ Coated with Carbon for Supercapacitors with Highly Enhanced Performances. Nanomaterials, 2017, 7, 409.	4.1	13
131	Template Construction of Porous CoP/COP₂ Microflowers Threaded with Carbon Nanotubes toward High-Efficiency Oxygen Evolution and Hydrogen Evolution Electrocatalysts. Inorganic Chemistry, 2020, 59, 12232-12239.	4.0	13
132	Coaxial spinning fabricated high nitrogen-doped porous carbon walnut anchored on carbon fibers as anodic material with boosted lithium storage performance. Journal of Colloid and Interface Science, 2021, 586, 371-380.	9.4	13
133	Inâ€situ expansion strategy towards hierarchical mesoporousÂcarbon: Formation mechanism and applicationÂin supercapacitors. International Journal of Energy Research, 2022, 46, 7249-7260.	4.5	13
134	Title is missing!. Journal of Chemical Crystallography, 2002, 32, 255-259.	1.1	12
135	Multichannel Discriminative Detection of Explosive Vapors with an Array of Nanofibrous Membranes Loaded with Quantum Dots. Sensors, 2017, 17, 2676.	3.8	12
136	An in situ solid-state heredity-restriction strategy to introduce oxygen defects into TiO₂ with enhanced photocatalytic performance. CrystEngComm, 2018, 20, 6156-6164.	2.6	12
137	Solventâ€free Strategy of Photocarriers Accumulated Site and Separated Path for Porous Hollow Spindleâ€Shaped BiPO₄. ChemCatChem, 2018, 10, 3777-3785.	3.7	12
138	Microfluidically mediated atom-transfer radical polymerization. Chemical Communications, 2019, 55, 7554-7557.	4.1	12
139	A graphdiyne oxide composite membrane for active electrolyte enhanced supercapacitors with super long self-discharge time. Journal of Materials Chemistry C, 2022, 10, 2821-2827.	5.5	12
140	Zn_xCo_{1â€“x}MoS₃ Microboxes from Metalâ€“Organic Frameworks as Efficient Electrocatalysts for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 9800-9807.	6.7	11
141	Carbon block anodes with columnar nanopores constructed from amine-functionalized carbon nanosheets for sodium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 24393-24400.	10.3	11
142	Selfâ€Assembly of Perovskite CsPbBr 3 Quantum Dots Driven by a Photoâ€Induced Alkynyl Homocoupling Reaction. Angewandte Chemie, 2020, 132, 17360-17366.	2.0	11
143	Preparation and performance comparison of LiMn2O3.95Br0.05 and LiMn2O3.95Br0.05/SiO2 cathode materials for lithium-ion battery. Journal of Solid State Electrochemistry, 2011, 15, 725-730.	2.5	10
144	Synthesis of Airâ€stable 1T Phase of Molybdenum Disulfide for Efficient Electrocatalytic Hydrogen Evolution. ChemCatChem, 2019, 11, 707-714.	3.7	10

#	Article	IF	Citations
145	Ultralight and highly compressible coal oxide-modified graphene aerogels for organic solvent absorption and light-to-heat conversion. New Journal of Chemistry, 2020, 44, 2228-2235.	2.8	10
146	Synthesis and crystal structure of Schiff base transition metal complex [Co(PMBP-smdtc)2]â‹…2H2O. Journal of Chemical Crystallography, 2002, 32, 505-509.	1.1	9
147	Crystal structure and photoisomerism of 1-phenyl-3-methyl-4-benzal-5-pyrazolone 4-butylthiosemicarbazone in solid state. Structural Chemistry, 2007, 18, 59-63.	2.0	9
148	Ni-Doped ZnS Nanospheres Decorated with Au Nanoparticles for Highly Improved Gas Sensor Performance. Sensors, 2018, 18, 2882.	3.8	9
149	Understanding the structural transformation of carbon black from solid spheres to hollow polyhedra during high temperature treatment. RSC Advances, 2019, 9, 29779-29783.	3.6	9
150	Facile strategy for the fabrication of noble metal/ZnS composites with enhanced photocatalytic activities. RSC Advances, 2020, 10, 4455-4463.	3.6	9
151	Synthesis and improved photochromic properties of pyrazolones in the solid state by incorporation of halogen. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 149-154.	3.9	8
152	Enhanced catalytic hydrogenation activity of Ni/reduced graphene oxide nanocomposite prepared by a solid-state method. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	8
153	Syntheses, crystal structures and thermal behavior of three Mn(II) complexes with 4-acyl pyrazolone derivatives. Structural Chemistry, 2007, 18, 909-915.	2.0	7
154	Preparation and electrochemical performance of LiFePO4â˜’x F x /C nanorods by room-temperature solid-state reaction and microwave heating. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	7
155	Effects of Sr-doping on the electrical properties of MnCoNiO4 NTC ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 622-627.	2.2	7
156	Preparation and electrochemical properties of LiFePO4/C nanoparticles using different organic carbon sources. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	7
157	Photochromism and fluorescence modulation of pyrazolone derivatives in the solid state. New Journal of Chemistry, 2015, 39, 3059-3064.	2.8	7
158	Synthesis, photoisomerization properties and thermal bleaching kinetics of pyrazolones containing 3-cyanobenzal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 148, 318-323.	3.9	7
159	Improved rate capability and cycling stability of bicontinuous hierarchical mesoporous LiFePO₄/C microbelts for lithium-ion batteries. New Journal of Chemistry, 2017, 41, 12969-12975.	2.8	7
160	Synthesis, Structure and Photochromic Properties of 1-Phenyl-3-Methyl-4-(4-Bromobenzal)-Pyrazolone-5 Thiosemicarbazone. Structural Chemistry, 2005, 16, 135-140.	2.0	6
161	Three novel photoisomeric compounds of the 4-acyl pyrazolone derivants: Crystal structures and substituent effects on photo-isomerism in solid state. Science in China Series B: Chemistry, 2008, 51, 661-668.	0.8	6
162	Preparation and characterization of Ag/C nanocables-modified nanosized C-LiFePO4. Journal of Nanoparticle Research, 2011, 13, 4815-4820.	1.9	6

#	Article	IF	Citations
163	Facile solid-state synthesis of Fe/FeOOH hierarchical nanostructures assembled from ultrathin nanosheets and their application in water treatment. CrystEngComm, 2016, 18, 8465-8471.	2.6	6
164	Direct Coal Liquefaction with Fe3O4 Nanocatalysts Prepared by a Simple Solid-State Method. Energies, 2017, 10, 886.	3.1	6
165	Synthesis of Metal Complexes of 1â€Phenylâ€3â€methylâ€4â€benzoylpyrazoleâ€5â€one Semicarbazone by Solidâ€State and Solution Reactions. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2005, 35, 269-274.	0.6	5
166	Structure and solid-state photochromic properties of two new compounds with pyrazolone-ring. Structural Chemistry, 2009, 20, 393-398.	2.0	5
167	Synthesis, mechanism and efficient modulation of a fluorescence dye by photochromic pyrazolone with energy transfer in the crystalline state. RSC Advances, 2017, 7, 9847-9853.	3.6	5
168	Conformation and coordination of 1â€phenylâ€3â€methylâ€4â€benzalâ€5â€pyrazolone thiosemicarbazone: A density functional study. International Journal of Quantum Chemistry, 2009, 109, 1341-1347.	2.0	4
169	Synthesis, photochromic properties and thermal bleaching kinetics of pyrazolone phenylsemicarbazones containing a thiophene ring. New Journal of Chemistry, 2013, 37, 2351.	2.8	4
170	Molecular Orbital Delocalization/Localization-Induced Crystal-to-Crystal Photochromism of Schiff Bases without ortho-Hydroxyl Groups. Journal of Physical Chemistry C, 2018, 122, 24933-24940.	3.1	4
171	Restraining polysulfide shuttling by designing a dual adsorption structure of bismuth encapsulated into carbon nanotube cavity. Nanoscale, 2021, 13, 10320-10328.	5.6	4
172	Simple synthesis and electrochemical performance of <scp> NaVSi ₂ O ₆ </scp> as a new sodiumâ€ion cathode material. International Journal of Energy Research, 2021, 45, 10746-10751.	4.5	4
173	Synthesis oftrans-bis(glycinato) copper(II) complex nanorods by room temperature solid-state reaction. Science Bulletin, 2005, 50, 758-760.	1.7	3
174	Preparation and characterization of LiMn2O4 and LiCo0.16Mn1.84O4 as cathode materials for lithium-ion batteries by low heating solid state coordination method. Journal of Materials Science, 2006, 41, 4163-4167.	3.7	3
175	Theoretical analysis on the hydrogen bonding and reactivity that associated with the proton transfer reaction of carboxylic acid dimers and their monosulfur derivatives. International Journal of Quantum Chemistry, 2011, 111, 3017-3023.	2.0	3
176	Facile Controlled Growth of Podetiumâ€Like MnO₂ Crystals and the Catalytic Effect of MnO₂/Nâ€Doped Graphene on the Oxygen Reduction Reaction. European Journal of Inorganic Chemistry, 2018, 2018, 1315-1321.	2.0	3
177	Theoretical studies on geometry, solvent effect, and photochromic mechanism of two bisâ€heterocyclic compounds containing pyrazolone ring. International Journal of Quantum Chemistry, 2010, 110, 1360-1367.	2.0	2
178	Synthesis, Crystal Structures and Fluorescent Properties of Two Bimetallic Coordination Polymers. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 254-260.	3.7	2
179	New insight into the photochromic mechanism of 1,3â€diphenylâ€4â€(4â€fluoro)benzalâ€5â€pyrazolone N(4)â€phenyl semicarbazone. International Journal of Quantum Chemistry, 2011, 111, 1048-1054.	2.0	2
180	Design and synthesis of reversible solid-state photochromic pyrazolones by introducing a pyridine ring. Photochemical and Photobiological Sciences, 2016, 15, 1222-1226.	2.9	2

#	Article	IF	Citations
181	Solid-state photochromic behavior of pyrazolone 4-phenylthiosemicarbazones. New Journal of Chemistry, 2017, 41, 15229-15235.	2.8	2
182	Nanoarchitectures constructed with single crystalline Co3O4 spheres and MWCNTs: Temperature effect on the growth and supercapacitors. Materials Research Society Symposia Proceedings, 2013, 1497, 1.	0.1	1
183	THEORETICAL STUDIES ON THE CONFORMATION AND COORDINATION OF N-(1-PHENYL-3-METHYL-4-PROPENYLIDENE-5-PYRAZOLONE)-SALICYLIDENE. Journal of Theoretical and Computational Chemistry, 2013, 12, 1350036.	1.8	0