Zhenjun Si

List of Publications by Year
in descending order

61 papers	1,430 citations	361413 20 h-index	345221 36 g-index
61 all docs	61 docs citations	61 times ranked	1895 citing authors

#	Article	IF	Citations
1	Multi-ring aromatic carbonyl compounds enabling high capacity and stable performance of sodium-organic batteries. Energy and Environmental Science, 2015, 8, 3160-3165.	30.8	155
2	Synthesis, Structural Characterization, and Electrophosphorescent Properties of Rhenium(I) Complexes Containing Carrier-Transporting Groups. Inorganic Chemistry, 2007, 46, 6155-6163.	4.0	96
3	Hierarchically structured Fe₃O₄microspheres: morphology control and their application in wastewater treatment. CrystEngComm, 2011, 13, 642-648.	2.6	80
4	A Bipolar and Selfâ€Polymerized Phthalocyanine Complex for Fast and Tunable Energy Storage in Dualâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 10204-10208.	13.8	78
5	Synthesis, photophysical properties, and theoretical studies on pyrrole-containing bromo Re(I) complex. Journal of Organometallic Chemistry, 2009, 694, 3742-3748.	1.8	74
6	Direct hydrothermal synthesis of single-crystalline triangular Fe3O4 nanoprisms. CrystEngComm, 2010, 12, 2060.	2.6	68
7	Conjugated Carbonyl Polymer-Based Flexible Cathode for Superior Lithium-Organic Batteries. ACS Applied Materials & Interfaces, 2019, 11, 28801-28808.	8.0	64
8	Metallophthalocyanine-Based Polymer-Derived Co₂P Nanoparticles Anchoring on Doped Graphene as High-Efficient Trifunctional Electrocatalyst for Zn-Air Batteries and Water Splitting. ACS Sustainable Chemistry and Engineering, 2020, 8, 6422-6432.	6.7	63
9	High light electroluminescence of novel Cu(I) complexes. Journal of Luminescence, 2009, 129, 181-186.	3.1	51
10	A bipolar metal phthalocyanine complex for sodium dual-ion battery. Journal of Energy Chemistry, 2021, 58, 9-16.	12.9	47
11	Embedding Co2P nanoparticles into co-doped carbon hollow polyhedron as a bifunctional electrocatalyst for efficient overall water splitting. International Journal of Hydrogen Energy, 2020, 45, 16540-16549.	7.1	44
12	A Selfâ€Polymerized Nitroâ€Substituted Conjugated Carbonyl Compound as Highâ€Performance Cathode for Lithiumâ€Organic Batteries. ChemSusChem, 2020, 13, 2449-2456.	6.8	41
13	Conjugated Microporous Polymers with Bipolar and Double Redoxâ€Active Centers for Highâ€Performance Dualâ€Ion, Organic Symmetric Battery. Advanced Energy Materials, 2021, 11, 2100381.	19.5	41
14	Conjugated microporous polyarylimides immobilization on carbon nanotubes with improved utilization of carbonyls as cathode materials for lithium/sodium-ion batteries. Journal of Colloid and Interface Science, 2021, 601, 446-453.	9.4	36
15	An aromatic carbonyl compound-linked conjugated microporous polymer as an advanced cathode material for lithium-organic batteries. Materials Chemistry Frontiers, 2020, 4, 2697-2703.	5.9	34
16	Electroluminescence from Singlet Excited-State of the Exciplex between (2,3-Dicarbonitrilopyrazino[2,3-f][1,10]phenanthroline)Re(CO)₃Cl and CBP. Journal of Physical Chemistry C, 2008, 112, 3920-3925.	3.1	25
17	Novel Re(i) dendrimers: synthesis, characterization and theoretical studies. Dalton Transactions, 2009, , 10592.	3.3	24
18	A Bipolar and Selfâ€Polymerized Phthalocyanine Complex for Fast and Tunable Energy Storage in Dualâ€Ion Batteries. Angewandte Chemie, 2019, 131, 10310-10314.	2.0	24

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19	Engineering Charge Transfer Characteristics in Hierarchical Cu2S QDs @ ZnO Nanoneedles with pâ€“n Heterojunctions: Towards Highly Efficient and Recyclable Photocatalysts. Nanomaterials, 2019, 9, 16.	4.1	23
20	Polymerization and coordination synergistically constructed photothermal agents for macrophages-mediated tumor targeting diagnosis and therapy. Biomaterials, 2021, 264, 120382.	11.4	22
21	Near-infrared luminescent properties and natural lifetime calculation of a novel Er3+ complex. Inorganic Chemistry Communication, 2009, 12, 675-677.	3.9	19
22	Doped graphene encapsulated SnP2O7 with enhanced conversion reactions from polyanions as a versatile anode material for sodium dual-ion battery. Electrochimica Acta, 2021, 369, 137657.	5.2	19
23	Bright electrophosphorescent devices based on sterically hindered spacer-containing Cu(I) complex. Journal of Luminescence, 2008, 128, 1303-1306.	3.1	17
24	Conjugated ladder-type polymers with multielectron reactions as high-capacity organic anode materials for lithium-ion batteries. Science China Materials, 2022, 65, 2354-2362.	6.3	15
25	Highly efficient phosphorescent organic light-emitting devices based on Re(CO)3Cl-bathophenanthroline. Semiconductor Science and Technology, 2007, 22, 553-556.	2.0	14
26	White up-conversion emission in Ba(MoO4)0.5(WO4)0.5:Yb3+,Ho3+,Tm3+ nano-phosphor. Journal of Luminescence, 2015, 159, 178-182.	3.1	14
27	Alkoxy encapsulation of carbazole-based thermally activated delayed fluorescent dendrimers for highly efficient solution-processed organic light-emitting diodes. Chinese Chemical Letters, 2021, 32, 703-707.	9.0	14
28	Synthesis and fluorescence study of sodium-2-(4â€²-dimethyl-aminocinnamicacyl)-3,3-(1â€²,3â€²-alkylenedithio) acrylate. Journal of Luminescence, 2007, 124, 365-369.	3.1	12
29	Synthesis, photoluminescence, and theoretical studies of novel Cu(I) complex. Inorganic Chemistry Communication, 2009, 12, 1016-1019.	3.9	12
30	A three-dimensional metalâ€“organic framework based on a triazine derivative: syntheses, structure analysis, and sorption studies. CrystEngComm, 2009, 11, 2254.	2.6	12
31	Aggregationâ€Induced Phosphorescent Emission from Re^I Complexes: Synthesis and Property Studies. European Journal of Inorganic Chemistry, 2016, 2016, 1340-1347.	2.0	12
32	Aggregation-induced phosphorescent emission enhancement (AIPEE) Re(I) complexes: Synthesize, photophysical and theoretical simulations. Journal of Molecular Structure, 2018, 1171, 786-792.	3.6	12
33	Synthesis of telechelic PNIPAM ended with 9,10-dihydroacridine group as a recyclable and specific Fe3+ detection fluorescent sensor. Dyes and Pigments, 2020, 173, 107873.	3.7	12
34	Carbonylâ€rich Poly(pyreneâ€4,5,9,10â€tetraone Sulfide) as Anode Materials for Highâ€Performance Li and Naâ€Ion Batteries. Chemistry - an Asian Journal, 2021, 16, 1973-1978.	3.3	12
35	Preparation and luminescence properties of BaWO4:Yb3+/Tm3+ nano-crystal. Journal of Rare Earths, 2013, 31, 790-794.	4.8	11
36	A series of asymmetric and symmetric porphyrin derivatives: one-pot synthesis, nonlinear optical and optical limiting properties. New Journal of Chemistry, 2021, 45, 16030-16038.	2.8	11

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37	Synthesis and enhanced nonlinear optical performance of phthalocyanine indium polymers with electron-donating group porphyrin by efficient energy transfer. Dyes and Pigments, 2022, 198, 109985.	3.7	11
38	One-dimensional Ï€-d conjugated coordination polymer with double redox-active centers for all-organic symmetric lithium-ion batteries. Chemical Engineering Journal, 2022, 450, 138052.	12.7	11
39	Derivatives of 1-benzyl-4-(4-triphenylvinylphenyl) pyridinium bromide: Synthesis, characterization, mechanofluorochromism/aggregation-induced emission (AIE) character and theoretical simulations. Journal of Luminescence, 2018, 195, 14-23.	3.1	10
40	A facile one-pot synthesis of Co₂P nanoparticle-encapsulated doped carbon nanotubes as bifunctional electrocatalysts for high-performance rechargeable Znâ€“air batteries. CrystEngComm, 2021, 23, 1013-1018.	2.6	10
41	OPV devices based on functionalized lanthanide complexes for application in UVâ€“light detection. Solar Energy Materials and Solar Cells, 2007, 91, 1168-1171.	6.2	9
42	Novel magnetic CoII complexes: Synthesis and characterization. Inorganic Chemistry Communication, 2013, 34, 15-18.	3.9	8
43	An Easy Method of Synthesis CoxOy@C Composite with Enhanced Microwave Absorption Performance. Nanomaterials, 2020, 10, 902.	4.1	8
44	Upconversion luminescence of Ba(MoO4)h(WO4)1â^'h:Yb3+/Er3+ nanocrystals synthesized through hydrothermal method. Optical Materials, 2014, 37, 371-375.	3.6	7
45	Syntheses and nonlinear optical behavior of four-arm star-shaped phthalocyanine indium polymers containing azobenzene. Dyes and Pigments, 2021, 194, 109632.	3.7	6
46	Synthesis, measurements, and theoretical analysis of carbazole derivatives with high-triplet-energy. Journal of Luminescence, 2012, 132, 1200-1206.	3.1	5
47	Structural, electronic and magnetic properties of hydrogenated BC2N. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3120-3124.	2.1	5
48	Development of sulfide, nitrogen co-doping hollow carbon with wideband electromagnetic absorption capability. RSC Advances, 2020, 10, 22570-22577.	3.6	5
49	Benzylsulfonyl functionalized phenylpyridine iridium(III) complexes with tunable light emission color: A density functional theory study. Synthetic Metals, 2012, 162, 1190-1197.	3.9	4
50	2,3,4,5â€Tetraphenylbiphenylâ€Containing Cu^I/Re^I Complexes: Synthesis, Property Analysis and Theoretical Studies. European Journal of Inorganic Chemistry, 2012, 2012, 4012-4019.	2.0	4
51	Electrospun carbon nanofiber decorated with Co-Ni alloy nanoparticles as a bifunctional electrocatalyst for Zn-ir battery. Materials Letters, 2020, 275, 128135.	2.6	4
52	Synthesis and property studies of novel Bath derivatives containing organosilyl groups with aggregation-induced emission enhancement and optical O2 sensoring characters. Dyes and Pigments, 2016, 125, 210-219.	3.7	3
53	Ionic Re(I) complexes with 4-(4-triphenylsilanylphenyl) pyridine: Synthesis, characterization, sensoring properties and DFT calculations. Journal of Luminescence, 2017, 184, 242-249.	3.1	3
54	Controllable synthesis of Ni-dotted Fe3S4 with its superior wideband electromagnetic absorbing performance. Journal of Materials Science: Materials in Electronics, 2020, 31, 12775-12782.	2.2	3

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55	Photophysical properties and theoretical calculations of Cu(I) dendrimers. Journal of Luminescence, 2014, 148, 103-110.	3.1	2
56	AIPE Re(I) complexes with multifunctionalized 2,2â€²-bipyridine as ligands: Synthesis and optical properties. Optical Materials, 2020, 105, 109876.	3.6	2
57	Synthesis and Characterization of Ultraviolet Light-Emitting Organic Acids. Journal of Fluorescence, 2014, 24, 847-854.	2.5	1
58	Phosphorescent self-healing composites containing Re(I) complexes: preparation and properties. Journal of Coordination Chemistry, 2019, 72, 3645-3656.	2.2	1
59	MnII Complexes with a Novel Triacid as Ligand: Synthesis and Characterization. Molecular Crystals and Liquid Crystals, 2014, 605, 179-186.	0.9	0
60	Novel 1D Mn(II) complexes containing aromatic dicarboxylic acids. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 224-231.	1.0	0
61	Ultraviolet light-emitting CdII complexes: synthesis and property studies. Journal of Coordination Chemistry, 2015, 68, 895-903.	2.2	0