

Zhenjun Si

List of Publications by Year in descending order

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61
papers

1,430
citations

361045

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h-index

344852

36
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all docs

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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. <i>Energy and Environmental Science</i> , 2015, 8, 3160-3165.	15.6	155
2	Synthesis, Structural Characterization, and Electrophosphorescent Properties of Rhenium(I) Complexes Containing Carrier-Transporting Groups. <i>Inorganic Chemistry</i> , 2007, 46, 6155-6163.	1.9	96
3	Hierarchically structured Fe ₃ O ₄ microspheres: morphology control and their application in wastewater treatment. <i>CrystEngComm</i> , 2011, 13, 642-648.	1.3	80
4	A Bipolar and Self-Polymerized Phthalocyanine Complex for Fast and Tunable Energy Storage in Dual-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10204-10208.	7.2	78
5	Synthesis, photophysical properties, and theoretical studies on pyrrole-containing bromo Re(I) complex. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3742-3748.	0.8	74
6	Direct hydrothermal synthesis of single-crystalline triangular Fe ₃ O ₄ nanoprisms. <i>CrystEngComm</i> , 2010, 12, 2060.	1.3	68
7	Conjugated Carbonyl Polymer-Based Flexible Cathode for Superior Lithium-Organic Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28801-28808.	4.0	64
8	Metallophthalocyanine-Based Polymer-Derived Co ₂ P Nanoparticles Anchoring on Doped Graphene as High-Efficient Trifunctional Electrocatalyst for Zn-Air Batteries and Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6422-6432.	3.2	63
9	High light electroluminescence of novel Cu(I) complexes. <i>Journal of Luminescence</i> , 2009, 129, 181-186.	1.5	51
10	A bipolar metal phthalocyanine complex for sodium dual-ion battery. <i>Journal of Energy Chemistry</i> , 2021, 58, 9-16.	7.1	47
11	Embedding Co ₂ P nanoparticles into co-doped carbon hollow polyhedron as a bifunctional electrocatalyst for efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16540-16549.	3.8	44
12	A Self-Polymerized Nitro-Substituted Conjugated Carbonyl Compound as High-Performance Cathode for Lithium-Organic Batteries. <i>ChemSusChem</i> , 2020, 13, 2449-2456.	3.6	41
13	Conjugated Microporous Polymers with Bipolar and Double Redox-Active Centers for High-Performance Dual-Ion, Organic Symmetric Battery. <i>Advanced Energy Materials</i> , 2021, 11, 2100381.	10.2	41
14	Conjugated microporous polyarylimides immobilization on carbon nanotubes with improved utilization of carbonyls as cathode materials for lithium/sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 446-453.	5.0	36
15	An aromatic carbonyl compound-linked conjugated microporous polymer as an advanced cathode material for lithium-organic batteries. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2697-2703.	3.2	34
16	Electroluminescence from Singlet Excited-State of the Exciplex between (2,3-Dicarbonitrilopyrazino[2,3-f][1,10]phenanthroline)Re(CO) ₃ Cl and CBP. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3920-3925.	1.5	25
17	Novel Re(i) dendrimers: synthesis, characterization and theoretical studies. <i>Dalton Transactions</i> , 2009, , 10592.	1.6	24
18	A Bipolar and Self-Polymerized Phthalocyanine Complex for Fast and Tunable Energy Storage in Dual-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 10310-10314.	1.6	24

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19	Engineering Charge Transfer Characteristics in Hierarchical Cu ₂ S QDs @ ZnO Nanoneedles with p-n Heterojunctions: Towards Highly Efficient and Recyclable Photocatalysts. <i>Nanomaterials</i> , 2019, 9, 16.	1.9	23
20	Polymerization and coordination synergistically constructed photothermal agents for macrophages-mediated tumor targeting diagnosis and therapy. <i>Biomaterials</i> , 2021, 264, 120382.	5.7	22
21	Near-infrared luminescent properties and natural lifetime calculation of a novel Er ³⁺ complex. <i>Inorganic Chemistry Communication</i> , 2009, 12, 675-677.	1.8	19
22	Doped graphene encapsulated SnP ₂ O ₇ with enhanced conversion reactions from polyanions as a versatile anode material for sodium dual-ion battery. <i>Electrochimica Acta</i> , 2021, 369, 137657.	2.6	19
23	Bright electrophosphorescent devices based on sterically hindered spacer-containing Cu(I) complex. <i>Journal of Luminescence</i> , 2008, 128, 1303-1306.	1.5	17
24	Conjugated ladder-type polymers with multielectron reactions as high-capacity organic anode materials for lithium-ion batteries. <i>Science China Materials</i> , 2022, 65, 2354-2362.	3.5	15
25	Highly efficient phosphorescent organic light-emitting devices based on Re(CO) ₃ Cl-bathophenanthroline. <i>Semiconductor Science and Technology</i> , 2007, 22, 553-556.	1.0	14
26	White up-conversion emission in Ba(MoO ₄) _{0.5} (WO ₄) _{0.5} :Yb ³⁺ ,Ho ³⁺ ,Tm ³⁺ nano-phosphor. <i>Journal of Luminescence</i> , 2015, 159, 178-182.	1.5	14
27	Alkoxy encapsulation of carbazole-based thermally activated delayed fluorescent dendrimers for highly efficient solution-processed organic light-emitting diodes. <i>Chinese Chemical Letters</i> , 2021, 32, 703-707.	4.8	14
28	Synthesis and fluorescence study of sodium-2-(4-dimethyl-aminocinnamicacyl)-3,3-(1,3-alkylenedithio) acrylate. <i>Journal of Luminescence</i> , 2007, 124, 365-369.	1.5	12
29	Synthesis, photoluminescence, and theoretical studies of novel Cu(I) complex. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1016-1019.	1.8	12
30	A three-dimensional metal-organic framework based on a triazine derivative: syntheses, structure analysis, and sorption studies. <i>CrystEngComm</i> , 2009, 11, 2254.	1.3	12
31	Aggregation-Induced Phosphorescent Emission from Re ^I Complexes: Synthesis and Property Studies. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1340-1347.	1.0	12
32	Aggregation-induced phosphorescent emission enhancement (AIPEE) Re(I) complexes: Synthesize, photophysical and theoretical simulations. <i>Journal of Molecular Structure</i> , 2018, 1171, 786-792.	1.8	12
33	Synthesis of telechelic PNIPAM ended with 9,10-dihydroacridine group as a recyclable and specific Fe ³⁺ detection fluorescent sensor. <i>Dyes and Pigments</i> , 2020, 173, 107873.	2.0	12
34	Carbonyl-rich Poly(pyrene-4,5,9,10-tetraone Sulfide) as Anode Materials for High-Performance Li and Na-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1973-1978.	1.7	12
35	Preparation and luminescence properties of BaWO ₄ :Yb ³⁺ /Tm ³⁺ nano-crystal. <i>Journal of Rare Earths</i> , 2013, 31, 790-794.	2.5	11
36	A series of asymmetric and symmetric porphyrin derivatives: one-pot synthesis, nonlinear optical and optical limiting properties. <i>New Journal of Chemistry</i> , 2021, 45, 16030-16038.	1.4	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. <i>Dyes and Pigments</i> , 2022, 198, 109985.	2.0	11
38	One-dimensional π -d conjugated coordination polymer with double redox-active centers for all-organic symmetric lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 450, 138052.	6.6	11
39	Derivatives of 1-benzyl-4-(4-triphenylvinylphenyl) pyridinium bromide: Synthesis, characterization, mechanofluorochromism/aggregation-induced emission (AIE) character and theoretical simulations. <i>Journal of Luminescence</i> , 2018, 195, 14-23.	1.5	10
40	A facile one-pot synthesis of Co_2P nanoparticle-encapsulated doped carbon nanotubes as bifunctional electrocatalysts for high-performance rechargeable Zn-air batteries. <i>CrystEngComm</i> , 2021, 23, 1013-1018.	1.3	10
41	OPV devices based on functionalized lanthanide complexes for application in UV-light detection. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1168-1171.	3.0	9
42	Novel magnetic Coll complexes: Synthesis and characterization. <i>Inorganic Chemistry Communication</i> , 2013, 34, 15-18.	1.8	8
43	An Easy Method of Synthesis $\text{Co}_x\text{O}_y/\text{C}$ Composite with Enhanced Microwave Absorption Performance. <i>Nanomaterials</i> , 2020, 10, 902.	1.9	8
44	Upconversion luminescence of $\text{Ba}(\text{MoO}_4)_2/\text{Yb}^{3+}/\text{Er}^{3+}$ nanocrystals synthesized through hydrothermal method. <i>Optical Materials</i> , 2014, 37, 371-375.	1.7	7
45	Syntheses and nonlinear optical behavior of four-arm star-shaped phthalocyanine indium polymers containing azobenzene. <i>Dyes and Pigments</i> , 2021, 194, 109632.	2.0	6
46	Synthesis, measurements, and theoretical analysis of carbazole derivatives with high-triplet-energy. <i>Journal of Luminescence</i> , 2012, 132, 1200-1206.	1.5	5
47	Structural, electronic and magnetic properties of hydrogenated BC_2N . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 3120-3124.	0.9	5
48	Development of sulfide, nitrogen co-doping hollow carbon with wideband electromagnetic absorption capability. <i>RSC Advances</i> , 2020, 10, 22570-22577.	1.7	5
49	Benzylsulfonyl functionalized phenylpyridine iridium(III) complexes with tunable light emission color: A density functional theory study. <i>Synthetic Metals</i> , 2012, 162, 1190-1197.	2.1	4
50	2,3,4,5-Tetraphenylbiphenyl-Containing $\text{Cu}^{\text{I}}/\text{Re}^{\text{I}}$ Complexes: Synthesis, Property Analysis and Theoretical Studies. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4012-4019.	1.0	4
51	Electrospun carbon nanofiber decorated with Co-Ni alloy nanoparticles as a bifunctional electrocatalyst for Zn-air battery. <i>Materials Letters</i> , 2020, 275, 128135.	1.3	4
52	Synthesis and property studies of novel Bath derivatives containing organosilyl groups with aggregation-induced emission enhancement and optical O_2 sensing characters. <i>Dyes and Pigments</i> , 2016, 125, 210-219.	2.0	3
53	Ionic Re^{I} complexes with 4-(4-triphenylsilylphenyl) pyridine: Synthesis, characterization, sensing properties and DFT calculations. <i>Journal of Luminescence</i> , 2017, 184, 242-249.	1.5	3
54	Controllable synthesis of Ni-dotted Fe_3S_4 with its superior wideband electromagnetic absorbing performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12775-12782.	1.1	3

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55	Photophysical properties and theoretical calculations of Cu(I) dendrimers. <i>Journal of Luminescence</i> , 2014, 148, 103-110.	1.5	2
56	AIPE Re(I) complexes with multifunctionalized 2,2'-bipyridine as ligands: Synthesis and optical properties. <i>Optical Materials</i> , 2020, 105, 109876.	1.7	2
57	Synthesis and Characterization of Ultraviolet Light-Emitting Organic Acids. <i>Journal of Fluorescence</i> , 2014, 24, 847-854.	1.3	1
58	Phosphorescent self-healing composites containing Re(I) complexes: preparation and properties. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3645-3656.	0.8	1
59	Mn(II) Complexes with a Novel Triacid as Ligand: Synthesis and Characterization. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 605, 179-186.	0.4	0
60	Novel 1D Mn(II) complexes containing aromatic dicarboxylic acids. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014, 40, 224-231.	0.3	0
61	Ultraviolet light-emitting Cd(II) complexes: synthesis and property studies. <i>Journal of Coordination Chemistry</i> , 2015, 68, 895-903.	0.8	0