

Qingchun Zhang

List of Publications by Year in descending order

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44
papers

976
citations

567144

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454834

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all docs

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	The asymmetrical-structure of supramolecular precursor to improve internal electric field for simultaneously enhancing contaminant degradation and H ₂ O ₂ production performance. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107123.	3.3	7
2	Graphitic-C ₃ N ₄ quantum dots modified FeOOH for photo-Fenton degradation of organic pollutants. <i>Applied Surface Science</i> , 2022, 586, 152792.	3.1	20
3	Fabrication of g-C ₃ N ₄ /Bi ₂ WO ₆ as a direct Z-scheme excellent photocatalyst. <i>New Journal of Chemistry</i> , 2022, 46, 5751-5760.	1.4	10
4	Combination of 3-Aminofurazan-4-carboxylic Acid and Transition Metals to Prepare Functional Energetic Catalysts for Catalyzing the Decomposition of Ammonium Perchlorate. <i>Crystal Growth and Design</i> , 2022, 22, 5802-5813.	1.4	10
5	A novel metal-organic framework precursor strategy to fabricate sub-micron CuO microspheres for catalytic thermal decomposition of ammonium perchlorate. <i>Materials Today Communications</i> , 2021, 26, 102139.	0.9	7
6	Design and synthesis of N-hydroxyalkyl substituted deferiprone: a kind of iron chelating agents for Parkinson's disease chelation therapy strategy. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 467-478.	1.1	3
7	Boosting electron transport over controllable N ligand doping for electrochemical conversion of CO ₂ to syngas. <i>Electrochimica Acta</i> , 2021, 388, 138647.	2.6	3
8	Zeolite Imidazolate Frameworks-67 Precursor to Fabricate a Highly Active Cobalt-Embedded N-Doped Porous Graphitized Carbon Catalyst for the Thermal Decomposition of Ammonium Perchlorate. <i>ACS Omega</i> , 2021, 6, 25440-25446.	1.6	10
9	Novel energetic coordination compound [Cu(AT) ₄]Cl ₂ for catalytic thermal decomposition of ammonium perchlorate. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122622.	1.4	9
10	Fabrication and photocatalytic activity of graphitic-C ₃ N ₄ quantum dots-decorated basic zinc carbonate prepared by a co-precipitation method. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 20329-20339.	1.3	5
11	High-Quality Carbon Nitride Quantum Dots on Photoluminescence: Effect of Carbon Sources. <i>Langmuir</i> , 2021, 37, 1760-1767.	1.6	51
12	Facile synthesis of quantum dots/TiO ₂ photocatalyst with superior photocatalytic activity: the effect of carbon nitride quantum dots and N-doped carbon dots. <i>Research on Chemical Intermediates</i> , 2021, 47, 5229-5247.	1.3	6
13	An isothermal decomposition dynamics research instrument and its application in HMX/TNT/Al composite explosive. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2265-2272.	2.0	16
14	Synthesis of novel ultraviolet stabilizers based on [60]fullerene and their effects on photo-oxidative degradation of polystyrene. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 465-473.	1.0	4
15	Catechol amide derivatized polyhydroxylated fullerene as potential chelating agents of radionuclides: Synthesis, reactive oxygen species scavenging, and cytotoxic studies. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110921.	1.5	16
16	Photocatalytic degradation of tetracycline antibiotics using three-dimensional network structure perylene diimide supramolecular organic photocatalyst under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119122.	10.8	317
17	Air-Flow Impacting Synthesis of Metal Organic Frameworks: A Continuous, Highly Efficient, Large-Scale Mechanochemical Synthetic Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4037-4043.	3.2	18
18	Fullerene Stabilizer 4,11,15,30-Tetraarylamino Fullerenarylaziridine: Regioselective Synthesis, Crystallographic Characterization Derivatives, and Potential Application as Propellant Stabilizer. <i>ACS Applied Energy Materials</i> , 2020, 3, 3005-3014.	2.5	15

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19	Pyridine-Diketopyrrolopyrrole-Based Novel Metal-Free Visible-Light Organophotoredox Catalyst for Atom-Transfer Radical Polymerization. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1068-1075.	1.1	14
20	Novel strategies for synthesizing energetic materials based on BTO with improved performances. <i>Dalton Transactions</i> , 2019, 48, 11848-11854.	1.6	30
21	Hexadentate $\hat{\eta}^2$ -Dicarbonyl(bis-catecholamine) Ligands for Efficient Uranyl Cation Decorporation: Thermodynamic and Antioxidant Activity Studies. <i>Inorganic Chemistry</i> , 2019, 58, 14626-14634.	1.9	5
22	Study on the isothermal decomposition kinetics and mechanism of nitrocellulose. <i>Polymer Testing</i> , 2019, 75, 337-343.	2.3	62
23	New hexadentate tris(dopamine) as iron chelating agent: Synthesis, solution thermodynamic stability and antioxidant activity studies. <i>Polyhedron</i> , 2019, 160, 261-267.	1.0	7
24	Thermodynamics and kinetics of polyglycidyl nitrate-based urethane network formation by microcalorimetry. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 397-404.	1.0	8
25	Synthesis, characterization and thermal decomposition performance of polyaminofullerene nitrate. <i>Thermochimica Acta</i> , 2018, 663, 110-117.	1.2	10
26	Kinetic and thermodynamic analysis of the hydroxyl-terminated polybutadiene binder system by using microcalorimetry. <i>Thermochimica Acta</i> , 2018, 659, 13-18.	1.2	17
27	Controllable synthesis of flower-like MoSe_2 3D microspheres for highly efficient visible-light photocatalytic degradation of nitro-aromatic explosives. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11424-11434.	5.2	66
28	The mono(catecholamine) derivatives as iron chelators: synthesis, solution thermodynamic stability and antioxidant properties research. <i>Royal Society Open Science</i> , 2018, 5, 171492.	1.1	17
29	Thermal decomposition of CL-20 via a self-modified dynamic vacuum stability test. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1833-1840.	2.0	17
30	Synthesis of a tetrazine-based catecholamide derivative and its evaluation as a chelating agent for removal of Cd(II), Co(II), and Cu(II). <i>Journal of Coordination Chemistry</i> , 2017, 70, 2384-2392.	0.8	2
31	Large-area snow-like MoSe_2 monolayers: synthesis, growth mechanism, and efficient electrocatalyst application. <i>Nanotechnology</i> , 2017, 28, 275704.	1.3	26
32	New tris(dopamine) derivative as an iron chelator. Synthesis, solution thermodynamic stability, and antioxidant research. <i>Journal of Inorganic Biochemistry</i> , 2017, 171, 29-36.	1.5	13
33	Synthesis, thermal behavior, and energetic properties of diuronium 1H,1 $\hat{\epsilon}$ ² H-5,5 $\hat{\epsilon}$ ² -bistetrazole-1,1 $\hat{\epsilon}$ ² -diolate salt. <i>Journal of Molecular Structure</i> , 2017, 1133, 519-525.	1.8	14
34	Chlorofullerene C_{60}Cl_6 : A Precursor for Straightforward Preparation of Highly Water-Soluble Polyhydroxypyridinone Fullerene Derivatives as Potential Radionuclide Chelators. <i>ChemistrySelect</i> , 2017, 2, 12028-12033.	0.7	2
35	Investigation on the Synthesis and Photocatalytic Property of Uranyl Complexes of the $\hat{\eta}^2$ -Diketonates Biscatecholamide Ligand. <i>International Journal of Photoenergy</i> , 2017, 2017, 1-12.	1.4	3
36	Nitrogen-Rich Energetic Metal-Organic Framework: Synthesis, Structure, Properties, and Thermal Behaviors of Pb(II) Complex Based on N,N-Bis(1H-tetrazole-5-yl)-Amine. <i>Materials</i> , 2016, 9, 681.	1.3	33

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37	Nitrogen-rich energetic salts of 1H,1H,5,5-bistetrazole-1,1-diolate: synthesis, characterization, and thermal behaviors. <i>RSC Advances</i> , 2016, 6, 48590-48598.	1.7	22
38	Water-soluble [60] fullerene derivatives as potential chelating agents of radionuclides via chlorofullerene (C ₆₀ Cl ₆) as a precursor. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 705-711.	1.0	3
39	Synthesis of bifunctional biscatecholamine chelators for uranium decorporation. <i>Polyhedron</i> , 2016, 119, 387-395.	1.0	9
40	Novel enterobactin analogues as potential therapeutic chelating agents: Synthesis, thermodynamic and antioxidant studies. <i>Scientific Reports</i> , 2016, 6, 34024.	1.6	9
41	Synthesis, characterization and properties of nitrogen-rich compounds based on cyanuric acid: a promising design in the development of new energetic materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4971-4981.	5.2	28
42	Synthesis and characterization of a potential bifunctional C ₆₀ -based catechol amide ligand. <i>Mendeleev Communications</i> , 2015, 25, 204-206.	0.6	7
43	Symmetrical 1,3-dicarbonyl biscatecholamide ligands as sequestering agents for uranyl decorporation. <i>Polyhedron</i> , 2015, 87, 417-423.	1.0	9
44	DMSO: An Efficient Catalyst for the Cyclopropanation of C ₆₀ , C ₇₀ , SWNTs, and Graphene through the Bingel Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 2879-2885.	1.8	16