

Zhiqiang Shi

List of Publications by Year in descending order

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40
papers

898
citations

471061

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476904

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42
times ranked

1257
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#	ARTICLE	IF	CITATIONS
1	Perylene tetra-(alkoxycarbonyl) based "turn-on" fluorescent probe for selective recognition of Cu(II) and its fluorescence imaging in living cells. <i>Tetrahedron</i> , 2022, , 132840.	1.0	1
2	Highly-improved performance of inverted planar perovskite solar cells by glucose modification. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5894-5903.	2.7	19
3	Perylene diimide-functionalized CeO ₂ nanocomposite as a peroxidase mimic for colorimetric determination of hydrogen peroxide and glutathione. <i>Mikrochimica Acta</i> , 2019, 186, 332.	2.5	64
4	Perylene diimide-modified magnetic Fe ₃ O ₄ /CeO ₂ nanoparticles as peroxidase mimics for highly sensitive colorimetric detection of Vitamin C. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4884.	1.7	10
5	A Novel Graphdiyne-Based Catalyst for Effective Hydrogenation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2563-2570.	4.0	42
6	Effect of Replacing Alkyl Side Chains with Triethylene Glycols on Photovoltaic Properties of Easily Accessible Fluorene-Based Non-Fullerene Molecular Acceptors: Improve or Deteriorate?. <i>ACS Applied Energy Materials</i> , 2018, 1, 1276-1285.	2.5	11
7	Synthesis of 1-amino-12-hydroxyl-perylene tetra-(alkoxycarbonyl) for selective sensing of fluoride. <i>Dyes and Pigments</i> , 2018, 156, 225-232.	2.0	10
8	Facile Syntheses, Characterization, and Physical Properties of Sulfur-Decorated Pyran-Annulated Perylene Diimides. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 702-706.	1.3	12
9	Novel hydroxyl-substituted perylene-3,4,9,10-tetracarboxylic acid diimides for selective recognition of fluoride. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 719-726.	4.0	16
10	N,N'-Di-carboxymethyl perylene diimide functionalized magnetic nanocomposites with enhanced peroxidase-like activity for colorimetric sensing of H ₂ O ₂ and glucose. <i>New Journal of Chemistry</i> , 2017, 41, 5853-5862.	1.4	65
11	N,N'-di-carboxy methyl perylene diimide (PDI) functionalized CuO nanocomposites with enhanced peroxidase-like activity and their application in visual biosensing of H ₂ O ₂ and glucose. <i>RSC Advances</i> , 2017, 7, 25220-25228.	1.7	58
12	High-performance peroxidase mimics for rapid colorimetric detection of H ₂ O ₂ and glucose derived from perylene diimides functionalized Co ₃ O ₄ nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 80, 558-565.	3.8	51
13	Two new chemosensors for fluoride ion based on perylene tetra-(alkoxycarbonyl) derivatives. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 735-743.	4.0	17
14	Efficient energy-level modification of novel pyran-annulated perylene diimides for photocatalytic water splitting. <i>Chemical Communications</i> , 2017, 53, 6918-6921.	2.2	15
15	pH-Sensitive perylene tetra-(alkoxycarbonyl) probes for live cell imaging. <i>New Journal of Chemistry</i> , 2016, 40, 6615-6622.	1.4	12
16	Self-assembly, optical and electrical properties of five membered O- or S-heterocyclic annulated perylene diimides. <i>Dyes and Pigments</i> , 2016, 135, 41-48.	2.0	24
17	Facile synthesis and controllable bromination of asymmetrical intermediates of perylene monoanhydride/monoimide diester. <i>Dyes and Pigments</i> , 2013, 98, 450-458.	2.0	29
18	Synthesis, characterization and photovoltaic properties of conjugated copolymers based on 2-alkyl-thieno[3,4-b]imidazole. <i>Synthetic Metals</i> , 2012, 162, 1694-1700.	2.1	5

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19	Synthesis of Water-Soluble Perylene Dicarboximide Derivatives Containing Pyridine Oxide Groups. <i>Synthetic Communications</i> , 2012, 42, 1472-1479.	1.1	4
20	Facile synthesis and replacement reactions of mono-substituted perylene bisimide dyes. <i>Dyes and Pigments</i> , 2012, 95, 450-454.	2.0	31
21	Tunable fluorescent pH sensor based on water-soluble perylene tetracarboxylic acid/Fe ³⁺ . <i>Luminescence</i> , 2012, 27, 307-309.	1.5	15
22	Synthesis of Zwitterionic Water-Soluble Oligofluorenes with Good Light-Harvesting Ability. <i>Advanced Functional Materials</i> , 2010, 20, 2175-2180.	7.8	17
23	Convenient and Efficient Preparation of Ethyl 6-n-Decyloxy-7-ethoxy-4-hydroxyquinoline-3-carboxylate. <i>Synthetic Communications</i> , 2010, 40, 992-997.	1.1	2
24	A novel substitution reaction of perylene bisimides with Ph ₂ PLi at the 1±-position. <i>New Journal of Chemistry</i> , 2010, 34, 61-64.	1.4	4
25	Water-soluble 3,4:9,10-eperylene tetracarboxylic ammonium as a high-performance fluorochrome for living cells staining. <i>Luminescence</i> , 2009, 24, 140-143.	1.5	20
26	Cationic conjugated polyelectrolyte-based fluorometric detection of copper(II) ions in aqueous solution. <i>Polymer</i> , 2008, 49, 2698-2703.	1.8	40
27	Layer-by-layer self-assembled hollow titania composite nanospheres containing [60]fullerene. <i>New Journal of Chemistry</i> , 2008, 32, 581.	1.4	2
28	Highly Water-soluble [60]Fullerene-ethylenediamino-β ² -cyclodextrin Inclusion Complex: The Synthesis and Self-assembly with Poly (Acrylic Acid). <i>Supramolecular Chemistry</i> , 2008, 20, 295-299.	1.5	6
29	Perylene Diimide Dyes Aggregates: Optical Properties and Packing Behavior in Solution and Solid State. <i>Supramolecular Chemistry</i> , 2007, 19, 141-149.	1.5	51
30	Fluorescence Turn-On Detection of Nitric Oxide in Aqueous Solution Using Cationic Conjugated Polyelectrolytes. <i>Macromolecular Rapid Communications</i> , 2007, 28, 241-245.	2.0	50
31	A Facile and Controllable Synthesis of β ³ -Al ₂ O ₃ Nanostructures without a Surfactant. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4366-4369.	1.0	56
32	Composites of C ₆₀ based poly(phenylene vinylene) dyad and conjugated polymer for polymer light-emitting devices. <i>Applied Physics Letters</i> , 2002, 80, 3847-3849.	1.5	17
33	SYNTHESIS OF NEW C ₆₀ -BASED DYADS CONTAINING CARBAZOLE AND BENZOTHAZOLE MOIETIES. <i>Synthetic Communications</i> , 2002, 32, 2507-2512.	1.1	5
34	Self-Assembly and Characterization of Supramolecular [60]Fullerene-Containing 2,6-Diacylamidopyridine with Uracil Derivative by Hydrogen-Bonding Interaction. <i>Organic Letters</i> , 2002, 4, 1179-1182.	2.4	36
35	Title is missing!. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1931-1935.	1.1	6
36	C ₆₀ based nanoparticles: self-assembly of a novel fullerene derivative. <i>New Journal of Chemistry</i> , 2001, 25, 670-672.	1.4	19

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37	The self-assembly of [60]fullerene-substituted 2,2'-bipyridine on the surface of Au(111) and Au nanoparticles. <i>New Journal of Chemistry</i> , 2001, 25, 1191-1194.	1.4	18
38	Synthesis and antioxidative properties of polyphenol-fullerenes. <i>Science Bulletin</i> , 2001, 46, 1790-1792.	1.7	7
39	Synthesis and Characterization of a Novel Class of PPV Derivatives Covalently Linked to C60. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1313-1318.	2.0	26
40	Synthesis and magnetic property of a nitroxide based on C60. <i>Science Bulletin</i> , 2000, 45, 896-899.	1.7	5