

Zhen Fang

List of Publications by Year in descending order

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33
papers

1,693
citations

279798

23
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

2290
citing authors

#	ARTICLE	IF	CITATIONS
1	Naked-Eye Detection and Quantification of Heparin in Serum with a Cationic Polythiophene. <i>Analytical Chemistry</i> , 2010, 82, 1326-1333.	6.5	133
2	Photoinduced Electron Transfer in a Chromophore-Catalyst Assembly Anchored to TiO ₂ . <i>Journal of the American Chemical Society</i> , 2012, 134, 19189-19198.	13.7	116
3	Synthesis of Phosphonic Acid Derivatized Bipyridine Ligands and Their Ruthenium Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 12492-12501.	4.0	114
4	Bridged Triphenylamine-Based Dendrimers: Tuning Enhanced Two-Photon Absorption Performance with Locked Molecular Planarity. <i>Organic Letters</i> , 2009, 11, 1-4.	4.6	111
5	Low-Bandgap Donor-Acceptor Conjugated Polymer Sensitizers for Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 3063-3069.	13.7	105
6	Asymmetric Fluorescence Quenching of Dual-Emissive Porphyrin-Containing Conjugated Polyelectrolytes for Naked-Eye Mercury Ion Detection. <i>Macromolecules</i> , 2008, 41, 8380-8387.	4.8	82
7	Effect of Charge Density on Energy-Transfer Properties of Cationic Conjugated Polymers. <i>Advanced Functional Materials</i> , 2008, 18, 1321-1328.	14.9	79
8	Low-Potential Water Oxidation by a Surface-Bound Ruthenium-Chromophore-Ruthenium-Catalyst Assembly. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13580-13583.	13.8	72
9	Redox Mediator Effect on Water Oxidation in a Ruthenium-Based Chromophore-Catalyst Assembly. <i>Journal of the American Chemical Society</i> , 2013, 135, 2080-2083.	13.7	70
10	Bridged-triarylamine starburst oligomers as hole transporting materials for electroluminescent devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 15397.	6.7	67
11	A Triphenylamine-Based Conjugated Polymer with Donor-Acceptor Architecture as Organic Sensitizer for Dye-Sensitized Solar Cells. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1533-1537.	3.9	60
12	An Amide-Linked Chromophore-Catalyst Assembly for Water Oxidation. <i>Inorganic Chemistry</i> , 2012, 51, 6428-6430.	4.0	60
13	Bridged triphenylamine based molecules with large two-photon absorption cross sections in organic and aqueous media. <i>Chemical Communications</i> , 2009, , 920.	4.1	59
14	Electron Transfer Mediator Effects in the Oxidative Activation of a Ruthenium Dicarboxylate Water Oxidation Catalyst. <i>ACS Catalysis</i> , 2015, 5, 4404-4409.	11.2	59
15	Photophysical Characterization of a Chromophore/Water Oxidation Catalyst Containing a Layer-by-Layer Assembly on Nanocrystalline TiO ₂ Using Ultrafast Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10301-10308.	2.5	45
16	A cationic porphyrin-based self-assembled film for mercury ion detection. <i>Tetrahedron Letters</i> , 2008, 49, 2311-2315.	1.4	38
17	Soluble Reduced Graphene Oxide Sheets Grafted with Polypyridylruthenium-Derivatized Polystyrene Brushes as Light Harvesting Antenna for Photovoltaic Applications. <i>ACS Nano</i> , 2013, 7, 7992-8002.	14.6	36
18	Synthesis and Electrocatalytic Water Oxidation by Electrode-Bound Helical Peptide Chromophore-Catalyst Assemblies. <i>Inorganic Chemistry</i> , 2014, 53, 8120-8128.	4.0	35

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19	Electron Transfer Mediator Effects in Water Oxidation Catalysis by Solution and Surface-Bound Ruthenium Bpy-Dicarboxylate Complexes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25420-25428.	3.1	33
20	Light Harvesting and Charge Separation in a π -Conjugated Antenna Polymer Bound to TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2014, 118, 28535-28541.	3.1	31
21	Excited-State Dynamics in Rigid Media: Evidence for Long-Range Energy Transfer. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3428-3438.	2.6	30
22	Controlled Electropolymerization of Ruthenium(II) Vinylbipyridyl Complexes in Mesoporous Nanoparticle Films of TiO ₂ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4872-4876.	13.8	29
23	Ru(bpy) ₃ ²⁺ derivatized polystyrenes constructed by nitroxide-mediated radical polymerization. Relationship between polymer chain length, structure and photophysical properties. <i>Polymer Chemistry</i> , 2015, 6, 8184-8193.	3.9	23
24	High Surface Area Antimony-Doped Tin Oxide Electrodes Templated by Graft Copolymerization. Applications in Electrochemical and Photoelectrochemical Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25121-25128.	8.0	22
25	Atom Transfer Radical Polymerization Preparation and Photophysical Properties of Polypyridylruthenium Derivatized Polystyrenes. <i>Inorganic Chemistry</i> , 2013, 52, 8511-8520.	4.0	21
26	Tuning two-photon absorption cross-sections for triphenylamine derivatives. <i>RSC Advances</i> , 2013, 3, 17914.	3.6	18
27	Sensitization of ultra-long-range excited-state electron transfer by energy transfer in a polymerized film. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15132-15135.	7.1	16
28	Analysis of Homogeneous Water Oxidation Catalysis with Collector-Generator Cells. <i>Inorganic Chemistry</i> , 2016, 55, 512-517.	4.0	16
29	Polypyridyl Ru(II)-derivatized polypropylacrylate polymer with a terminal water oxidation catalyst. Application of reversible addition-fragmentation chain transfer polymerization. <i>Dalton Transactions</i> , 2015, 44, 8640-8648.	3.3	14
30	Triphenylamine derivatized phenylacetylene macrocycle with large two-photon absorption cross-section. <i>Tetrahedron Letters</i> , 2012, 53, 4885-4888.	1.4	13
31	Long-range photoinduced electron transfer dynamics in rigid media. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4880.	2.8	11
32	Multiple Pathways in the Oxidation of a NADH Analogue. <i>Inorganic Chemistry</i> , 2014, 53, 4100-4105.	4.0	10
33	Conjugated polymer with rigid donor poly(<i>para</i> -divinylphenylamino) backbone and pendant cyanoacetic acid acceptor for dye sensitized solar cells. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2958-2965.	2.3	3