

Xu-Zhe Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

671
citations

15
h-index

24
g-index

24
ext. papers

820
ext. citations

8.9
avg, IF

3.78
L-index

#	Paper	IF	Citations
24	Direct Allylic C(sp ³)-H and Vinylic C(sp ²)-H Thiolation with Hydrogen Evolution by Quantum Dots and Visible Light. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11779-11783	16.4	13
23	Direct Allylic C(sp ³)-H and Vinylic C(sp ²)-H Thiolation with Hydrogen Evolution by Quantum Dots and Visible Light. <i>Angewandte Chemie</i> , 2021 , 133, 11885-11889	3.6	2
22	Quantum dots enable direct alkylation and arylation of allylic C(sp ³)-H bonds with hydrogen evolution by solar energy. <i>Chem</i> , 2021 , 7, 1244-1257	16.2	17
21	A novel BODIPY-based fluorescent probe for sensitive and selective detection of nerve agent simulants through base-assisted photo-induced electron transfer process. <i>Sensors and Actuators B: Chemical</i> , 2021 , 337, 129804	8.5	5
20	Per-6-Thiol-Cyclodextrin Engineered [FeFe]-Hydrogenase Mimic/CdSe Quantum Dot Assembly for Photocatalytic Hydrogen Production. <i>Solar Rrl</i> , 2021 , 5, 2000474	7.1	3
19	Mechanistic Insights Into Iron(II) Bis(pyridyl)amine-Bipyridine Skeleton for Selective CO Photoreduction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26072-26079	16.4	4
18	Site- and Spatial-Selective Integration of Non-noble Metal Ions into Quantum Dots for Robust Hydrogen Photogeneration. <i>Matter</i> , 2020 , 3, 571-585	12.7	20
17	Identifying a Real Catalyst of [NiFe]-Hydrogenase Mimic for Exceptional H ₂ Photogeneration. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18400-18404	16.4	6
16	Identifying a Real Catalyst of [NiFe]-Hydrogenase Mimic for Exceptional H ₂ Photogeneration. <i>Angewandte Chemie</i> , 2020 , 132, 18558-18562	3.6	1
15	Direct synthesis of all-inorganic heterostructured CdSe/CdS QDs in aqueous solution for improved photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10365-10373	13	63
14	Integrating CdSe Quantum Dots with a [FeFe]-Hydrogenase Mimic into a Photocathode for Hydrogen Evolution at a Low Bias Voltage. <i>ChemPhotoChem</i> , 2017 , 1, 260-264	3.3	12
13	Secondary coordination sphere accelerates hole transfer for enhanced hydrogen photogeneration from [FeFe]-hydrogenase mimic and CdSe QDs in water. <i>Scientific Reports</i> , 2016 , 6, 29851	4.9	24
12	Protonated Graphitic Carbon Nitride with Surface Attached Molecule as Hole Relay for Efficient Photocatalytic O ₂ Evolution. <i>ACS Catalysis</i> , 2016 , 6, 8336-8341	13.1	34
11	Development of a BODIPY-based ratiometric fluorescent probe for hypochlorous acid and its application in living cells. <i>Analytica Chimica Acta</i> , 2016 , 911, 114-120	6.6	45
10	Comparison of H ₂ photogeneration by [FeFe]-hydrogenase mimics with CdSe QDs and Ru(bpy) ₃ Cl ₂ in aqueous solution. <i>Energy and Environmental Science</i> , 2016 , 9, 2083-2089	35.4	50
9	The singlet excited state of BODIPY promoted aerobic cross-dehydrogenative-coupling reactions under visible light. <i>Chemical Communications</i> , 2015 , 51, 11256-9	5.8	79
8	Branched polyethylenimine improves hydrogen photoproduction from a CdSe quantum dot/[FeFe]-hydrogenase mimic system in neutral aqueous solutions. <i>Chemistry - A European Journal</i> , 2015 , 21, 3187-92	4.8	48

7	Construction of BODIPY-CTAB assemblies for ratiometric fluorescence pH measurements in complete water system. <i>Dyes and Pigments</i> , 2014 , 101, 130-135	4.6	9
6	Development of BODIPY-based fluorescent DNA intercalating probes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 264, 41-47	4.7	19
5	Pyridone fused boron-dipyrromethenes: synthesis and properties. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 372-7	3.9	18
4	6-Hydroxyindole-based borondipyrromethene: synthesis and spectroscopic studies. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 267-72	3.9	30
3	Design of a ratiometric fluorescent probe for benzenethiols based on a thiol-sulfoxide reaction. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 4689-91	3.9	40
2	Borondipyrromethene-derived Cu ²⁺ sensing chemodosimeter for fast and selective detection. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 3104-9	3.9	50
1	Target-triggered deprotonation of 6-hydroxyindole-based BODIPY: specially switch on NIR fluorescence upon selectively binding to Zn ²⁺ . <i>Chemical Communications</i> , 2012 , 48, 9897-9	5.8	79