Xiaolin Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/750193/publications.pdf

Version: 2024-02-01

39 papers	1,668 citations	361413 20 h-index	345221 36 g-index
42 all docs	42 docs citations	42 times ranked	2304 citing authors

#	Article	IF	Citations
1	Lead halide perovskites for photocatalytic organic synthesis. Nature Communications, 2019, 10, 2843.	12.8	263
2	Lead-Halide Perovskites for Photocatalytic Î±-Alkylation of Aldehydes. Journal of the American Chemical Society, 2019, 141, 733-738.	13.7	263
3	An AIE-active boron-difluoride complex: multi-stimuli-responsive fluorescence and application in data security protection. Chemical Communications, 2014, 50, 12951-12954.	4.1	183
4	Rhodium(III)â€Catalyzed Atroposelective Synthesis of Biaryls by Câ^'H Activation and Intermolecular Coupling with Sterically Hindered Alkynes. Angewandte Chemie - International Edition, 2020, 59, 13288-13294.	13.8	98
5	Recent Progress in Engineering Metal Halide Perovskites for Efficient Visibleâ€Lightâ€Driven Photocatalysis. ChemSusChem, 2020, 13, 4005-4025.	6.8	79
6	Ultrafast Reaction Mechanisms in Perovskite Based Photocatalytic Câ€“C Coupling. ACS Energy Letters, 2020, 5, 566-571.	17.4	61
7	In situ heterogeneous interface construction boosting fast ion/electron transfer for high-performances lithium/potassium storage. Energy Storage Materials, 2021, 37, 55-66.	18.0	60
8	Twofold Câ^'H Activationâ€Based Enantioâ€•and Diastereoselective Câ^'H Arylation Using Diarylacetylenes as Rare Arylating Reagents. Angewandte Chemie - International Edition, 2021, 60, 20424-20429.	13.8	58
9	Ï€-Expansive Heteroleptic Ruthenium(II) Complexes as Reverse Saturable Absorbers and Photosensitizers for Photodynamic Therapy. Inorganic Chemistry, 2017, 56, 3245-3259.	4.0	57
10	Plasmon-Enhanced Layered Double Hydroxide Composite BiVO₄ Photoanodes: Layering-Dependent Modulation of the Water-Oxidation Reaction. ACS Applied Energy Materials, 2018, 1, 3577-3586.	5.1	52
11	Enhanced photoredox activity of CsPbBr3 nanocrystals by quantitative colloidal ligand exchange. Journal of Chemical Physics, 2019, 151, 204305.	3.0	52
12	Controlled Synthesis of 1,3,5-Oxadiazin-2-ones and Oxazolones through Regioselective Iodocyclization of Ynamides. Organic Letters, 2015, 17, 2510-2513.	4.6	43
13	Multifunctional Cationic Iridium(III) Complexes Bearing 2-Aryloxazolo[4,5-f][1,10]phenanthroline (N^N) Ligand: Synthesis, Crystal Structure, Photophysics, Mechanochromic/Vapochromic Effects, and Reverse Saturable Absorption. Inorganic Chemistry, 2017, 56, 13715-13731.	4.0	37
14	Palladium-Catalyzed Intramolecular Cyclization of Ynamides: Synthesis of 4-Halo-oxazolones. Journal of Organic Chemistry, 2015, 80, 3480-3487.	3.2	36
15	Rhodium(III)â€Catalyzed Atroposelective Synthesis of Biaryls by Câ^'H Activation and Intermolecular Coupling with Sterically Hindered Alkynes. Angewandte Chemie, 2020, 132, 13390-13396.	2.0	32
16	Tuning the Photophysics and Reverse Saturable Absorption of Heteroleptic Cationic Iridium(III) Complexes via Substituents on the 6,6â€²-Bis(fluoren-2-yl)-2,2â€²-biquinoline Ligand. Inorganic Chemistry, 2016, 55, 11908-11919.	4.0	31
17	Highâ€Performance Photoelectrochemical Water Oxidation with Phosphorusâ€Doped and Metal Phosphide Cocatalystâ€Modified gâ€C₃N₄ Formation Through Gas Treatment. ChemSusChem, 2019, 12, 898-907.	6.8	29
18	Iodineâ€Mediated Oxidation of Ynamides: A Facile Access to Nâ€Monosubstituted Î±â€Ketoamides and Î±â€Ketoimides. European Journal of Organic Chemistry, 2014, 2014, 7174-7183.	2.4	27

#	Article	IF	Citations
19	A fibrous thiazolothiazole-bridged viologen polymer for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 18506-18514.	10.3	26
20	Aza-boron-diquinomethene complexes bearing N-aryl chromophores: synthesis, crystal structures, tunable photophysics, the protonation effect and their application as pH sensors. Journal of Materials Chemistry C, 2015, 3, 3774-3782.	5.5	20
21	Blue-light-emitting multifunctional triphenylamine-centered starburst quinolines: synthesis, electrochemical and photophysical properties. Organic and Biomolecular Chemistry, 2012, 10, 4704.	2.8	18
22	A highly efficient and selective probe for Fâ˜ detection based on 1H-imidazo[4,5-b]phenazine derivative. Chinese Chemical Letters, 2015, 26, 339-342.	9.0	17
23	Synthesis, Characterization and Photobiological Studies of Ru(<scp>II</scp>) Dyads Derived from Î±â€Oligothiophene Derivatives of 1,10â€Phenanthroline. Photochemistry and Photobiology, 2019, 95, 267-279.	2.5	16
24	Synthesis and luminescent properties of star-burst D-Ï€-A compounds based on 1,3,5-triazine core and carbazole end-capped phenylene ethynylene arms. Journal of Luminescence, 2014, 156, 130-136.	3.1	14
25	The synthesis, photophysical and electrochemical properties of a series of novel 3,8,13-substituted triindole derivatives. Dyes and Pigments, 2012, 95, 679-688.	3.7	13
26	Photocatalytic degradation of methylene blue solution by diphenylanthrazoline compounds. Journal of Physical Organic Chemistry, 2017, 30, e3712.	1.9	13
27	Twofold Câ˜H Activationâ€Based Enantioâ€and Diastereoselective Câ˜H Arylation Using Diarylacetylenes as Rare Arylating Reagents. Angewandte Chemie, 2021, 133, 20587-20592.	2.0	11
28	Stable 2D Bisthienoacenes: Synthesis, Crystal Packing, and Photophysical Properties. Chemistry - A European Journal, 2018, 24, 14442-14447.	3.3	9
29	Design, synthesis, crystal structures, and photophysical properties of tetraphenylethene-based quinoline derivatives. Dyes and Pigments, 2019, 171, 107657.	3.7	9
30	Synthesis, Luminescent Properties of aza-Boron-Diquinomethene Difluoride Complexes and Their Application for Fluorescent Security Inks. Journal of Fluorescence, 2016, 26, 407-412.	2.5	8
31	Supramolecular polymerization of BODIPY dyes extended with rationally designed pyrazole-based motifs. Polymer Chemistry, 0, , .	3.9	7
32	Multinuclear 2-(Quinolin-2-yl)quinoxaline-Coordinated Iridium(III) Complexes Tethered by Carbazole Derivatives: Synthesis and Photophysics. Inorganic Chemistry, 2020, 59, 17096-17108.	4.0	7
33	Development of anthrazoline photocatalysts for promoting amination and amidation reactions. Chemical Communications, 2022, 58, 3529-3532.	4.1	7
34	Synthesis, Aggregation Induced Emission and Mechanochromic Luminescence of New Î²-Diketone Derivatives Bearing Tetraphenylene Moieties. Journal of Fluorescence, 2016, 26, 2005-2013.	2.5	6
35	Developing luminescent ratiometric thermometers based on copolymers containing Platinum(II) isocyanide complex. Dyes and Pigments, 2021, 184, 108815.	3.7	4
36	Synthesis, crystal structures, and photophysical properties of a series of novel tetrahydrobenzodiacridines. Journal of Luminescence, 2013, 134, 566-575.	3.1	1

#	Article	IF	Citations
37	Wellâ€defined structures and nanoscale morphology for allâ€conjugated BCPs. Micro and Nano Letters, 2019, 14, 928-931.	1.3	1
38	2-(2-Nitroanilino)benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o213-o213.	0.2	0
39	Effect of Adsorption Structure upon Directional Charge Transfer and Electronic Coupling in a Hybrid Dye Sensitizer based on a Cadmium Sulfide Quantum Dot. Energy Technology, 2021, 9, 2100565.	3.8	0