

Liangdong Zhu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8017715/liangdong-zhu-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

44
papers

970
citations

17
h-index

30
g-index

45
ext. papers

1,326
ext. citations

5.6
avg, IF

4.5
L-index

#	Paper	IF	Citations
44	Illuminating Excited-State Intramolecular Proton Transfer of a Fungi-Derived Red Pigment for Sustainable Functional Materials. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 459-477	3.8	1
43	High-Symmetry Anthradithiophene Molecular Packing Motifs Promote Thermally Activated Singlet Fission. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 4433-4445	3.8	2
42	Ultrafast Dynamics and Photoresponse of a Fungi-Derived Pigment Xylindein from Solution to Thin Films. <i>Chemistry - A European Journal</i> , 2021 , 27, 5627-5631	4.8	7
41	Transient electronic and vibrational signatures during reversible photoswitching of a cyanobacteriochrome photoreceptor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 250, 119379	4.4	3
40	An Engineered Biliverdin-Compatible Cyanobacteriochrome Enables a Unique Ultrafast Reversible Photoswitching Pathway. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
39	The electrolyte comprising more robust water and superhalides transforms Zn-metal anode reversibly and dendrite-free 2021 , 3, 339-348		26
38	Shedding light on ultrafast ring-twisting pathways of halogenated GFP chromophores from the excited to ground state. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 14636-14648	3.6	4
37	Switching between Ultrafast Pathways Enables a Green-Red Emission Ratiometric Fluorescent-Protein-Based Ca Biosensor. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
36	Ultrafast Triplet State Formation in a Methylated Fungi-Derived Pigment: Toward Rational Molecular Design for Sustainable Optoelectronics. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 17565-17572	3.8	4
35	Excitation ratiometric chloride sensing in a standalone yellow fluorescent protein is powered by the interplay between proton transfer and conformational reorganization. <i>Chemical Science</i> , 2021 , 12, 11382-11393	9.4	3
34	Discovering a rotational barrier within a charge-transfer state of a photoexcited chromophore in solution. <i>Structural Dynamics</i> , 2020 , 7, 024901	3.2	10
33	Ultrafast excited-state proton transfer dynamics in dihalogenated non-fluorescent and fluorescent GFP chromophores. <i>Journal of Chemical Physics</i> , 2020 , 152, 021101	3.9	10
32	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. <i>Angewandte Chemie</i> , 2020 , 132, 1661-1669	3.6	1
31	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1644-1652	16.4	11
30	Time-Resolved Changes in Dielectric Constant of Metal Halide Perovskites under Illumination. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19799-19803	16.4	7
29	Reversible Insertion of Mg-Cl Superhalides in Graphite as a Cathode for Aqueous Dual-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19924-19928	16.4	15
28	Dissecting Optical Response and Molecular Structure of Fluorescent Proteins With Non-canonical Chromophores. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 131	5.6	2

27	Reversible Insertion of Mg-Cl Superhalides in Graphite as a Cathode for Aqueous Dual-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 20096-20100	3.6	8
26	Photoinduced Charge Transfer and Bimetallic Bond Dissociation of a Bi-W Complex in Solution. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7575-7582	6.4	5
25	Designing redder and brighter fluorophores by synergistic tuning of ground and excited states. <i>Chemical Communications</i> , 2019 , 55, 2537-2540	5.8	27
24	Delayed vibrational modulation of the solvated GFP chromophore into a conical intersection. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 9728-9739	3.6	26
23	Photoinduced Proton Transfer of GFP-Inspired Fluorescent Superphotoacids: Principles and Design. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 3804-3821	3.4	22
22	A Dual Plating Battery with the Iodine/[Zn(OH) ₂] Cathode. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15910-15915	16.4	46
21	A Dual Plating Battery with the Iodine/[Zn _{1-x} (OH) ₂] _{2-x} Cathode. <i>Angewandte Chemie</i> , 2019 , 131, 16057-16062	15	
20	Photoinduced charge flow inside an iron porphyrine complex. <i>Chemical Communications</i> , 2019 , 55, 13606-13609	5.8	5
19	Correlated Molecular Structural Motions for Photoprotection after Deep-UV Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2311-2319	6.4	15
18	Photoinduced proton transfer inside an engineered green fluorescent protein: a stepwise-concerted-hybrid reaction. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 12517-12526	3.6	17
17	Uncovering the Hidden Excited State toward Fluorescence of an Intracellular pH Indicator. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4969-4975	6.4	16
16	A ZnCl ₂ water-in-salt electrolyte for a reversible Zn metal anode. <i>Chemical Communications</i> , 2018 , 54, 14097-14099	5.8	275
15	Excited State Structural Evolution of a GFP Single-Site Mutant Tracked by Tunable Femtosecond-Stimulated Raman Spectroscopy. <i>Molecules</i> , 2018 , 23,	4.8	24
14	Watching an Engineered Calcium Biosensor Glow: Altered Reaction Pathways before Emission. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 11986-11995	3.4	8
13	Tuning calcium biosensors with a single-site mutation: structural dynamics insights from femtosecond Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 7138-7146	3.6	11
12	Unveiling Structural Motions of a Highly Fluorescent Superphotoacid by Locking and Fluorinating the GFP Chromophore in Solution. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5921-5928	6.4	34
11	Dynamic Raman Line Shapes on an Evolving Excited-State Landscape: Insights from Tunable Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 5428-5441	2.8	36
10	Initial hydrogen-bonding dynamics of photoexcited coumarin in solution with femtosecond stimulated Raman spectroscopy. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2954-2963	7.1	22

- 9 Ultrafast Structural Evolution and Chromophore Inhomogeneity inside a Green-Fluorescent-Protein-Based Ca(2+) Biosensor. *Journal of Physical Chemistry Letters*, **2016**, 7, 1225-30^{6,4} 25
- 8 Monitoring Photochemical Reaction Pathways of Tungsten Hexacarbonyl in Solution from Femtoseconds to Minutes. *Journal of Physical Chemistry B*, **2016**, 120, 13161-13168 3-4 17
- 7 Panoramic portrait of primary molecular events preceding excited state proton transfer in water. *Chemical Science*, **2016**, 7, 5484-5494 9-4 69
- 6 Simultaneous solution-based generation and characterization of crystalline bismuth thin film by femtosecond laser spectroscopy. *Applied Physics Letters*, **2015**, 107, 061901 3-4 6
- 5 Sum-Frequency-Generation-Based Laser Sidebands for Tunable Femtosecond Raman Spectroscopy in the Ultraviolet. *Applied Sciences (Switzerland)*, **2015**, 5, 48-61 2-6 15
- 4 A versatile femtosecond stimulated Raman spectroscopy setup with tunable pulses in the visible to near infrared. *Applied Physics Letters*, **2014**, 105, 041106 3-4 54
- 3 Cascaded four-wave mixing for broadband tunable laser sideband generation. *Optics Letters*, **2013**, 38, 1772-4 3 23
- 2 Tunable sideband laser from cascaded four-wave mixing in thin glass for ultra-broadband femtosecond stimulated Raman spectroscopy. *Applied Physics Letters*, **2013**, 103, 061110 3-4 18
- 1 Observation of sum-frequency-generation-induced cascaded four-wave mixing using two crossing femtosecond laser pulses in a 0.1 mm beta-barium-borate crystal. *Optics Letters*, **2012**, 37, 3783-5 3 18