

Cheng Chen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,220
citations

567281

15
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1194
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited-State Dynamics of a <i>meta</i> -Dimethylamino Locked GFP Chromophore as a Fluorescence Turn-on Water Sensor. <i>Photochemistry and Photobiology</i> , 2022, 98, 311-324.	2.5	4
2	Fluorescence Modulation of <i>ortho</i> -Green Fluorescent Protein Chromophores Following Ultrafast Proton Transfer in Solution. <i>Journal of Physical Chemistry B</i> , 2022, 126, 5081-5093.	2.6	7
3	The electrolyte comprising more robust water and superhalides transforms Zn metal anode reversibly and dendrite-free. <i>Nature</i> , 2021, 3, 339-348.		100
4	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.	2.8	15
5	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.	3.9	7
6	Developing Bright Green Fluorescent Protein (GFP)-like Fluorogens for Live-Cell Imaging with Nonpolar Protein-Chromophore Interactions. <i>Chemistry - A European Journal</i> , 2021, 27, 8946-8950.	3.3	16
7	A Novel Dialkylamino GFP Chromophore as an Environment-Polarity Sensor Reveals the Role of Twisted Intramolecular Charge Transfer. <i>Chemosensors</i> , 2021, 9, 234.	3.6	12
8	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.	7.4	17
9	Time-Resolved Changes in Dielectric Constant of Metal Halide Perovskites under Illumination. <i>Journal of the American Chemical Society</i> , 2020, 142, 19799-19803.	13.7	14
10	Devising Efficient Red-Shifting Strategies for Bioimaging: A Generalizable Donor-Acceptor Fluorophore Prototype. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1514-1523.	3.3	36
11	Ultrafast excited-state proton transfer dynamics in dihalogenated non-fluorescent and fluorescent GFP chromophores. <i>Journal of Chemical Physics</i> , 2020, 152, 021101.	3.0	14
12	A Dual Plating Battery with the Iodine/[Zn ₂ (OH) ₄] ²⁺ Cathode. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15910-15915.	13.8	86
13	A Dual Plating Battery with the Iodine/[Zn ₂ (OH) ₄] ²⁺ Cathode. <i>Angewandte Chemie</i> , 2019, 131, 16057-16062.	2.0	23
14	Designing redder and brighter fluorophores by synergistic tuning of ground and excited states. <i>Chemical Communications</i> , 2019, 55, 2537-2540.	4.1	40
15	Delayed vibrational modulation of the solvated GFP chromophore into a conical intersection. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9728-9739.	2.8	38
16	Photoinduced Proton Transfer of GFP-Inspired Fluorescent Superphotoacids: Principles and Design. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3804-3821.	2.6	32
17	Unveiling coupled electronic and vibrational motions of chromophores in condensed phases. <i>Journal of Chemical Physics</i> , 2019, 151, 200901.	3.0	40
18	A ZnCl ₂ water-in-salt electrolyte for a reversible Zn metal anode. <i>Chemical Communications</i> , 2018, 54, 14097-14099.	4.1	491

#	ARTICLE	IF	CITATIONS
19	Femtosecond stimulated Raman line shapes: Dependence on resonance conditions of pump and probe pulses. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 492-502.	1.3	24
20	Capturing Structural Snapshots during Photochemical Reactions with Ultrafast Raman Spectroscopy: From Materials Transformation to Biosensor Responses. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3253-3263.	4.6	67
21	Tracking Ultrafast Vibrational Cooling during Excited-State Proton Transfer Reaction with Anti-Stokes and Stokes Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 997-1003.	4.6	51
22	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.	4.6	40
23	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.	2.5	46