

# Cheng Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7449710/publications.pdf>

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	A ZnCl <sub>2</sub> water-in-salt electrolyte for a reversible Zn metal anode. Chemical Communications, 2018, 54, 14097-14099.	4.1	491
2	The electrolyte comprising more robust water and superhalides transforms Zn-metal anode reversibly and dendrite-free. , 2021, 3, 339-348.		100
3	A Dual Plating Battery with the Iodine/[ZnI <sub>2</sub> (OH) <sub>2</sub> ·4H <sub>2</sub> O] <sup>2+</sup> Cathode. Angewandte Chemie - International Edition, 2019, 58, 15910-15915.	13.8	86
4	Capturing Structural Snapshots during Photochemical Reactions with Ultrafast Raman Spectroscopy: From Materials Transformation to Biosensor Responses. Journal of Physical Chemistry Letters, 2018, 9, 3253-3263.	4.6	67
5	Tracking Ultrafast Vibrational Cooling during Excited-State Proton Transfer Reaction with Anti-Stokes and Stokes Femtosecond Stimulated Raman Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 997-1003.	4.6	51
6	Dynamic Raman Line Shapes on an Evolving Excited-State Landscape: Insights from Tunable Femtosecond Stimulated Raman Spectroscopy. Journal of Physical Chemistry A, 2017, 121, 5428-5441.	2.5	46
7	Unveiling Structural Motions of a Highly Fluorescent Superphotoacid by Locking and Fluorinating the GFP Chromophore in Solution. Journal of Physical Chemistry Letters, 2017, 8, 5921-5928.	4.6	40
8	Designing redder and brighter fluorophores by synergistic tuning of ground and excited states. Chemical Communications, 2019, 55, 2537-2540.	4.1	40
9	Unveiling coupled electronic and vibrational motions of chromophores in condensed phases. Journal of Chemical Physics, 2019, 151, 200901.	3.0	40
10	Delayed vibrational modulation of the solvated GFP chromophore into a conical intersection. Physical Chemistry Chemical Physics, 2019, 21, 9728-9739.	2.8	38
11	Devising Efficient Red-Shifting Strategies for Bioimaging: A Generalizable Donor-Acceptor Fluorophore Prototype. Chemistry - an Asian Journal, 2020, 15, 1514-1523.	3.3	36
12	Photoinduced Proton Transfer of GFP-Inspired Fluorescent Superphotoacids: Principles and Design. Journal of Physical Chemistry B, 2019, 123, 3804-3821.	2.6	32
13	Femtosecond stimulated Raman line shapes: Dependence on resonance conditions of pump and probe pulses. Chinese Journal of Chemical Physics, 2018, 31, 492-502.	1.3	24
14	A Dual Plating Battery with the Iodine/[ZnI <sub>2</sub> (OH) <sub>2</sub> ·4H <sub>2</sub> O] <sup>2+</sup> Cathode. Angewandte Chemie, 2019, 131, 16057-16062.	2.0	23
15	Excitation ratiometric chloride sensing in a standalone yellow fluorescent protein is powered by the interplay between proton transfer and conformational reorganization. Chemical Science, 2021, 12, 11382-11393.	7.4	17
16	Developing Bright Green Fluorescent Protein (GFP)-like Fluorogens for Live-Cell Imaging with Nonpolar Protein-Chromophore Interactions. Chemistry - A European Journal, 2021, 27, 8946-8950.	3.3	16
17	Shedding light on ultrafast ring-twisting pathways of halogenated GFP chromophores from the excited to ground state. Physical Chemistry Chemical Physics, 2021, 23, 14636-14648.	2.8	15
18	Time-Resolved Changes in Dielectric Constant of Metal Halide Perovskites under Illumination. Journal of the American Chemical Society, 2020, 142, 19799-19803.	13.7	14

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19	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
20	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
21	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
22	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
23	Excited-State Dynamics of a <i>meta</i> -Dimethylamino Locked GFP Chromophore as a Fluorescence Turn-On Water Sensor <sup>&lt;sup&gt;&lt;/sup&gt;</sup> . <i>Photochemistry and Photobiology</i> , 2022, 98, 311-324.	2.5	4