

Longteng Tang

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,095
citations

394421

19
h-index

434195

31
g-index

44
all docs

44
docs citations

44
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Panoramic portrait of primary molecular events preceding excited state proton transfer in water. <i>Chemical Science</i> , 2016, 7, 5484-5494.	7.4	97
2	A Dual Plating Battery with the Iodine/[Zn(OH) ₂] ₄ ²⁺ Cathode. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15910-15915.	13.8	86
3	Excited-state structural dynamics of a dual-emission calmodulin-green fluorescent protein sensor for calcium ion imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10191-10196.	7.1	70
4	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
5	Early Time Excited-State Structural Evolution of Pyranine in Methanol Revealed by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6024-6042.	2.5	51
6	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
7	Unveiling coupled electronic and vibrational motions of chromophores in condensed phases. <i>Journal of Chemical Physics</i> , 2019, 151, 200901.	3.0	40
8	Reversible Insertion of MgCl Superhalides in Graphite as a Cathode for Aqueous Dual-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19924-19928.	13.8	39
9	Excited State Structural Evolution of a GFP Single-Site Mutant Tracked by Tunable Femtosecond-Stimulated Raman Spectroscopy. <i>Molecules</i> , 2018, 23, 2226.	3.8	38
10	Mapping Structural Dynamics of Proteins with Femtosecond Stimulated Raman Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2020, 71, 239-265.	10.8	37
11	A Non-aqueous H ₃ PO ₄ Electrolyte Enables Stable Cycling of Proton Electrodes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22007-22011.	13.8	35
12	Unraveling Ultrafast Photoinduced Proton Transfer Dynamics in a Fluorescent Protein Biosensor for Ca ²⁺ Imaging. <i>Chemistry - A European Journal</i> , 2015, 21, 6481-6490.	3.3	34
13	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
14	Ultrafast Structural Evolution and Chromophore Inhomogeneity inside a Green-Fluorescent-Protein-Based Ca ²⁺ Biosensor. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1225-1230.	4.6	28
15	Excited State Structural Events of a Dual-Emission Fluorescent Protein Biosensor for Ca ²⁺ Imaging Studied by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2204-2218.	2.6	26
16	Photoinduced proton transfer inside an engineered green fluorescent protein: a stepwise concerted-hybrid reaction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12517-12526.	2.8	24
17	A Dual Plating Battery with the Iodine/[Zn(OH) ₂] ₄ ²⁺ Cathode. <i>Angewandte Chemie</i> , 2019, 131, 16057-16062.	2.0	23
18	Nitration of Tyrosine Channels Photoenergy through a Conical Intersection in Water. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4915-4928.	2.6	23

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19	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1644-1652.	13.8	21
20	Uncovering the Hidden Excited State toward Fluorescence of an Intracellular pH Indicator. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4969-4975.	4.6	19
21	Correlated Molecular Structural Motions for Photoprotection after Deep-UV Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2311-2319.	4.6	18
22	A Graphite ⁺ /PTCDI Aqueous Dual-Ion Battery. <i>ChemSusChem</i> , 2022, 15, e202102394.	6.8	18
23	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
24	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.	2.8	16
25	Reversible Insertion of Mg ⁺ Cl Superhalides in Graphite as a Cathode for Aqueous Dual-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 20096-20100.	2.0	16
26	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
27	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
28	Discovering a rotational barrier within a charge-transfer state of a photoexcited chromophore in solution. <i>Structural Dynamics</i> , 2020, 7, 024901.	2.3	14
29	[LiCl ₂] ⁺ Superhalide: A New Charge Carrier for Graphite Cathode of Dual-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	14
30	Illuminating Photochemistry of an Excitation Ratiometric Fluorescent Protein Calcium Biosensor. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3016-3023.	2.6	13
31	A Non-aqueous H ₃ PO ₄ Electrolyte Enables Stable Cycling of Proton Electrodes. <i>Angewandte Chemie</i> , 2020, 132, 22191-22195.	2.0	13
32	Watching an Engineered Calcium Biosensor Glow: Altered Reaction Pathways before Emission. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11986-11995.	2.6	11
33	Switching between Ultrafast Pathways Enables a Green-Red Emission Ratiometric Fluorescent-Protein-Based Ca ²⁺ Biosensor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 445.	4.1	11
34	Photoswitchable Fluorescent Proteins: Mechanisms on Ultrafast Timescales. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6459.	4.1	11
35	An Engineered Biliverdin-Compatible Cyanobacteriochrome Enables a Unique Ultrafast Reversible Photoswitching Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5252.	4.1	9
36	Photoinduced charge flow inside an iron porphyrine complex. <i>Chemical Communications</i> , 2019, 55, 13606-13609.	4.1	8

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37	Fluorescence Modulation by Ultrafast Chromophore Twisting Events: Developing a Powerful Toolset for Fluorescent-Protein-Based Imaging. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13610-13623.	2.6	8
38	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
39	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.	3.1	7
40	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.	4.6	6
41	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.	3.1	6
42	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. <i>Angewandte Chemie</i> , 2020, 132, 1661-1669.	2.0	2
43	Elucidating Excited-State Hydrogen-Bonding Dynamics and Proton Transfer inside Fluorescent Protein Calcium Biosensors. , 2019, , 55-91.		0