Longteng Tang

List of Publications by Citations

42	675	16	25
papers	citations	h-index	g-index
44	925	6.7	4.42
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
42	Panoramic portrait of primary molecular events preceding excited state proton transfer in water. *Chemical Science*, **2016**, 7, 5484-5494	9.4	69
41	Excited-state structural dynamics of a dual-emission calmodulin-green fluorescent protein sensor for calcium ion imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 10191-6	11.5	53
40	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	6.4	49
39	A Dual Plating Battery with the Iodine/[ZnI (OH)] Cathode. *Angewandte Chemie - International Edition*, **2019**, 58, 15910-15915	16.4	46
38	Early time excited-state structural evolution of pyranine in methanol revealed by femtosecond stimulated Raman spectroscopy. *Journal of Physical Chemistry A*, **2013**, 117, 6024-42	2.8	42
37	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	6.4	36
36	Unraveling ultrafast photoinduced proton transfer dynamics in a fluorescent protein biosensor for Ca(2+) imaging. *Chemistry - A European Journal*, **2015**, 21, 6481-90	4.8	30
35	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
34	Excited State Structural Evolution of a GFP Single-Site Mutant Tracked by Tunable Femtosecond-Stimulated Raman Spectroscopy. *Molecules*, **2018**, 23,	4.8	24
33	Photoinduced Proton Transfer of GFP-Inspired Fluorescent Superphotoacids: Principles and Design. *Journal of Physical Chemistry B*, **2019**, 123, 3804-3821	3.4	22
32	Excited state structural events of a dual-emission fluorescent protein biosensor for Ca□+ imaging studied by femtosecond stimulated Raman spectroscopy. *Journal of Physical Chemistry B*, **2015**, 119, 2204-18	3.4	22
31	Unveiling coupled electronic and vibrational motions of chromophores in condensed phases. *Journal of Chemical Physics*, **2019**, 151, 200901	3.9	22
30	Nitration of Tyrosine Channels Photoenergy through a Conical Intersection in Water. *Journal of Physical Chemistry B*, **2019**, 123, 4915-4928	3.4	17
29	Mapping Structural Dynamics of Proteins with Femtosecond Stimulated Raman Spectroscopy. *Annual Review of Physical Chemistry*, **2020**, 71, 239-265	15.7	17
28	Photoinduced proton transfer inside an engineered green fluorescent protein: a stepwise-concerted-hybrid reaction. *Physical Chemistry Chemical Physics*, **2018**, 20, 12517-12526	3.6	17
27	Uncovering the Hidden Excited State toward Fluorescence of an Intracellular pH Indicator. *Journal of Physical Chemistry Letters*, **2018**, 9, 4969-4975	6.4	16
26	Correlated Molecular Structural Motions for Photoprotection after Deep-UV Irradiation. *Journal of Physical Chemistry Letters*, **2018**, 9, 2311-2319	6.4	15

25	A Dual Plating Battery with the Iodine/[ZnIx(OH2)4⊠]2⊠ Cathode. *Angewandte Chemie*, **2019**, 131, 16057-16062	3.6	15
24	Reversible Insertion of Mg-Cl Superhalides in Graphite as a Cathode for Aqueous Dual-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 19924-19928	16.4	15
23	A Non-aqueous H PO Electrolyte Enables Stable Cycling of Proton Electrodes. *Angewandte Chemie - International Edition*, **2020**, 59, 22007-22011	16.4	13
22	Illuminating Photochemistry of an Excitation Ratiometric Fluorescent Protein Calcium Biosensor. *Journal of Physical Chemistry B*, **2017**, 121, 3016-3023	3.4	12
21	Tuning calcium biosensors with a single-site mutation: structural dynamics insights from femtosecond Raman spectroscopy. *Physical Chemistry Chemical Physics*, **2017**, 19, 7138-7146	3.6	11
20	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. *Angewandte Chemie - International Edition*, **2020**, 59, 1644-1652	16.4	11
19	Discovering a rotational barrier within a charge-transfer state of a photoexcited chromophore in solution. *Structural Dynamics*, **2020**, 7, 024901	3.2	10
18	Reversible Insertion of Mg-Cl Superhalides in Graphite as a Cathode for Aqueous Dual-Ion Batteries. *Angewandte Chemie*, **2020**, 132, 20096-20100	3.6	8
17	Watching an Engineered Calcium Biosensor Glow: Altered Reaction Pathways before Emission. *Journal of Physical Chemistry B*, **2018**, 122, 11986-11995	3.4	8
16	Time-Resolved Changes in Dielectric Constant of Metal Halide Perovskites under Illumination. *Journal of the American Chemical Society*, **2020**, 142, 19799-19803	16.4	7
15	A Non-aqueous H3PO4 Electrolyte Enables Stable Cycling of Proton Electrodes. *Angewandte Chemie*, **2020**, 132, 22191-22195	3.6	7
14	Photoinduced Charge Transfer and Bimetallic Bond Dissociation of a Bi-W Complex in Solution. *Journal of Physical Chemistry Letters*, **2020**, 11, 7575-7582	6.4	5
13	Photoinduced charge flow inside an iron porphyrazine complex. *Chemical Communications*, **2019**, 55, 13606-13609	5.8	5
12	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	3.6	4
11	Switching between Ultrafast Pathways Enables a Green-Red Emission Ratiometric Fluorescent-Protein-Based Ca Biosensor. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
10	Ultrafast Triplet State Formation in a Methylated Fungi-Derived Pigment: Toward Rational Molecular Design for Sustainable Optoelectronics. *Journal of Physical Chemistry C*, **2021**, 125, 17565-17572	3.8	4
9	Transient electronic and vibrational signatures during reversible photoswitching of a cyanobacteriochrome photoreceptor. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 250, 119379	4.4	3
8	An Engineered Biliverdin-Compatible Cyanobacteriochrome Enables a Unique Ultrafast Reversible Photoswitching Pathway. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3

7	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	9.4	3
6	A Graphite||PTCDI Aqueous Dual-Ion Battery.. *ChemSusChem*, **2022**, e202102394	8.3	1
5	Illuminating Excited-State Intramolecular Proton Transfer of a Fungi-Derived Red Pigment for Sustainable Functional Materials. *Journal of Physical Chemistry C*, **2022**, 126, 459-477	3.8	1
4	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. *Angewandte Chemie*, **2020**, 132, 1661-1669	3.6	1
3	[LiCl 2] Superhalide: A New Charge Carrier for Graphite Cathode of Dual-Ion Batteries. *Advanced Functional Materials*,2112709	15.6	0
2	Elucidating Excited-State Hydrogen-Bonding Dynamics and Proton Transfer inside Fluorescent Protein Calcium Biosensors **2019**, 55-91		
1	IR Absorption (Time-Resolved Infrared Spectroscopy, Raman): Tracking Vibrational Signatures of the Metal-Containing Species. *Springer Handbooks*, **2022**, 145-169	1.3	