Tessa R Calhoun

List of Publications by Year
in descending order

31 papers	4,580 citations	430754 18 h-index	552653 26 g-index
36 all docs	36 docs citations	36 times ranked	4167 citing authors

#	Article	IF	Citations
1	Small Molecule Sorting: A Fluorescence Study of Microemulsions. Journal of Physical Chemistry B, 2022, 126, 4990-4998.	1.2	0
2	Phosphate Ions Alter the Binding of Daptomycin to Living Bacterial Cell Surfaces. ACS Infectious Diseases, 2021, 7, 3088-3095.	1.8	10
3	Leaving the Limits of Linearity for Light Microscopy. Journal of Physical Chemistry C, 2020, 124, 24555-24565.	1.5	6
4	Total Internal Reflection Transient Absorption Microscopy: An Online Detection Method for Microfluidics. Journal of Physical Chemistry A, 2020, 124, 4160-4170.	1.1	7
5	Energetics at the Surface: Direct Optical Mapping of Core and Surface Electronic Structure in CdSe Quantum Dots Using Broadband Electronic Sum Frequency Generation Microspectroscopy. Nano Letters, 2019, 19, 6157-6165.	4.5	23
6	Second Harmonic Generation Spectroscopy of Membrane Probe Dynamics in Gram-Positive Bacteria. Biophysical Journal, 2019, 117, 1419-1428.	0.2	21
7	A new approach to vibrational sum frequency generation spectroscopy using near infrared pulse shaping. Review of Scientific Instruments, 2019, 90, 033106.	0.6	20
8	Reply to: On the ferroelectricity of CH3NH3PbI3 perovskites. Nature Materials, 2019, 18, 1051-1053.	13.3	21
9	Probing ligand removal and ordering at quantum dot surfaces using vibrational sum frequency generation spectroscopy. Journal of Colloid and Interface Science, 2019, 537, 389-395.	5.0	15
10	Compressed supercontinuum probe for transient absorption microscopy. Optics Letters, 2018, 43, 1750.	1.7	6
11	Chemical nature of ferroelastic twin domains in CH3NH3PbI3 perovskite. Nature Materials, 2018, 17, 1013-1019.	13.3	183
12	Shedding light on surface effects: nonlinear probes of complex materials. , 2018, , .		1
13	Flexible approach to vibrational sum-frequency generation using shaped near-infrared light. Optics Letters, 2018, 43, 2038.	1.7	34
14	Label Free Imaging of the Amphotericin B â€“ Live Cell Interaction using Transient Absorption Microscopy. , 2017, , .		0
15	Elucidation of Perovskite Film Micro-Orientations Using Two-Photon Total Internal Reflectance Fluorescence Microscopy. Journal of Physical Chemistry Letters, 2015, 6, 3283-3288.	2.1	24
16	Raising the Bar in Freshman Science Education: Student Lectures, Scientific Papers, and Independent Experiments. Journal of College Science Teaching, 2014, 043, .	0.5	0
17	Elucidation of the timescales and origins of quantum electronic coherence in LHCII. Nature Chemistry, 2012, 4, 389-395.	6.6	156
18	Two-Dimensional Electronic Spectroscopy Reveals the Dynamics of Phonon-Mediated Excitation Pathways in Semiconducting Single-Walled Carbon Nanotubes. Nano Letters, 2012, 12, 813-819.	4.5	27

#	Article	IF	Citations
19	The separation of overlapping transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.gif" overflow="scroll"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>-carotene with broadband 2D electronic spectroscopy. Chemical Physics Letters, 2012, 523, 1-5.	1.2	21
20	Quantum coherence in photosynthetic complexes. Physica Status Solidi (B): Basic Research, 2011, 248, 833-838.	0.7	19
21	Quantum coherence and its interplay with protein environments in photosynthetic electronic energy transfer. Physical Chemistry Chemical Physics, 2010, 12, 7319.	1.3	307
22	Spectroscopic elucidation of uncoupled transition energies in the major photosynthetic light-harvesting complex, LHCII. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13276-13281.	3.3	62
23	Quantum Coherence Enabled Determination of the Energy Landscape in Light-Harvesting Complex II. Journal of Physical Chemistry B, 2009, 113, 16291-16295.	1.2	266
24	Pathways of Energy Flow in LHCII from Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 15352-15363.	1.2	175
25	Observation of Quantum Coherence in Light-Harvesting Complex II by Two-Dimensional Electronic Spectroscopy. Springer Series in Chemical Physics, 2009, , 406-408.	0.2	0
26	Electronic coherence transfer in photosynthetic complexes and its signatures in optical spectroscopy. Spectroscopy, 2008, 22, 199-211.	0.8	15
27	Cross-peak-specific two-dimensional electronic spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14203-14208.	3.3	137
28	Evidence for wavelike energy transfer through quantum coherence in photosynthetic systems. Nature, 2007, 446, 782-786.	13.7	2,685
29	Two-dimensional Electronic Spectroscopy of Photosynthetic Light-Harvesting Complexes. , 2007, , .		0
30	Dynamic Solvation in Room-Temperature Ionic Liquidsâ€. Journal of Physical Chemistry B, 2004, 108, 10245-10255.	1.2	206
31	Thieno[3,4-b]pyrazines:â€‰ Synthesis, Structure, and Reactivity. Journal of Organic Chemistry, 2002, 67, 9073-9076.	1.7	129