

Daniel J Shaw

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

530
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

751
citing authors

#	ARTICLE	IF	CITATIONS
1	Operation Mechanism of a Molecular Machine Revealed Using Time-Resolved Vibrational Spectroscopy. <i>Science</i> , 2010, 328, 1255-1258.	12.6	95
2	A 100 kHz Time-Resolved Multiple-Probe Femtosecond to Second Infrared Absorption Spectrometer. <i>Applied Spectroscopy</i> , 2016, 70, 645-653.	2.2	80
3	A 100 kHz Pulse Shaping 2D-IR Spectrometer Based on Dual Yb:KGW Amplifiers. <i>Journal of Physical Chemistry A</i> , 2018, 122, 780-787.	2.5	56
4	Measurement of energy landscape roughness of folded and unfolded proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19563-19568.	7.1	48
5	Quantifying Secondary Structure Changes in Calmodulin Using 2D-IR Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 10898-10906.	6.5	36
6	pH Dependence of the Conformation of Small Peptides Investigated with Two-Dimensional Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15212-15220.	2.6	34
7	Time-resolved vibrational spectroscopy of a molecular shuttle. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1865-1875.	2.8	31
8	Long-Range Vibrational Dynamics Are Directed by Watson-Crick Base Pairing in Duplex DNA. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4009-4018.	2.6	28
9	Multistate Photo-Induced Relaxation and Photoisomerization Ability of Fumaramide Threads: A Computational and Experimental Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 104-117.	13.7	27
10	Examining the role of protein structural dynamics in drug resistance in <i>Mycobacterium tuberculosis</i> . <i>Chemical Science</i> , 2017, 8, 8384-8399.	7.4	19
11	Local Orientational Order in Liquids Revealed by Resonant Vibrational Energy Transfer. <i>Physical Review Letters</i> , 2014, 113, 207801.	7.8	13
12	Evidence for Cooperative Vibrational Relaxation of the NH-, OH-, and OD-Stretching Modes in Hydrogen-Bonded Liquids Using Infrared Pump-Probe Spectroscopy. <i>Physical Review Letters</i> , 2009, 103, 227401.	7.8	12
13	Disruption of key NADH-binding pocket residues of the <i>Mycobacterium tuberculosis</i> InhA affects DD-CoA binding ability. <i>Scientific Reports</i> , 2017, 7, 4714.	3.3	12
14	Infrared Spectroscopy of Nicotinamide Adenine Dinucleotides in One and Two Dimensions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16468-16478.	2.6	10
15	Multidimensional infrared spectroscopy reveals the vibrational and solvation dynamics of isoniazid. <i>Journal of Chemical Physics</i> , 2015, 142, 212401.	3.0	10
16	The effect on structural and solvent water molecules of substrate binding to ferric horseradish peroxidase. <i>Faraday Discussions</i> , 2015, 177, 163-179.	3.2	10
17	Uncovering the Early Stages of Domain Melting in Calmodulin with Ultrafast Temperature-Jump Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8733-8739.	2.6	8
18	Universal Scaling Law for Polypeptide Backbone Dynamics on the Pico- to Millisecond Time Scale. <i>Biophysical Journal</i> , 2009, 96, 322a-323a.	0.5	1