

Scott H Brewer

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

589
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and spectrophotometric investigation of two unnatural amino-acid altered chromophores in the superfolder green fluorescent protein. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1010-1018.	2.3	3
2	Extending the vibrational lifetime of azides with heavy atoms. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18007-18013.	2.8	13
3	2D-IR studies of cyanamides (NCN) as spectroscopic reporters of dynamics in biomolecules: Uncovering the origin of mysterious peaks. <i>Journal of Chemical Physics</i> , 2020, 152, 074201.	3.0	7
4	Paired Spectroscopic and Crystallographic Studies of Proteases. <i>ChemistrySelect</i> , 2019, 4, 9836-9843.	1.5	1
5	Tuning Molecular Vibrational Energy Flow within an Aromatic Scaffold via Anharmonic Coupling. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10571-10581.	2.5	17
6	Exploring local solvation environments of a heme protein using the spectroscopic reporter 4-cyano- <i>L</i> -phenylalanine. <i>RSC Advances</i> , 2018, 8, 13503-13512.	3.6	8
7	Crystal structures of green fluorescent protein with the unnatural amino acid 4-nitro- <i>L</i> -phenylalanine. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 650-655.	0.8	3
8	Probing the effectiveness of spectroscopic reporter unnatural amino acids: a structural study. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 121-130.	2.3	14
9	Synthesis and evaluation of the sensitivity and vibrational lifetimes of thiocyanate and selenocyanate infrared reporters. <i>RSC Advances</i> , 2016, 6, 36231-36237.	3.6	36
10	Two-Dimensional Infrared Study of Vibrational Coupling between Azide and Nitrile Reporters in a RNA Nucleoside. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9387-9394.	2.6	33
11	Kinetic Isotope Effect Provides Insight into the Vibrational Relaxation Mechanism of Aromatic Molecules: Application to Cyano-phenylalanine. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1281-1287.	4.6	31
12	Azidoethoxyphenylalanine as a Vibrational Reporter and Click Chemistry Partner in Proteins. <i>Chemistry - A European Journal</i> , 2015, 21, 19096-19103.	3.3	10
13	Synthesis and protein incorporation of azido-modified unnatural amino acids. <i>RSC Advances</i> , 2015, 5, 1274-1281.	3.6	91
14	Sensitive, Site-Specific, and Stable Vibrational Probe of Local Protein Environments: 4-Azidomethyl- <i>L</i> -Phenylalanine. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8987-8993.	2.6	45
15	Temperature Dependence of Water Interactions with the Amide Carbonyls of α -Helices. <i>Biochemistry</i> , 2012, 51, 5293-5299.	2.5	25
16	Expanding the Utility of 4-Cyano- <i>L</i> -Phenylalanine As a Vibrational Reporter of Protein Environments. <i>Journal of Physical Chemistry B</i> , 2012, 116, 10824-10831.	2.6	41
17	2D IR photon echo of azido-probes for biomolecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2237-2241.	2.8	81
18	Modulating Accidental Fermi Resonance: What a Difference a Neutron Makes. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1672-1676.	4.6	53

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19	A direct comparison of azide and nitrile vibrational probes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5926.	2.8	51
20	A Sensitive Multispectroscopic Probe for Nucleic Acids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7958-7966.	2.6	26