

Lauren E Buchanan

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

840
citations

1040056

9
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

1223
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of IAPP amyloid fibril formation involves an intermediate with a transient β^2 -sheet. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19285-19290.	7.1	224
2	Two-dimensional IR spectroscopy and segmental ^{13}C labeling reveals the domain structure of human ^{13}D -crystallin amyloid fibrils. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3329-3334.	7.1	126
3	Stable and Metastable States of Human Amylin in Solution. Biophysical Journal, 2010, 99, 2208-2216.	0.5	107
4	Structural motif of polyglutamine amyloid fibrils discerned with mixed-isotope infrared spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5796-5801.	7.1	105
5	Deamidation Accelerates Amyloid Formation and Alters Amylin Fiber Structure. Journal of the American Chemical Society, 2012, 134, 12658-12667.	13.7	88
6	Structure and Dynamics of Urea/Water Mixtures Investigated by Vibrational Spectroscopy and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2013, 117, 13291-13300.	2.6	83
7	Utilizing Lifetimes to Suppress Random Coil Features in 2D IR Spectra of Peptides. Journal of Physical Chemistry Letters, 2011, 2, 2357-2361.	4.6	34
8	Structural Polymorphs Suggest Competing Pathways for the Formation of Amyloid Fibrils That Diverge from a Common Intermediate Species. Biochemistry, 2018, 57, 6470-6478.	2.5	23
9	Surface-Enhanced Femtosecond Stimulated Raman Spectroscopy at 1 MHz Repetition Rates. Journal of Physical Chemistry Letters, 2016, 7, 4629-4634.	4.6	19
10	Studying Stimulated Raman Activity in Surface-Enhanced Femtosecond Stimulated Raman Spectroscopy by Varying the Excitation Wavelength. Journal of Physical Chemistry Letters, 2017, 8, 3328-3333.	4.6	10
11	Two-Dimensional Infrared (2D IR) Spectroscopy. , 2018, , 164-183.		7
12	Investigating the effects of N-terminal acetylation on KFE8 self-assembly with 2D IR spectroscopy. Biophysical Journal, 2022, 121, 1549-1559.	0.5	6
13	Insights into amylin aggregation by 2D IR spectroscopy. Biomedical Spectroscopy and Imaging, 2014, 3, 189-196.	1.2	0