Stephen J Eyles

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7396657/publications.pdf

Version: 2024-02-01

43	2,267	304743	377865
papers	citations	22	34
		h-index	g-index

80	80	80	2472
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solution- and gas-phase behavior of decavanadate: implications for mass spectrometric analysis of redox-active polyoxidometalates. Inorganic Chemistry Frontiers, 2022, 9, 1556-1564.	6.0	5
2	Multiplatform Metabolomics Studies of Human Cancers With NMR and Mass Spectrometry Imaging. Frontiers in Molecular Biosciences, 2022, 9, 785232.	3.5	5
3	A cryptic K48 ubiquitin chain binding site on UCH37 is required for its role in proteasomal degradation. ELife, 2022, 11, .	6.0	9
4	Sterilization of epidermal growth factor with supercritical carbon dioxide and peracetic acid; analysis of changes at the amino acid and protein level. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140334.	2.3	6
5	FERONIA controls pectin- and nitric oxide-mediated maleâ€“female interaction. Nature, 2020, 579, 561-566.	27.8	137
6	Lovastatin protects against cisplatin-induced hearing loss in mice. Hearing Research, 2020, 389, 107905.	2.0	37
7	Quantitative Middle-Down MS Analysis of Parkin-Mediated Ubiquitin Chain Assembly. Journal of the American Society for Mass Spectrometry, 2020, 31, 1132-1139.	2.8	16
8	Hydrogen exchange of chemoreceptors in functional complexes suggests protein stabilization mediates long-range allosteric coupling. Journal of Biological Chemistry, 2019, 294, 16062-16079.	3.4	15
9	Modulation of Amyloid-Î²42 Conformation by Small Molecules Through Nonspecific Binding. Journal of Chemical Theory and Computation, 2019, 15, 5169-5174.	5.3	28
10	Protein Flexibility of the Î±-Ketoglutarate-Dependent Oxygenase Factor-Inhibiting HIF-1: Implications for Substrate Binding, Catalysis, and Regulation. Biochemistry, 2019, 58, 4047-4057.	2.5	2
11	Direct Measurement of S-Nitrosothiols with an Orbitrap Fusion Mass Spectrometer: S-Nitrosoglutathione Reductase as a Model Protein. Methods in Molecular Biology, 2018, 1747, 143-160.	0.9	0
12	Fluorinated Aromatic Amino Acids Distinguish Cation-Ï€ Interactions from Membrane Insertion. Journal of Biological Chemistry, 2015, 290, 19334-19342.	3.4	21
13	Hydrogen Exchange Differences between Chemoreceptor Signaling Complexes Localize to Functionally Important Subdomains. Biochemistry, 2014, 53, 7755-7764.	2.5	18
14	Hydrogen Exchange Mass Spectrometry of Functional Membrane-Bound Chemotaxis Receptor Complexes. Biochemistry, 2013, 52, 8833-8842.	2.5	14
15	Natureâ€™s molecular sponges: Small heat shock proteins grow into their chaperone roles. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2727-2728.	7.1	93
16	Auto-hydroxylation of FIH-1: an Fe(ii), Î±-ketoglutarate-dependent human hypoxia sensor. Chemical Communications, 2008, , 4768.	4.1	27
17	Gas-Phase Interference-Free Analysis of Protein Ion Charge-State Distributions:â€‰ Detection of Small-Scale Conformational Transitions Accompanying Pepsin Inactivation. Analytical Chemistry, 2007, 79, 4154-4161.	6.5	38
18	Investigation of structure, dynamics and function of metalloproteins with electrospray ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2006, 386, 472-481.	3.7	61

#	Article	IF	Citations
19	Mass Spectrometry-Based Approaches to Study Biomolecular Dynamics: Equilibrium Intermediates. , 2005, , 183-230.		0
20	Protein Interaction: A Closer Look at the â€˜Structure-Dynamics-Functionâ€™ Triad. , 2005, , 268-301.		0
21	Synergism between Biophysical Techniques. , 2005, , 302-323.		0
22	Kinetic Studies by Mass Spectrometry. , 2005, , 231-267.		1
23	General Overview of Basic Concepts in Molecular Biophysics. , 2005, , 1-44.		0
24	Mass Spectrometry-Based Approaches to Study Biomolecular Higher-Order Structure. , 2005, , 143-182.		2
25	Mapping protein energy landscapes with amide hydrogen exchange and mass spectrometry: I. A generalized model for a two-state protein and comparison with experiment. Protein Science, 2005, 14, 543-557.	7.6	97
26	Mass Spectrometry on the March: Where next? from Molecular Biophysics to Structural Biology, Perspectives and Challenges. , 2005, , 382-441.		0
27	Mycobacterium tuberculosis pks12 Produces a Novel Polyketide Presented by CD1c to T Cells. Journal of Experimental Medicine, 2004, 200, 1559-1569.	8.5	166
28	Methods to study protein dynamics and folding by mass spectrometry. Methods, 2004, 34, 88-99.	3.8	116
29	Indirect assessment of small hydrophobic ligand binding to a model protein using a combination of ESI MS and HDX/ESI MS. Journal of the American Society for Mass Spectrometry, 2003, 14, 506-515.	2.8	43
30	Conserved signature proposed for folding in the lipocalin superfamily. FEBS Letters, 2003, 553, 39-44.	2.8	22
31	A Novel Approach to Improving the Mechanical Properties in Recycled Vulcanized Natural Rubber and Its Mechanism. Macromolecules, 2002, 35, 4616-4627.	4.8	85
32	Studies of biomolecular conformations and conformational dynamics by mass spectrometry. Mass Spectrometry Reviews, 2002, 21, 37-71.	5.4	247
33	Crossing the phase boundary to study protein dynamics and function: combination of amide hydrogen exchange in solution and ion fragmentation in the gas phase. Journal of Mass Spectrometry, 2002, 37, 557-565.	1.6	71
34	Exposing Asymmetry between Monomers in Alzheimer's Amyloid Fibrils via Reductive Alkylation of Lysine Residues. Journal of the American Chemical Society, 2001, 123, 6728-6729.	13.7	17
35	Proline not the only culprit?. , 2001, 8, 380-381.		8
36	Keeping it in the family: folding studies of related proteins. Current Opinion in Structural Biology, 2001, 11, 83-93.	5.7	107

#	Article	IF	Citations
37	Multiple roles of prolyl residues in structure and folding 1 1Edited by C. Robert Matthews. Journal of Molecular Biology, 2000, 301, 737-747.	4.2	80
38	Protein Conformational Stability Probed by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Journal of the American Chemical Society, 2000, 122, 495-500.	13.7	77
39	Unfolding dynamics of aÎ²-sheet protein studied by mass spectrometry. Journal of Mass Spectrometry, 1999, 34, 1289-1295.	1.6	42
40	Cooperative Elements in Protein Folding Monitored by Electrospray Ionization Mass Spectrometry. Journal of the American Chemical Society, 1995, 117, 7548-7549.	13.7	47
41	Conformation of GroEL-bound Î±-lactalbumin probed by mass spectrometry. Nature, 1994, 372, 646-651.	27.8	221
42	Kinetic Consequences of the Removal of a Disulfide Bridge on the Folding of Hen Lysozyme. Biochemistry, 1994, 33, 13038-13048.	2.5	97
43	Thermodynamic consequences of the removal of a disulphide bridge from hen lysozyme. Journal of Molecular Biology, 1992, 225, 939-943.	4.2	91