

Stephen J Eyles

List of Publications by Year in descending order

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43
papers

2,267
citations

304743

22
h-index

377865

34
g-index

80
all docs

80
docs citations

80
times ranked

2472
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of biomolecular conformations and conformational dynamics by mass spectrometry. Mass Spectrometry Reviews, 2002, 21, 37-71.	5.4	247
2	Conformation of GroEL-bound β -lactalbumin probed by mass spectrometry. Nature, 1994, 372, 646-651.	27.8	221
3	<i>Mycobacterium tuberculosis</i> pks12 Produces a Novel Polyketide Presented by CD1c to T Cells. Journal of Experimental Medicine, 2004, 200, 1559-1569.	8.5	166
4	FERONIA controls pectin- and nitric oxide-mediated male-female interaction. Nature, 2020, 579, 561-566.	27.8	137
5	Methods to study protein dynamics and folding by mass spectrometry. Methods, 2004, 34, 88-99.	3.8	116
6	Keeping it in the family: folding studies of related proteins. Current Opinion in Structural Biology, 2001, 11, 83-93.	5.7	107
7	Kinetic Consequences of the Removal of a Disulfide Bridge on the Folding of Hen Lysozyme. Biochemistry, 1994, 33, 13038-13048.	2.5	97
8	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
9	Nature'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
10	Thermodynamic consequences of the removal of a disulphide bridge from hen lysozyme. Journal of Molecular Biology, 1992, 225, 939-943.	4.2	91
11	A Novel Approach to Improving the Mechanical Properties in Recycled Vulcanized Natural Rubber and Its Mechanism. Macromolecules, 2002, 35, 4616-4627.	4.8	85
12	Multiple roles of prolyl residues in structure and folding 1 Edited by C. Robert Matthews. Journal of Molecular Biology, 2000, 301, 737-747.	4.2	80
13	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
14	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
15	Investigation of structure, dynamics and function of metalloproteins with electrospray ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2006, 386, 472-481.	3.7	61
16	Cooperative Elements in Protein Folding Monitored by Electrospray Ionization Mass Spectrometry. Journal of the American Chemical Society, 1995, 117, 7548-7549.	13.7	47
17	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
18	Unfolding dynamics of a β -sheet protein studied by mass spectrometry. Journal of Mass Spectrometry, 1999, 34, 1289-1295.	1.6	42

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19	Gas-Phase Interference-Free Analysis of Protein Ion Charge-State Distributions: Detection of Small-Scale Conformational Transitions Accompanying Pepsin Inactivation. <i>Analytical Chemistry</i> , 2007, 79, 4154-4161.	6.5	38
20	Lovastatin protects against cisplatin-induced hearing loss in mice. <i>Hearing Research</i> , 2020, 389, 107905.	2.0	37
21	Modulation of Amyloid- β 242 Conformation by Small Molecules Through Nonspecific Binding. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 5169-5174.	5.3	28
22	Auto-hydroxylation of FIH-1: an Fe(ii), α -ketoglutarate-dependent human hypoxia sensor. <i>Chemical Communications</i> , 2008, , 4768.	4.1	27
23	Conserved signature proposed for folding in the lipocalin superfamily. <i>FEBS Letters</i> , 2003, 553, 39-44.	2.8	22
24	Fluorinated Aromatic Amino Acids Distinguish Cation- π Interactions from Membrane Insertion. <i>Journal of Biological Chemistry</i> , 2015, 290, 19334-19342.	3.4	21
25	Hydrogen Exchange Differences between Chemoreceptor Signaling Complexes Localize to Functionally Important Subdomains. <i>Biochemistry</i> , 2014, 53, 7755-7764.	2.5	18
26	Exposing Asymmetry between Monomers in Alzheimer's Amyloid Fibrils via Reductive Alkylation of Lysine Residues. <i>Journal of the American Chemical Society</i> , 2001, 123, 6728-6729.	13.7	17
27	Quantitative Middle-Down MS Analysis of Parkin-Mediated Ubiquitin Chain Assembly. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1132-1139.	2.8	16
28	Hydrogen exchange of chemoreceptors in functional complexes suggests protein stabilization mediates long-range allosteric coupling. <i>Journal of Biological Chemistry</i> , 2019, 294, 16062-16079.	3.4	15
29	Hydrogen Exchange Mass Spectrometry of Functional Membrane-Bound Chemotaxis Receptor Complexes. <i>Biochemistry</i> , 2013, 52, 8833-8842.	2.5	14
30	A cryptic K48 ubiquitin chain binding site on UCH37 is required for its role in proteasomal degradation. <i>ELife</i> , 2022, 11, .	6.0	9
31	Proline not the only culprit?. , 2001, 8, 380-381.		8
32	Sterilization of epidermal growth factor with supercritical carbon dioxide and peracetic acid; analysis of changes at the amino acid and protein level. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140334.	2.3	6
33	Solution- and gas-phase behavior of decavanadate: implications for mass spectrometric analysis of redox-active polyoxidometalates. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1556-1564.	6.0	5
34	Multiplatform Metabolomics Studies of Human Cancers With NMR and Mass Spectrometry Imaging. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 785232.	3.5	5
35	Mass Spectrometry-Based Approaches to Study Biomolecular Higher-Order Structure. , 2005, , 143-182.		2
36	Protein Flexibility of the α -Ketoglutarate-Dependent Oxygenase Factor-Inhibiting HIF-1: Implications for Substrate Binding, Catalysis, and Regulation. <i>Biochemistry</i> , 2019, 58, 4047-4057.	2.5	2

#	ARTICLE	IF	CITATIONS
37	Kinetic Studies by Mass Spectrometry. , 2005, , 231-267.		1
38	Mass Spectrometry-Based Approaches to Study Biomolecular Dynamics: Equilibrium Intermediates. , 2005, , 183-230.		0
39	Protein Interaction: A Closer Look at the "Structure-Dynamics-Function" Triad. , 2005, , 268-301.		0
40	Synergism between Biophysical Techniques. , 2005, , 302-323.		0
41	General Overview of Basic Concepts in Molecular Biophysics. , 2005, , 1-44.		0
42	Mass Spectrometry on the March: Where next? from Molecular Biophysics to Structural Biology, Perspectives and Challenges. , 2005, , 382-441.		0
43	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