James R Ault

List of Publications by Year
in descending order

24	761	706676 14	721071 23
papers	citations	h-index	g-index

29	29	29	1562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pocket delipidation induced by membrane tension or modification leads to a structurally analogous mechanosensitive channel state. Structure, 2022, 30, 608-622.e5.	1.6	16
2	Mapping of a N-terminal Î±-helix domain required for human PINK1 stabilization, Serine228 autophosphorylation and activation in cells. Open Biology, 2022, 12, 210264.	1.5	21
3	Affinity purification of fibrinogen using an Affimer column. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130115.	1.1	0
4	Investigation of D76N Î²₂-Microglobulin Using Protein Footprinting and Structural Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2021, 32, 1583-1592.	1.2	3
5	Discriminative SKP2 Interactions with CDK-Cyclin Complexes Support a Cyclin A-Specific Role in p27KIP1 Degradation. Journal of Molecular Biology, 2021, 433, 166795.	2.0	10
6	Analysis of the PcrA-RNA polymerase complex reveals a helicase interaction motif and a role for PcrA/UvrD helicase in the suppression of R-loops. ELife, 2021, 10, .	2.8	18
7	Metabolic control of BRISCâ€“SHMT2 assembly regulates immune signalling. Nature, 2019, 570, 194-199.	13.7	51
8	Comparing Hydrogen Deuterium Exchange and Fast Photochemical Oxidation of Proteins: a Structural Characterisation of Wild-Type and Î”N6 Î²₂-Microglobulin. Journal of the American Society for Mass Spectrometry, 2018, 29, 2413-2426.	1.2	43
9	Production of membrane proteins for characterisation of their pheromone-sensing and antimicrobial resistance functions. European Biophysics Journal, 2018, 47, 723-737.	1.2	5
10	Mitotic phosphorylation regulates Hsp72 spindle localization by uncoupling ATP binding from substrate release. Science Signaling, 2018, 11, .	1.6	8
11	Extending enzyme molecular recognition with an expanded amino acid alphabet. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2610-2615.	3.3	30
12	FPOP-LC-MS/MS Suggests Differences in Interaction Sites of Amphipols and Detergents with Outer Membrane Proteins. Journal of the American Society for Mass Spectrometry, 2017, 28, 50-55.	1.2	33
13	Widespread, routine occurrence of pharmaceuticals in sewage effluent, combined sewer overflows and receiving waters. Environmental Pollution, 2017, 220, 1447-1455.	3.7	95
14	Changes in protein structure monitored by use of gasâ€phase hydrogen/deuterium exchange. Proteomics, 2015, 15, 2842-2850.	1.3	12
15	Evidence that avian reovirus Ïƒ NS is an RNA chaperone: implications for genome segment assortment. Nucleic Acids Research, 2015, 43, 7044-7057.	6.5	26
16	Trivalent Gd-DOTA reagents for modification of proteins. RSC Advances, 2015, 5, 96194-96200.	1.7	9
17	Using hydroxyl radical footprinting to explore the free energy landscape of protein folding. Methods, 2015, 89, 38-44.	1.9	31
18	The Feeding Tube of Cyst Nematodes: Characterisation of Protein Exclusion. PLoS ONE, 2014, 9, e87289.	1.1	14

#	Article	IF	Citations
19	Protein destabilisation by ruthenium(ii) tris-bipyridine based protein-surface mimetics. Organic and Biomolecular Chemistry, 2013, 11, 2206.	1.5	15
20	Structural Insights into the Recovery of Aldolase Activity in Nâ€Acetylneuraminic Acid Lyase by Replacement of the Catalytically Active Lysine with Î³â€Thialysine by Using a Chemical Mutagenesis Strategy. ChemBioChem, 2013, 14, 474-481.	1.3	26
21	The Use of Electrospray Mass Spectrometry to Determine Speciation in a Dynamic Combinatorial Library for Anion Recognition. Chemistry - A European Journal, 2012, 18, 13733-13742.	1.7	16
22	Role of ADAMs in the Ectodomain Shedding and Conformational Conversion of the Prion Protein. Journal of Biological Chemistry, 2009, 284, 22590-22600.	1.6	128
23	NopM and NopD Are Rhizobial Nodulation Outer Proteins: Identification Using LC-MALDI and LC-ESI with a Monolithic Capillary Column. Journal of Proteome Research, 2007, 6, 1029-1037.	1.8	80
24	Low pH Changes the Profile of Nodulation Factors Produced by Rhizobium tropici CIAT899. Chemistry and Biology, 2005, 12, 1029-1040.	6.2	71