

Pat Edwards

List of Publications by Year in descending order

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52
papers

1,150
citations

394286

19
h-index

414303

32
g-index

54
all docs

54
docs citations

54
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Sauvignon blanc metabolomics: grape juice metabolites affecting the development of varietal thiols and other aroma compounds in wines. <i>Metabolomics</i> , 2014, 10, 556-573.	1.4	74
2	Identification of the dialysable serum inducer of germ-tube formation in <i>Candida albicans</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 3041-3049.	0.7	73
3	N-terminal Domains of DELLA Proteins Are Intrinsically Unstructured in the Absence of Interaction with GID1/Gibberellic Acid Receptors. <i>Journal of Biological Chemistry</i> , 2010, 285, 11557-11571.	1.6	67
4	Structural, Dynamic, and Chemical Characterization of a Novel S-Glycosylated Bacteriocin. <i>Biochemistry</i> , 2011, 50, 2748-2755.	1.2	61
5	Factors Affecting Conformation in Proline-Containing Peptides. <i>Organic Letters</i> , 2003, 5, 4413-4416.	2.4	57
6	The Impact of Pyrrolidine Hydroxylation on the Conformation of Proline-Containing Peptides. <i>Journal of Organic Chemistry</i> , 2005, 70, 1306-1315.	1.7	53
7	Isolation and Structural Identification of the Anthocyanin Components of Red Kiwifruit. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2035-2039.	2.4	49
8	Temperature-dependent complexation between sodium caseinate and gum arabic. <i>Food Hydrocolloids</i> , 2012, 26, 82-88.	5.6	37
9	Zinc, Cadmium, and Mercury Complexes of a Pyridyloxy-Substituted Cyclotriphosphazene: Syntheses, Structures, and Fluxional Behavior. <i>Inorganic Chemistry</i> , 2012, 51, 10884-10892.	1.9	36
10	Structural Identification of Two Major Anthocyanin Components of Boysenberry by NMR Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 8756-8761.	2.4	35
11	Milk protein structure—what can it tell the dairy industry?. <i>International Dairy Journal</i> , 2002, 12, 299-310.	1.5	33
12	Novel toxins produced by the dinoflagellate <i>Karenia brevisulcata</i> . <i>Harmful Algae</i> , 2012, 13, 47-57.	2.2	33
13	Nitrogen and carbon assimilation by <i>Saccharomyces cerevisiae</i> during Sauvignon blanc juice fermentation. <i>FEMS Yeast Research</i> , 2014, 14, 1206-1222.	1.1	33
14	Heat-resistant structural features of bovine β -lactoglobulin A revealed by NMR H/D exchange observations. <i>International Dairy Journal</i> , 2002, 12, 331-344.	1.5	31
15	The production of soluble and correctly folded recombinant bovine β -lactoglobulin variants A and B in <i>Escherichia coli</i> for NMR studies. <i>Protein Expression and Purification</i> , 2010, 70, 283-289.	0.6	28
16	Synthesis of the Antimicrobial β -Linked Glycopeptide, Glycocin...F. <i>Chemistry - A European Journal</i> , 2015, 21, 3556-3561.	1.7	28
17	E/Z-Thesinine-O-4- β -D-rhamnoside, pyrrolizidine conjugates produced by grasses (Poaceae). <i>Phytochemistry</i> , 2008, 69, 1927-1932.	1.4	27
18	Intrinsic disorder and coiled-coil formation in prostate apoptosis response factor 4. <i>FEBS Journal</i> , 2009, 276, 3710-3728.	2.2	24

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19	Isolation and Characterisation of Procyanidins from <i>Rumex obtusifolius</i> . <i>Phytochemical Analysis</i> , 2007, 18, 193-203.	1.2	22
20	A picornaviral loop-to-loop replication complex. <i>Journal of Structural Biology</i> , 2009, 166, 251-262.	1.3	21
21	NMR-based method of small changes reveals how DNA mutator APOBEC3A interacts with its single-stranded DNA substrate. <i>Nucleic Acids Research</i> , 2017, 45, 5602-5613.	6.5	20
22	The effect of transglutaminase treatment on the physico-chemical properties of skim milk with added ethylenediaminetetraacetic acid. <i>Food Hydrocolloids</i> , 2017, 69, 329-340.	5.6	18
23	Structural features of bovine caseinomacropeptide A and B by ¹ H nuclear magnetic resonance spectroscopy. <i>Journal of Dairy Research</i> , 2002, 69, 85-94.	0.7	17
24	Structure and stability of whey proteins. , 2008, , 163-203.		17
25	Solvent Isotope Effect on the Self-Assembly and Liquid Crystalline Phase Behavior in Aqueous Solutions of Ammonium Pentadecafluorooctanoate. <i>Langmuir</i> , 1997, 13, 2665-2669.	1.6	16
26	Interdependence of pyrene interactions and tetramolecular G4-DNA assembly. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3742-3748.	1.5	16
27	A model for isotropic, nematic, and columnar ordering in a self-assembling system – comparison with the phase behavior of 2,3,6,7,10,11-hexa-(1,4,7-trioxaoctyl)-triphenylene in water. <i>Macromolecular Symposia</i> , 1994, 81, 361-367.	0.4	15
28	Iron binding to caseins in the presence of orthophosphate. <i>Food Chemistry</i> , 2016, 190, 128-134.	4.2	15
29	Phase diagram of the tetramethylammonium heptadecafluorononanoate (TMAHFN)/D ₂ O system as determined by ² H and ¹⁴ N NMR. <i>Liquid Crystals</i> , 1995, 18, 51-60.	0.9	14
30	Crystal and NMR Structures of a Peptidomimetic β -Turn That Provides Facile Synthesis of 13-Membered Cyclic Tetrapeptides. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3195-3202.	1.7	14
31	Effects of Pressure and pH on the Physical Stability of an α -Motif DNA Structure. <i>ChemPhysChem</i> , 2019, 20, 1567-1571.	1.0	14
32	Rheo-NMR Studies of an Enzymatic Reaction: Evidence of a Shear-Stable Macromolecular System. <i>Biophysical Journal</i> , 2010, 98, 1986-1994.	0.2	13
33	Tyrocidine A Analogues Bearing the Planar β -Phe-2-Abz Turn Motif: How Conformation Impacts Bioactivity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9565-9574.	2.9	13
34	Solution Structure of the Squash Aspartic Acid Proteinase Inhibitor (SQAPI) and Mutational Analysis of Pepsin Inhibition. <i>Journal of Biological Chemistry</i> , 2010, 285, 27019-27025.	1.6	12
35	Assembly Dependent Fluorescence Enhancing Nucleic Acids in Sequence-Specific Detection of Double-Stranded DNA. <i>ChemPlusChem</i> , 2014, 79, 58-66.	1.3	12
36	Brevisulcatic Acids, Marine Ladder-Frame Polyethers from the Red Tide Dinoflagellate <i>Karenia brevisulcata</i> in New Zealand. <i>Organic Letters</i> , 2014, 16, 5850-5853.	2.4	11

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37	Structural features of a novel polysaccharide isolated from a New Zealand Maori mushroom <i>Lliodiction cibarium</i> . <i>Carbohydrate Research</i> , 2015, 406, 19-26.	1.1	10
38	Two-state conformational equilibrium in the Par4 leucine zipper domain. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2433-2449.	1.5	9
39	NMR-based metabonomics detection of differences in the metabolism of hydrolysed <i>in vitro</i> versus intact protein of similar amino acid profile. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 2013-2016.	1.7	9
40	±-2-Deoxyguanosine can switch DNA G-quadruplex topologies from antiparallel to parallel. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4031-4042.	1.5	9
41	The Importance of Phosphates for DNA G-Quadruplex Formation: Evaluation of Zwitterionic G-Rich Oligodeoxynucleotides. <i>ChemBioChem</i> , 2020, 21, 2455-2466.	1.3	8
42	The adsorption of orthophosphate onto casein-iron precipitates. <i>Food Chemistry</i> , 2018, 239, 17-22.	4.2	7
43	Rheo-NMR studies of the behavior of a nematic liquid crystal in a low-shear-rate regime: The transition from director alignment to reorientation. <i>Physical Review E</i> , 2010, 82, 041712.	0.8	5
44	Rheo-NMR studies of a nematic worm-like micelle system in a high-shear-rate regime. <i>Soft Matter</i> , 2011, 7, 10291.	1.2	5
45	Structure and Stability of Whey Proteins. , 2014, , 201-242.		5
46	Acyclic peptides incorporating the $\langle \text{scpd} \rangle$ Phe-Cbz turn motif: Investigations on antimicrobial activity and propensity to adopt β -hairpin conformations. <i>Journal of Peptide Science</i> , 2018, 24, e3094.	0.8	5
47	Structure and stability of whey proteins. , 2020, , 251-291.		4
48	Cyclic peptides bearing the $\langle \text{scpd} \rangle$ Phe-Cbz turn motif: Structural characterization and antimicrobial potential. <i>Journal of Peptide Science</i> , 2021, 27, e3291.	0.8	4
49	Effects of Pressure and pH on the Hydrolysis of Cytosine: Implications for Nucleotide Stability around Deep-Sea Black Smokers. <i>ChemBioChem</i> , 2018, 19, 540-544.	1.3	3
50	Kiwifruit (<i>Actinidia deliciosa</i>), compared with cellulose and psyllium, influences the histology and mucus layer of the gastrointestinal tract in the growing pig. <i>Food and Function</i> , 2021, 12, 8007-8016.	2.1	3
51	Experimentally based structural model of Yih1 provides insight into its function in controlling the key translational regulator Gcn2. <i>FEBS Letters</i> , 2021, 595, 324-340.	1.3	1
52	On the properties of residual dipolar coupling alignment tensors: Simulations illuminate how residual dipolar couplings depend on the relative orientations of the magnetic field, the director of the alignment phase and the bond vectors. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2016, 45A, .	0.2	0