

Adam A Dowle

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54
papers

1,740
citations

23
h-index

41
g-index

59
ext. papers

2,148
ext. citations

8.1
avg, IF

4.45
L-index

#	Paper	IF	Citations
54	The secretome of the filarial parasite, <i>Brugia malayi</i> : proteomic profile of adult excretory-secretory products. <i>Molecular and Biochemical Parasitology</i> , 2008 , 160, 8-21	1.9	210
53	An ancient family of lytic polysaccharide monooxygenases with roles in arthropod development and biomass digestion. <i>Nature Communications</i> , 2018 , 9, 756	17.4	135
52	Proteomic analysis of secretory products from the model gastrointestinal nematode <i>Heligmosomoides polygyrus</i> reveals dominance of venom allergen-like (VAL) proteins. <i>Journal of Proteomics</i> , 2011 , 74, 1573-94	3.9	116
51	Enzymatic shaving of the tegument surface of live schistosomes for proteomic analysis: a rational approach to select vaccine candidates. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e993	4.8	102
50	Plant science. Morphinan biosynthesis in opium poppy requires a P450-oxidoreductase fusion protein. <i>Science</i> , 2015 , 349, 309-12	33.3	100
49	Perturbed cholesterol and vesicular trafficking associated with dengue blocking in Wolbachia-infected <i>Aedes aegypti</i> cells. <i>Nature Communications</i> , 2017 , 8, 526	17.4	89
48	The sodium channel-blocking antiepileptic drug phenytoin inhibits breast tumour growth and metastasis. <i>Molecular Cancer</i> , 2015 , 14, 13	42.1	87
47	Exploring the <i>Fasciola hepatica</i> tegument proteome. <i>International Journal for Parasitology</i> , 2011 , 41, 1347-59	4.3	82
46	Fate and uptake of pharmaceuticals in soil-earthworm systems. <i>Environmental Science & Technology</i> , 2014 , 48, 5955-63	10.3	64
45	Abundance of tegument surface proteins in the human blood fluke <i>Schistosoma mansoni</i> determined by QconCAT proteomics. <i>Journal of Proteomics</i> , 2011 , 74, 1519-33	3.9	55
44	Secretion of protective antigens by tissue-stage nematode larvae revealed by proteomic analysis and vaccination-induced sterile immunity. <i>PLoS Pathogens</i> , 2013 , 9, e1003492	7.6	44
43	<i>Heligmosomoides polygyrus</i> elicits a dominant nonprotective antibody response directed against restricted glycan and peptide epitopes. <i>Journal of Immunology</i> , 2011 , 187, 4764-77	5.3	42
42	A mass spectrometry method for the determination of the species of origin of gelatine in foods and pharmaceutical products. <i>Food Chemistry</i> , 2016 , 190, 276-284	8.5	39
41	Comparing the Diagnostic Classification Accuracy of iTRAQ, Peak-Area, Spectral-Counting, and emPAI Methods for Relative Quantification in Expression Proteomics. <i>Journal of Proteome Research</i> , 2016 , 15, 3550-3562	5.6	36
40	Formation of a Copper(II)-Tyrosyl Complex at the Active Site of Lytic Polysaccharide Monooxygenases Following Oxidation by HO. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18585-18599	16.4	36
39	Immunization with inflammatory proteome of <i>Brugia malayi</i> adult worm induces a Th1/Th2-immune response and confers protection against the filarial infection. <i>Vaccine</i> , 2009 , 27, 4263-71	4.1	31
38	The CD98 Heavy Chain Is a Marker and Regulator of Head and Neck Squamous Cell Carcinoma Radiosensitivity. <i>Clinical Cancer Research</i> , 2019 , 25, 3152-3163	12.9	29

37	Defining functional diversity for lignocellulose degradation in a microbial community using multi-omics studies. <i>Biotechnology for Biofuels</i> , 2018 , 11, 166	7.8	29
36	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. <i>Journal of Archaeological Science</i> , 2011 , 38, 1641-1654	2.9	28
35	Biotransformation of beta-myrcene to geraniol by a strain of <i>Rhodococcus erythropolis</i> isolated by selective enrichment from hop plants. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 721-30	5.7	26
34	Overcoming the trade-off between grain weight and number in wheat by the ectopic expression of expansin in developing seeds leads to increased yield potential. <i>New Phytologist</i> , 2021 , 230, 629-640	9.8	26
33	Uncovering the molecular mechanisms of lignocellulose digestion in shipworms. <i>Biotechnology for Biofuels</i> , 2018 , 11, 59	7.8	23
32	Revealing the insoluble metasecretome of lignocellulose-degrading microbial communities. <i>Scientific Reports</i> , 2017 , 7, 2356	4.9	23
31	New experimental evidence for in-chain amino acid racemization of serine in a model peptide. <i>Analytical Chemistry</i> , 2013 , 85, 5835-42	7.8	22
30	The mRNA-bound Proteome of : Novel Genetic Insight into an Ancient Parasite. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 1271-1284	7.6	21
29	Proteomics of Parma Dry-Cured Ham: Analysis of Salting Exudates. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6307-6316	5.7	21
28	Dynamics of plant histone modifications in response to DNA damage. <i>Biochemical Journal</i> , 2012 , 445, 393-401	3.8	21
27	S-Adenosyl-S-carboxymethyl-L-homocysteine: a novel cofactor found in the putative tRNA-modifying enzyme CmoA. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013 , 69, 1090-8		18
26	Plasma membrane proteomes of differentially matured dendritic cells identified by LC-MS/MS combined with iTRAQ labelling. <i>Journal of Proteomics</i> , 2012 , 75, 938-48	3.9	17
25	Multisite tyrosine phosphorylation of the N-terminus of Mint1/X11 by Src kinase regulates the trafficking of amyloid precursor protein. <i>Journal of Neurochemistry</i> , 2016 , 137, 518-27	6	16
24	Hemocyanin facilitates lignocellulose digestion by wood-boring marine crustaceans. <i>Nature Communications</i> , 2018 , 9, 5125	17.4	16
23	Increased intramuscular fat induced by reduced dietary protein in finishing pigs: effects on the longissimus lumborum muscle proteome. <i>Molecular BioSystems</i> , 2016 , 12, 2447-57		15
22	Proteomic analysis of laser capture microscopy purified myotendinous junction regions from muscle sections. <i>Proteome Science</i> , 2014 , 12, 25	2.6	13
21	Design, synthesis and structure-activity relationship of simple bis-amides as potent inhibitors of GlyT1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 5533-6	2.9	12
20	Lives before and after Stonehenge: An osteobiographical study of four prehistoric burials recently excavated from the Stonehenge World Heritage Site. <i>Journal of Archaeological Science: Reports</i> , 2018 , 20, 692-710	0.7	10

19	Living off the land: Terrestrial-based diet and dairying in the farming communities of the Neolithic Balkans. <i>PLoS ONE</i> , 2020 , 15, e0237608	3.7	10
18	Mechanistic strategies of microbial communities regulating lignocellulose deconstruction in a UK salt marsh. <i>Microbiome</i> , 2021 , 9, 48	16.6	10
17	PRMT7 regulates RNA-binding capacity and protein stability in Leishmania parasites. <i>Nucleic Acids Research</i> , 2020 , 48, 5511-5526	20.1	7
16	A quantitative immunoassay for lung cancer biomarker CIZ1b in patient plasma. <i>Clinical Biochemistry</i> , 2017 , 50, 336-343	3.5	7
15	The Salmonella effector SseJ disrupts microtubule dynamics when ectopically expressed in normal rat kidney cells. <i>PLoS ONE</i> , 2017 , 12, e0172588	3.7	7
14	Proteomic and Transcriptomic Patterns during Lipid Remodeling in. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
13	Mining the biomass deconstructing capabilities of rice yellow stem borer symbionts. <i>Biotechnology for Biofuels</i> , 2019 , 12, 265	7.8	6
12	A multi-omics approach to lignocellulolytic enzyme discovery reveals a new ligninase activity from NO1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
11	The Chlamydia trachomatis PmpD adhesin forms higher order structures through disulphide-mediated covalent interactions. <i>PLoS ONE</i> , 2018 , 13, e0198662	3.7	5
10	Characterization of the Streptomyces coelicolor Glycoproteome Reveals Glycoproteins Important for Cell Wall Biogenesis. <i>MBio</i> , 2019 , 10,	7.8	4
9	Proteomic resolution of IGFN1 complexes reveals a functional interaction with the actin nucleating protein COBL. <i>Experimental Cell Research</i> , 2020 , 395, 112179	4.2	3
8	Identification of DHX9 as a cell cycle regulated nucleolar recruitment factor for CIZ1. <i>Scientific Reports</i> , 2020 , 10, 18103	4.9	3
7	The structure of the Drosophila melanogaster sex peptide: Identification of hydroxylated isoleucine and a strain variation in the pattern of amino acid hydroxylation. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 124, 103414	4.5	2
6	Partial catalytic Cys oxidation of human GAPDH. <i>Wellcome Open Research</i> , 2020 , 5, 114	4.8	2
5	Partial catalytic Cys oxidation of human GAPDH. <i>Wellcome Open Research</i> , 2020 , 5, 114	4.8	2
4	Mutational Analysis of Linalool Dehydratase Isomerase Suggests That Alcohol and Alkene Transformations Are Catalyzed Using Noncovalent Mechanisms. <i>ACS Catalysis</i> , 2020 , 10, 11136-11146	13.1	2
3	Characterisation of the enzyme transport path between shipworms and their bacterial symbionts. <i>BMC Biology</i> , 2021 , 19, 233	7.3	1
2	Identification of mesenchymal stromal cell survival responses to antimicrobial silver ion concentrations released from orthopaedic implants. <i>Scientific Reports</i> , 2020 , 10, 18950	4.9	1

- 1 Mass spectrometric characterisation of the major peptides of the male ejaculatory duct, including a glycopeptide with an unusual zwitterionic glycosylation. *Journal of Proteomics*, **2021**, 246, 104307 3·9