

Adam A Dowle

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,429
citations

249298

26
h-index

242451

47
g-index

59
all docs

59
docs citations

59
times ranked

4774
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.5	79
2	Mechanistic strategies of microbial communities regulating lignocellulose deconstruction in a UK salt marsh. <i>Microbiome</i> , 2021, 9, 48.	4.9	35
3	A multi-omics approach to lignocellulolytic enzyme discovery reveals a new ligninase activity from <i>Parascedosporium putredinis</i> NO1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
4	Mass spectrometric characterisation of the major peptides of the male ejaculatory duct, including a glycopeptide with an unusual zwitterionic glycosylation. <i>Journal of Proteomics</i> , 2021, 246, 104307.	1.2	0
5	Characterisation of the enzyme transport path between shipworms and their bacterial symbionts. <i>BMC Biology</i> , 2021, 19, 233.	1.7	8
6	Proteomic resolution of IGFN1 complexes reveals a functional interaction with the actin nucleating protein COBL. <i>Experimental Cell Research</i> , 2020, 395, 112179.	1.2	9
7	Proteomic and Transcriptomic Patterns during Lipid Remodeling in <i>Nannochloropsis gaditana</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6946.	1.8	17
8	Identification of DHX9 as a cell cycle regulated nucleolar recruitment factor for CIZ1. <i>Scientific Reports</i> , 2020, 10, 18103.	1.6	6
9	Living off the land: Terrestrial-based diet and dairying in the farming communities of the Neolithic Balkans. <i>PLoS ONE</i> , 2020, 15, e0237608.	1.1	21
10	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.	5.5	4
11	Identification of mesenchymal stromal cell survival responses to antimicrobial silver ion concentrations released from orthopaedic implants. <i>Scientific Reports</i> , 2020, 10, 18950.	1.6	6
12	PRMT7 regulates RNA-binding capacity and protein stability in <i>Leishmania</i> parasites. <i>Nucleic Acids Research</i> , 2020, 48, 5511-5526.	6.5	14
13	The structure of the <i>Drosophila melanogaster</i> 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.	1.2	3
14	Partial catalytic Cys oxidation of human GAPDH to Cys-sulfonic acid.. <i>Wellcome Open Research</i> , 2020, 5, 114.	0.9	3
15	Partial catalytic Cys oxidation of human GAPDH. <i>Wellcome Open Research</i> , 2020, 5, 114.	0.9	3
16	Characterization of the <i>Streptomyces coelicolor</i> Glycoproteome Reveals Glycoproteins Important for Cell Wall Biogenesis. <i>MBio</i> , 2019, 10, .	1.8	13
17	Formation of a Copper(II)-Tyrosyl Complex at the Active Site of Lytic Polysaccharide Monooxygenases Following Oxidation by H ₂ O ₂ . <i>Journal of the American Chemical Society</i> , 2019, 141, 18585-18599.	6.6	66
18	Mining the biomass deconstructing capabilities of rice yellow stem borer symbionts. <i>Biotechnology for Biofuels</i> , 2019, 12, 265.	6.2	10

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19	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.	3.2	53
20	The mRNA-bound Proteome of <i>Leishmania mexicana</i> : Novel Genetic Insight into an Ancient Parasite. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1271-1284.	2.5	33
21	An ancient family of lytic polysaccharide monooxygenases with roles in arthropod development and biomass digestion. <i>Nature Communications</i> , 2018, 9, 756.	5.8	192
22	Uncovering the molecular mechanisms of lignocellulose digestion in shipworms. <i>Biotechnology for Biofuels</i> , 2018, 11, 59.	6.2	42
23	Hemocyanin facilitates lignocellulose digestion by wood-boring marine crustaceans. <i>Nature Communications</i> , 2018, 9, 5125.	5.8	29
24	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.	0.2	12
25	Defining functional diversity for lignocellulose degradation in a microbial community using multi-omics studies. <i>Biotechnology for Biofuels</i> , 2018, 11, 166.	6.2	44
26	The <i>Chlamydia trachomatis</i> PmpD adhesin forms higher order structures through disulphide-mediated covalent interactions. <i>PLoS ONE</i> , 2018, 13, e0198662.	1.1	11
27	Perturbed cholesterol and vesicular trafficking associated with dengue blocking in <i>Wolbachia</i> -infected <i>Aedes aegypti</i> cells. <i>Nature Communications</i> , 2017, 8, 526.	5.8	139
28	Proteomics of Parma Dry-Cured Ham: Analysis of Salting Exudates. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6307-6316.	2.4	27
29	Revealing the insoluble metasecretome of lignocellulose-degrading microbial communities. <i>Scientific Reports</i> , 2017, 7, 2356.	1.6	30
30	A quantitative immunoassay for lung cancer biomarker CIZ1b in patient plasma. <i>Clinical Biochemistry</i> , 2017, 50, 336-343.	0.8	8
31	The <i>Salmonella</i> effector SseJ disrupts microtubule dynamics when ectopically expressed in normal rat kidney cells. <i>PLoS ONE</i> , 2017, 12, e0172588.	1.1	9
32	Multisite tyrosine phosphorylation of the N-terminus of Mint1/X11 β by Src kinase regulates the trafficking of amyloid precursor protein. <i>Journal of Neurochemistry</i> , 2016, 137, 518-527.	2.1	24
33	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.	1.8	52
34	Increased intramuscular fat induced by reduced dietary protein in finishing pigs: effects on the longissimus lumborum muscle proteome. <i>Molecular BioSystems</i> , 2016, 12, 2447-2457.	2.9	17
35	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.	4.2	51
36	Morphinan biosynthesis in opium poppy requires a P450-oxidoreductase fusion protein. <i>Science</i> , 2015, 349, 309-312.	6.0	130

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37	The sodium channel-blocking antiepileptic drug phenytoin inhibits breast tumour growth and metastasis. <i>Molecular Cancer</i> , 2015, 14, 13.	7.9	127
38	Abstract P6-03-10: Targeting voltage-gated sodium channels with the antiepileptic drug phenytoin inhibits breast tumor growth and metastasis. , 2015, , .		1
39	Fate and Uptake of Pharmaceuticals in Soil—Earthworm Systems. <i>Environmental Science & Technology</i> , 2014, 48, 5955-5963.	4.6	88
40	Proteomic analysis of laser capture microscopy purified myotendinous junction regions from muscle sections. <i>Proteome Science</i> , 2014, 12, 25.	0.7	16
41	New Experimental Evidence for In-Chain Amino Acid Racemization of Serine in a Model Peptide. <i>Analytical Chemistry</i> , 2013, 85, 5835-5842.	3.2	30
42	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.	2.1	49
43	<i>S</i> -Adenosyl- <i>S</i> -carboxymethyl-L-homocysteine: a novel cofactor found in the putative tRNA-modifying enzyme CmoA. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1090-1098.	2.5	20
44	The role of salt in dry cured ham processing characterized by LC-MS/MS-based proteomics. , 2013, , 274-277.		0
45	Dynamics of plant histone modifications in response to DNA damage. <i>Biochemical Journal</i> , 2012, 445, 393-401.	1.7	25
46	Plasma membrane proteomes of differentially matured dendritic cells identified by LC-MS/MS combined with iTRAQ labelling. <i>Journal of Proteomics</i> , 2012, 75, 938-948.	1.2	19
47	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. <i>Journal of Archaeological Science</i> , 2011, 38, 1641-1654.	1.2	38
48	Exploring the Fasciola hepatica tegument proteome. <i>International Journal for Parasitology</i> , 2011, 41, 1347-1359.	1.3	99
49	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, 1573-1594.	1.2	136
50	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, 1519-1533.	1.2	69
51	<i>Heligmosomoides polygyrus</i> Elicits a Dominant Nonprotective Antibody Response Directed against Restricted Glycan and Peptide Epitopes. <i>Journal of Immunology</i> , 2011, 187, 4764-4777.	0.4	46
52	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.	1.3	129
53	Biotransformation of Î ² -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, 721-730.	1.7	31
54	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, 4263-4271.	1.7	37

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55	Design, synthesis and structure-activity relationship of simple bis-amides as potent inhibitors of GlyT1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5533-5536.	1.0	13
56	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.	0.5	231