

Mike Hubbard

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

3,041
citations

26
h-index

54
g-index

65
ext. papers

3,204
ext. citations

3.9
avg, IF

5.07
L-index

#	Paper	IF	Citations
63	On target with a new mechanism for the regulation of protein phosphorylation. <i>Trends in Biochemical Sciences</i> , 1993 , 18, 172-7	10.3	845
62	Functional domain structure of calcineurin A: mapping by limited proteolysis. <i>Biochemistry</i> , 1989 , 28, 1868-74	3.2	189
61	Regulation of protein phosphatase-1G from rabbit skeletal muscle. 1. Phosphorylation by cAMP-dependent protein kinase at site 2 releases catalytic subunit from the glycogen-bound holoenzyme. <i>FEBS Journal</i> , 1989 , 186, 701-9		107
60	Mitochondrial ATP synthase F1-beta-subunit is a calcium-binding protein. <i>FEBS Letters</i> , 1996 , 391, 323-9	3.8	103
59	Regulation of protein phosphatase-1G from rabbit skeletal muscle. 2. Catalytic subunit translocation is a mechanism for reversible inhibition of activity toward glycogen-bound substrates. <i>FEBS Journal</i> , 1989 , 186, 711-6		92
58	Calcium transport across the dental enamel epithelium. <i>Critical Reviews in Oral Biology and Medicine</i> , 2000 , 11, 437-66		81
57	Parasexual genetic analysis of <i>Candida albicans</i> by spheroplast fusion. <i>Journal of Bacteriology</i> , 1981 , 146, 833-40	3.5	78
56	Identification of novel candidate genes involved in mineralization of dental enamel by genome-wide transcript profiling. <i>Journal of Cellular Physiology</i> , 2012 , 227, 2264-75	7	75
55	The glycogen-binding subunit of protein phosphatase-1G from rabbit skeletal muscle. Further characterisation of its structure and glycogen-binding properties. <i>FEBS Journal</i> , 1989 , 180, 457-65		74
54	Surface integrity governs the proteome of hypomineralized enamel. <i>Journal of Dental Research</i> , 2010 , 89, 1160-5	8.1	71
53	Molecular cloning of ERp29, a novel and widely expressed resident of the endoplasmic reticulum. <i>FEBS Letters</i> , 1997 , 402, 145-50	3.8	68
52	Calbindin28kDa and calmodulin are hyperabundant in rat dental enamel cells. Identification of the protein phosphatase calcineurin as a principal calmodulin target and of a secretion-related role for calbindin28kDa. <i>FEBS Journal</i> , 1995 , 230, 68-79		68
51	Targetting of protein phosphatase 1 to the sarcoplasmic reticulum of rabbit skeletal muscle by a protein that is very similar or identical to the G subunit that directs the enzyme to glycogen. <i>FEBS Journal</i> , 1990 , 189, 243-9		67
50	ERp29 restricts Connexin43 oligomerization in the endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2593-604	3.5	66
49	Multisite phosphorylation of the glycogen-binding subunit of protein phosphatase-1G by cyclic AMP-dependent protein kinase and glycogen synthase kinase-3. <i>FEBS Letters</i> , 1989 , 248, 67-72	3.8	60
48	New paradigms on the transport functions of maturation-stage ameloblasts. <i>Journal of Dental Research</i> , 2013 , 92, 122-9	8.1	57
47	Abundant calcium homeostasis machinery in rat dental enamel cells. Up-regulation of calcium store proteins during enamel mineralization implicates the endoplasmic reticulum in calcium transcytosis. <i>FEBS Journal</i> , 1996 , 239, 611-23		55

46	Isolation of ERp29, a novel endoplasmic reticulum protein, from rat enamel cells. Evidence for a unique role in secretory-protein synthesis. <i>FEBS Journal</i> , 2000 , 267, 1945-57		54
45	ERp29 is a ubiquitous resident of the endoplasmic reticulum with a distinct role in secretory protein production. <i>Journal of Histochemistry and Cytochemistry</i> , 2002 , 50, 557-66	3.4	45
44	Calbindin28kDa and calbindin30kDa (calretinin) are substantially localised in the particulate fraction of rat brain. <i>FEBS Letters</i> , 1995 , 374, 333-7	3.8	45
43	Partial structure and hormonal regulation of rabbit liver inhibitor-1; distribution of inhibitor-1 and inhibitor-2 in rabbit and rat tissues. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1989 , 1010, 218-26	4.9	45
42	Isolation and morphological characterization of a mycelial mutant of <i>Candida albicans</i> . <i>Journal of Bacteriology</i> , 1986 , 165, 61-5	3.5	43
41	Gene-expression analysis of early- and late-maturation-stage rat enamel organ. <i>European Journal of Oral Sciences</i> , 2011 , 119 Suppl 1, 149-57	2.3	35
40	Triplex profiling of functionally distinct chaperones (ERp29/PDI/BiP) reveals marked heterogeneity of the endoplasmic reticulum proteome in cancer. <i>Journal of Proteome Research</i> , 2008 , 7, 3364-72	5.6	34
39	Human ERp29: isolation, primary structural characterisation and two-dimensional gel mapping. <i>Electrophoresis</i> , 2000 , 21, 3785-96	3.6	34
38	Dental enamel cells express functional SOCE channels. <i>Scientific Reports</i> , 2015 , 5, 15803	4.9	29
37	The isolation of plasma membrane and characterisation of the plasma membrane ATPase from the yeast <i>Candida albicans</i> . <i>FEBS Journal</i> , 1986 , 154, 375-81		26
36	Pancreatic beta cells are highly susceptible to oxidative and ER stresses during the development of diabetes. <i>Journal of Proteome Research</i> , 2015 , 14, 688-99	5.6	25
35	Lysozyme and alpha-lactalbumin from the milk of a marsupial, the common brush-tailed possum (<i>Trichosurus vulpecula</i>). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997 , 1336, 235-42	4	24
34	Calbindin independence of calcium transport in developing teeth contradicts the calcium ferry dogma. <i>Journal of Biological Chemistry</i> , 2004 , 279, 55850-4	5.4	24
33	ERp29, a general endoplasmic reticulum marker, is highly expressed throughout the brain. <i>Journal of Comparative Neurology</i> , 2004 , 477, 29-42	3.4	24
32	ERp29 regulates DeltaF508 and wild-type cystic fibrosis transmembrane conductance regulator (CFTR) trafficking to the plasma membrane in cystic fibrosis (CF) and non-CF epithelial cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 21239-53	5.4	23
31	A prominent role of PDIA6 in processing of misfolded proinsulin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016 , 1864, 715-723	4	21
30	Proteomic analysis of enamel cells from developing rat teeth: big returns from a small tissue. <i>Electrophoresis</i> , 1998 , 19, 1891-900	3.6	21
29	Proteomic analysis of dental tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 771, 211-20	3.2	21

28	Morphological studies of N-acetylglucosamine induced germ tube formation by <i>Candida albicans</i> . <i>Canadian Journal of Microbiology</i> , 1985 , 31, 696-701	3.2	21
27	Biophysical characterization of ERp29. Evidence for a key structural role of cysteine 125. <i>Journal of Biological Chemistry</i> , 2005 , 280, 13529-37	5.4	20
26	Enamel cell biology. Towards a comprehensive biochemical understanding. <i>Connective Tissue Research</i> , 1998 , 38, 17-32; discussion 35-41	3.3	19
25	Proteomic profiling of facial development in chick embryos. <i>Proteomics</i> , 2005 , 5, 2542-50	4.8	19
24	Targeting subunits for protein phosphatases. <i>Methods in Enzymology</i> , 1991 , 201, 414-27	1.7	19
23	Calmodulin-like activity in a mineralising tissue: the rat molar tooth germ. <i>Calcified Tissue International</i> , 1981 , 33, 545-8	3.9	18
22	Calbindin28kDa is specifically associated with extranuclear constituents of the dense particulate fraction. <i>Cell and Tissue Research</i> , 2000 , 302, 171-80	4.2	16
21	Molar Hypomineralisation: A Call to Arms for Enamel Researchers. <i>Frontiers in Physiology</i> , 2017 , 8, 546	4.6	14
20	Evidence That Calcium Entry Into Calcium-Transporting Dental Enamel Cells Is Regulated by Cholecystokinin, Acetylcholine and ATP. <i>Frontiers in Physiology</i> , 2018 , 9, 801	4.6	13
19	Exclusion of all three calbindins from a calcium-ferry role in rat enamel cells. <i>European Journal of Oral Sciences</i> , 2011 , 119 Suppl 1, 112-9	2.3	12
18	Characterization of a high-affinity monoclonal antibody to calcineurin whose epitope defines a new structural domain of calcineurin A. <i>FEBS Journal</i> , 1989 , 185, 411-8		12
17	Correlated light and scanning electron microscopy of artificial carious lesions. <i>Journal of Dental Research</i> , 1982 , 61, 14-9	8.1	12
16	Characterization of a tetraploid derivative of <i>Candida albicans</i> ATCC 10261. <i>Journal of Bacteriology</i> , 1985 , 161, 781-3	3.5	12
15	Towards second-generation proteome analysis of murine enamel-forming cells. <i>European Journal of Oral Sciences</i> , 2006 , 114 Suppl 1, 259-65; discussion 285-6, 382	2.3	11
14	ToothPrint, a proteomic database for dental tissues. <i>Proteomics</i> , 2001 , 1, 132-5	4.8	11
13	Rapid purification and direct microassay of calbindin9kDa utilizing its solubility in perchloric acid. <i>Biochemical Journal</i> , 1993 , 293 (Pt 1), 223-7	3.8	11
12	Enamel Research: Priorities and Future Directions. <i>Frontiers in Physiology</i> , 2017 , 8, 513	4.6	10
11	Enamel Proteomics and Protein Interactions. <i>European Journal of Oral Sciences</i> , 2006 , 114, 285-286	2.3	10

10	Rapid dissection of rodent molar-tooth germs. <i>Laboratory Animals</i> , 1981 , 15, 371-3	2.6	8
9	Pathogenesis of Molar Hypomineralisation: Hypomineralised 6-Year Molars Contain Traces of Fetal Serum Albumin. <i>Frontiers in Physiology</i> , 2020 , 11, 619	4.6	6
8	Differential feeding-related regulation of ubiquitin and calbindin9kDa in rat duodenum. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994 , 1200, 191-6	4	6
7	Direct evidence that KLK4 is a hydroxyapatite-binding protein. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1896-1900	3.4	6
6	Pathogenesis of Molar Hypomineralisation: Aged Albumin Demarcates Chalky Regions of Hypomineralised Enamel. <i>Frontiers in Physiology</i> , 2020 , 11, 579015	4.6	5
5	Proteomic analysis of dental tissue microsamples. <i>Methods in Molecular Biology</i> , 2010 , 666, 309-25	1.4	4
4	Scanning electron microscopy of trypsin-treated enamel from fluorosed rat molars. <i>Advances in Dental Research</i> , 1989 , 3, 183-7	2.3	2
3	A Breakthrough in Understanding the Pathogenesis of Molar Hypomineralisation: The Mineralisation-Poisoning Model.. <i>Frontiers in Physiology</i> , 2021 , 12, 802833	4.6	2
2	Hierarchical protein identifications and assignments. <i>Journal of Proteome Research</i> , 2006 , 5, 733	5.6	1
1	Proteomic Analysis of Dental Tissue Microsamples. <i>Methods in Molecular Biology</i> , 2017 , 1537, 461-479	1.4	1