Eleonora Kurtenbach

List of Publications by Year
in descending order

54 papers	1,673 citations	279798 23 h-index	289244 40 g-index
54 all docs	54 docs citations	54 times ranked	2141 citing authors

#	Article	IF	Citations
1	Antifungal Pisum sativum Defensin 1 Interacts with Neurospora crassa Cyclin F Related to the Cell Cycle. Biochemistry, 2007, 46, 987-996.	2.5	153
2	Solution structure of Pisum sativum defensin 1 by high resolution NMR: plant defensins, identical backbone with different mechanisms of action 1 1Edited by M. F. Summers. Journal of Molecular Biology, 2002, 315, 749-757.	4.2	135
3	Characterization of Two Novel Defense Peptides from Pea (Pisum sativum) Seeds. Archives of Biochemistry and Biophysics, 2000, 378, 278-286.	3.0	134
4	Genomic expression pattern in Saccharomyces cerevisiae cells in response to high hydrostatic pressure. FEBS Letters, 2004, 556, 153-160.	2.8	110
5	Optimized Expression of a Thermostable Xylanase from Thermomyces lanuginosus in Pichia pastoris. Applied and Environmental Microbiology, 2003, 69, 6064-6072.	3.1	98
6	Production of the active antifungal Pisum sativum defensin 1 (Psd1) in Pichia pastoris: overcoming the inefficiency of the STE13 protease. Protein Expression and Purification, 2003, 31, 115-122.	1.3	87
7	Backbone dynamics of the antifungal Psd1 pea defensin and its correlation with membrane interaction by NMR spectroscopy. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 105-113.	2.6	82
8	cDNA Cloning and Heterologous Expression of Functional Cysteine-Rich Antifungal Protein Psd1 in the Yeast Pichia pastoris. Archives of Biochemistry and Biophysics, 2001, 395, 199-207.	3.0	55
9	Expression of functional receptors and transmitter enzymes in cultured Muller cells. Brain Research, 2005, 1038, 141-149.	2.2	47
10	Psd1 Effects on Candida albicans Planktonic Cells and Biofilms. Frontiers in Cellular and Infection Microbiology, 2017, 7, 249.	3.9	46
11	The P2X7 Receptor Contributes to the Development of the Exacerbated Inflammatory Response Associated with Sepsis. Journal of Innate Immunity, 2015, 7, 417-427.	3.8	44
12	Human chagasic IgGs bind to cardiac muscarinic receptors and impair L-type Ca currents. Cardiovascular Research, 2003, 58, 55-65.	3.8	37
13	High hydrostatic pressure activates gene expression through Msn2/4 stress transcription factors which are involved in the acquired tolerance by mild pressure precondition inSaccharomyces cerevisiae. FEBS Letters, 2006, 580, 6033-6038.	2.8	37
14	Complex SUMO-1 Regulation of Cardiac Transcription Factor Nkx2-5. PLoS ONE, 2011, 6, e24812.	2.5	34
15	Evaluation of the membrane lipid selectivity of the pea defensin Psd1. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1420-1426.	2.6	33
16	High Intensity Interval Training (HIIT) Induces Specific Changes in Respiration and Electron Leakage in the Mitochondria of Different Rat Skeletal Muscles. PLoS ONE, 2015, 10, e0131766.	2.5	33
17	Muscarinic acetylcholine receptors: structure and function. Biochemical Society Transactions, 1991, 19, 133-138.	3.4	32
18	Effect of hydrostatic pressure on a mutant of Saccharomyces cerevisiae deleted in the trehalose-6-phosphate synthase gene. FEMS Microbiology Letters, 2006, 152, 17-21.	1.8	30

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19	DNA immunizations with M muscarinic and ? adrenergic receptor coding plasmids impair cardiac function in mice. Journal of Molecular and Cellular Cardiology, 2005, 38, 703-714.	1.9	29
20	Presence of antibodies against the third intracellular loop of the m2 muscarinic receptor in the sera of chronic chagasic patients. FASEB Journal, 1999, 13, 2015-2020.	0.5	28
21	Evolutionary relationship between defensins in the Poaceae family strengthened by the characterization of new sugarcane defensins. Plant Molecular Biology, 2008, 68, 321-335.	3.9	28
22	Psd1 binding affinity toward fungal membrane components as assessed by SPR: The role of glucosylceramide in fungal recognition and entry. Biopolymers, 2014, 102, 456-464.	2.4	27
23	Effect of hydrostatic pressure on the morphology and ultrastructure of wild-type and trehalose synthase mutant cells of Saccharomyces cerevisiae. Letters in Applied Microbiology, 2001, 32, 42-46.	2.2	26
24	Biochemical properties of the major proteins from Rhodnius prolixus eggshell. Insect Biochemistry and Molecular Biology, 2007, 37, 1207-1221.	2.7	24
25	Improved biocontrol of fruit decay fungi with Pichia pastoris recombinant strains expressing Psd1 antifungal peptide. Postharvest Biology and Technology, 2008, 47, 218-225.	6.0	24
26	Autoantibodies Enhance Agonist Action and Binding to Cardiac Muscarinic Receptors in Chronic Chagas' Disease. Journal of Receptor and Signal Transduction Research, 2008, 28, 375-401.	2.5	22
27	Arrest of oogenesis in the bug Rhodnius prolixus challenged with the fungus Aspergillus niger is mediated by immune response-derived PGE2. Journal of Insect Physiology, 2009, 55, 151-158.	2.0	22
28	P2Ã—7 purinergic signaling in dilated cardiomyopathy induced by auto-immunity against muscarinic M2 receptors: autoantibody levels, heart functionality and cytokine expression. Scientific Reports, 2015, 5, 16940.	3.3	20
29	Psd2 pea defensin shows a preference for mimetic membrane rafts enriched with glucosylceramide and ergosterol. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 713-728.	2.6	17
30	Structural and Functional Study of Yer067w, a New Protein Involved in Yeast Metabolism Control and Drug Resistance. PLoS ONE, 2010, 5, e11163.	2.5	16
31	Acute Carnosine Administration Increases Respiratory Chain Complexes and Citric Acid Cycle Enzyme Activities in Cerebral Cortex of Young Rats. Molecular Neurobiology, 2016, 53, 5582-5590.	4.0	16
32	Cloning, expression, and purification of recombinant bovine rotavirus hemagglutinin, VP8*, in Escherichia coli. Protein Expression and Purification, 2006, 46, 196-203.	1.3	15
33	P2X7 receptor activation increases caveolin-1 expression and macrophage lipid raft formation boosting CD39 activity. Journal of Cell Science, 2020, 133, .	2.0	15
34	Differential Expression of D1A and D1B Dopamine Receptor mRNAs in the Developing Avian Retina. Journal of Neurochemistry, 2002, 75, 1071-1075.	3.9	14
35	Microscopic and molecular characterization of ovarian follicle atresia in Rhodnius prolixus Stahl under immune challenge. Journal of Insect Physiology, 2011, 57, 945-953.	2.0	14
36	A Reliable Assay to Evaluate the Virulence of Aspergillus nidulans Using the Alternative Animal Model Galleria mellonella (Lepidoptera). Bio-protocol, 2017, 7, .	0.4	13

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37	Nuclear magnetic resonance solution structure of Pisum sativum defensin 2 provides evidence for the presence of hydrophobic surfaceâ€clusters. Proteins: Structure, Function and Bioinformatics, 2020, 88, 242-246.	2.6	12
38	N-terminal chimeric constructs improve the expression of sarcoplasmic reticulum Ca2+-ATPase in yeast. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1461, 83-95.	2.6	11
39	Expression of soluble, glycosylated and correctly folded dengue virus NS1 protein in Pichia pastoris. Protein Expression and Purification, 2019, 162, 9-17.	1.3	10
40	Immunization with plasmids encoding M2 acetylcholine muscarinic receptor epitopes impairs cardiac function in mice and induces autophagy in the myocardium. Autoimmunity, 2018, 51, 245-257.	2.6	8
41	Mapping the web relations of science centres and museums from Latin America. Scientometrics, 2009, 79, 491-505.	3.0	6
42	Pisum sativum Defensin 1 Eradicates Mouse Metastatic Lung Nodules from B16F10 Melanoma Cells. International Journal of Molecular Sciences, 2020, 21, 2662.	4.1	6
43	P2X7 Receptor Triggers Lysosomal Leakage Through Calcium Mobilization in a Mechanism Dependent on Pannexin-1 Hemichannels. Frontiers in Immunology, 2022, 13, 752105.	4.8	5
44	15N, 13C, and 1H resonance assignments of Jarastatin: a disintegrin of Bothrops jararaca. Biomolecular NMR Assignments, 2022, 16, 37-40.	0.8	4
45	The putative disulphide bond in muscarinic receptors. Biochemical Society Transactions, 1990, 18, 442-443.	3.4	3
46	Expression of Pisum sativum defensin 1 (Psd1) in shaking flasks and bioreactor cultivations of recombinant Pichia pastoris at different pHs. Brazilian Journal of Chemical Engineering, 2004, 21, 155-164.	1.3	3
47	IFN-Î³ versus IL-17: A Battle During Cardiac Autoimmunity Evolution. , 0, , .		2
48	Determining Maximal Muscle Strength in Mice: Validity and Reliability of an Adapted Swimming Incremental Overload Test. Journal of Strength and Conditioning Research, 2020, 34, 2360-2368.	2.1	2
49	Effect of hydrostatic pressure on a mutant of Saccharomyces cerevisiae deleted in the trehalose-6-phosphate synthase gene. FEMS Microbiology Letters, 1997, 152, 17-21.	1.8	2
50	PSD1 Antimicrobial Activity Against Candida Albicans Planktonic Cells and Biofilms. Biophysical Journal, 2016, 110, 417a.	0.5	1
51	The giant artery: blood and blood vessels in a science museum. Journal of Biological Education, 2021, 55, 440-458.	1.5	1
52	Structural Biology Reveals A New Protein Family from S.Cerevisiae with AÂNovel Fold and Implicated in the Metabolism Control And Drug Resistance. Biophysical Journal, 2010, 98, 251a.	0.5	0
53	Characterization of Aspergillus nidulans Biofilm Formation and Structure and Their Inhibition by Pea Defensin Psd2. Frontiers in Molecular Biosciences, 2022, 9, 795255.	3.5	0
54	Progressive resistance exercise prevents muscle strength loss due to muscle atrophy induced by methylmercury systemic intoxication. JCSM Clinical Reports, 2021, 6, 80-92.	1.3	0