

Thomas Peterbauer

List of Publications by Year in descending order

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31
papers

1,744
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

2730
citing authors

#	ARTICLE	IF	CITATIONS
1	p62 filaments capture and present ubiquitinated cargos for autophagy. <i>EMBO Journal</i> , 2018, 37, .	7.8	254
2	Proliferation of aligned mammalian cells on laser-nanostructured polystyrene. <i>Biomaterials</i> , 2008, 29, 1796-1806.	11.4	219
3	Analysis of the Raffinose Family Oligosaccharide Pathway in Pea Seeds with Contrasting Carbohydrate Composition. <i>Plant Physiology</i> , 2001, 127, 1764-1772.	4.8	121
4	myo-Inositol and sucrose concentrations affect the accumulation of raffinose family oligosaccharides in seeds. <i>Journal of Experimental Botany</i> , 2004, 55, 1981-1987.	4.8	114
5	Enniatin Exerts p53-Dependent Cytostatic and p53-Independent Cytotoxic Activities against Human Cancer Cells. <i>Chemical Research in Toxicology</i> , 2007, 20, 465-473.	3.3	114
6	Inhibition of raffinose oligosaccharide breakdown delays germination of pea seeds. <i>Journal of Plant Physiology</i> , 2007, 164, 1093-1096.	3.5	97
7	Chain Elongation of Raffinose in Pea Seeds. <i>Journal of Biological Chemistry</i> , 2002, 277, 194-200.	3.4	91
8	Functional expression of a cDNA encoding pea (<i>Pisum sativum</i> L.) raffinose synthase, partial purification of the enzyme from maturing seeds, and steady-state kinetic analysis of raffinose synthesis. <i>Planta</i> , 2002, 215, 839-846.	3.2	75
9	Galactosylonitol and Stachyose Synthesis in Seeds of Adzuki Bean ¹ . <i>Plant Physiology</i> , 1998, 117, 165-172.	4.8	73
10	Enzymatic breakdown of raffinose oligosaccharides in pea seeds. <i>Planta</i> , 2008, 228, 99-110.	3.2	65
11	Purification and Characterization of Stachyose Synthase from Lentil (<i>Lens culinaris</i>) Seeds: Galactopinitol and Stachyose Synthesis. <i>Archives of Biochemistry and Biophysics</i> , 1999, 366, 75-81.	3.0	53
12	The metabolic role and evolution of l-arabinitol 4-dehydrogenase of <i>Hypocrea jecorina</i> . <i>FEBS Journal</i> , 2004, 271, 1864-1872.	0.2	47
13	Metabolism of Galactosylonitol in Seeds of <i>Vigna umbellata</i> . <i>Plant and Cell Physiology</i> , 1998, 39, 334-341.	3.1	42
14	Simple and versatile methods for the fabrication of arrays of live mammalian cells. <i>Lab on A Chip</i> , 2006, 6, 857.	6.0	41
15	Stachyose synthesis in seeds of adzuki bean (<i>Vigna angularis</i>): molecular cloning and functional expression of stachyose synthase. <i>Plant Journal</i> , 1999, 20, 509-518.	5.7	40
16	Induction of raffinose oligosaccharide biosynthesis by abscisic acid in somatic embryos of alfalfa (<i>Medicago sativa</i> L.). <i>Plant Science</i> , 2005, 168, 1075-1082.	3.6	40
17	A novel non-canonical PIP-box mediates PARG interaction with PCNA. <i>Nucleic Acids Research</i> , 2017, 45, 9741-9759.	14.5	30
18	Stachyose in the cytosol does not influence freezing tolerance of transgenic <i>Arabidopsis</i> expressing stachyose synthase from adzuki bean. <i>Plant Science</i> , 2011, 180, 24-30.	3.6	26

#	ARTICLE	IF	CITATIONS
19	Dynamics of Spreading and Alignment of Cells Cultured In Vitro on a Grooved Polymer Surface. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-10.	2.7	25
20	Coupled and Independent Contributions of Residues in IS6 and IIS6 to Activation Gating of CaV1.2. <i>Journal of Biological Chemistry</i> , 2009, 284, 12276-12284.	3.4	24
21	Structure of Galactosylononitol. <i>Journal of Natural Products</i> , 1997, 60, 749-751.	3.0	22
22	Enzymatic control of the accumulation of verbascose in pea seeds. <i>Plant, Cell and Environment</i> , 2003, 26, 1385-1391.	5.7	22
23	Phasing out the bad: How SQSTM1/p62 sequesters ubiquitinated proteins for degradation by autophagy. <i>Autophagy</i> , 2018, 14, 1280-1282.	9.1	20
24	Isolation and structural analysis of ajugose from <i>Vigna mungo</i> L.. <i>Carbohydrate Research</i> , 2006, 341, 2156-2160.	2.3	18
25	Identification of a digalactosyl ononitol from seeds of adzuki bean (<i>Vigna angularis</i>). <i>Carbohydrate Research</i> , 2003, 338, 2017-2019.	2.3	15
26	Bacteriophage-encoded toxins: the ϕ -holin protein causes caspase-independent non-apoptotic cell death of eukaryotic cells. <i>Cellular Microbiology</i> , 2007, 9, 1753-1765.	2.1	15
27	Order from disorder in the sarcomere: FATZ forms a fuzzy but tight complex and phase-separated condensates with β -actinin. <i>Science Advances</i> , 2021, 7, .	10.3	15
28	Dynamics of the Alignment of Mammalian Cells on a Nano-Structured Polymer Surface. <i>Macromolecular Symposia</i> , 2010, 296, 272-277.	0.7	10
29	Mouse Mammary Tumor Virus Promoter-Containing Retroviral Promoter Conversion Vectors for Gene-Directed Enzyme Prodrug Therapy are Functional in Vitro and in Vivo. <i>Journal of Biomedicine and Biotechnology</i> , 2008, 2008, 1-10.	3.0	8
30	Analysis of the Raffinose Family Oligosaccharide Pathway in Pea Seeds with Contrasting Carbohydrate Composition. <i>Plant Physiology</i> , 2001, 127, 1764-1772.	4.8	7
31	Photochemical surface modification of polymers for biomedical applications. , 2006, , .		1