

Marie-Claire Goulet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10655257/publications.pdf>

Version: 2024-02-01

27
papers

870
citations

516710

16
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

832
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant cystatins. <i>Biochimie</i> , 2010, 92, 1657-1666.	2.6	160
2	Recombinant protease inhibitors for herbivore pest control: a multitrophic perspective. <i>Journal of Experimental Botany</i> , 2010, 61, 4169-4183.	4.8	112
3	Tailoring the Specificity of a Plant Cystatin toward Herbivorous Insect Digestive Cysteine Proteases by Single Mutations at Positively Selected Amino Acid Sites. <i>Plant Physiology</i> , 2008, 146, 1010-1019.	4.8	69
4	Protection of Recombinant Mammalian Antibodies from Development-Dependent Proteolysis in Leaves of <i>Nicotiana benthamiana</i> . <i>PLoS ONE</i> , 2013, 8, e70203.	2.5	54
5	2D proteome maps for the leaf apoplast of <i>Nicotiana benthamiana</i> . <i>Proteomics</i> , 2010, 10, 2536-2544.	2.2	53
6	Modulating the proteinase inhibitory profile of a plant cystatin by single mutations at positively selected amino acid sites. <i>Plant Journal</i> , 2006, 48, 403-413.	5.7	43
7	Tomato cystatin <i>S</i> as a stabilizing fusion partner for human serpin expression in plants. <i>Plant Biotechnology Journal</i> , 2013, 11, 1058-1068.	8.3	32
8	Modulating secretory pathway pH by proton channel co-expression can increase recombinant protein stability in plants. <i>Biotechnology Journal</i> , 2015, 10, 1478-1486.	3.5	32
9	An Accessory Protease Inhibitor to Increase the Yield and Quality of a Tumour-Targeting mAb in <i>Nicotiana benthamiana</i> Leaves. <i>PLoS ONE</i> , 2016, 11, e0167086.	2.5	30
10	Multimodal Protein Constructs for Herbivore Insect Control. <i>Toxins</i> , 2012, 4, 455-475.	3.4	27
11	Discrimination of Differentially Inhibited Cysteine Proteases by Activity-Based Profiling Using Cystatin Variants with Tailored Specificities. <i>Journal of Proteome Research</i> , 2012, 11, 5983-5993.	3.7	27
12	Leaf proteome rebalancing in <i>Nicotiana benthamiana</i> for upstream enrichment of a transiently expressed recombinant protein. <i>Plant Biotechnology Journal</i> , 2015, 13, 1169-1179.	8.3	26
13	Beneficial "unintended effects" of a cereal cystatin in transgenic lines of potato, <i>Solanum tuberosum</i> . <i>BMC Plant Biology</i> , 2012, 12, 198.	3.6	24
14	Production of Biopharmaceuticals in <i>Nicotiana benthamiana</i> : Axillary Stem Growth as a Key Determinant of Total Protein Yield. <i>Frontiers in Plant Science</i> , 2019, 10, 735.	3.6	23
15	Positive selection of digestive Cys proteases in herbivorous Coleoptera. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 65, 10-19.	2.7	20
16	A Chimeric Affinity Tag for Efficient Expression and Chromatographic Purification of Heterologous Proteins from Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 141.	3.6	19
17	Recombinant cystatins in plants. <i>Biochimie</i> , 2019, 166, 184-193.	2.6	18
18	Functional proteomics-aided selection of protease inhibitors for herbivore insect control. <i>Scientific Reports</i> , 2016, 6, 38827.	3.3	17

#	ARTICLE	IF	CITATIONS
19	Cereal cystatins delay sprouting and nutrient loss in tubers of potato, <i>Solanum tuberosum</i> . <i>BMC Plant Biology</i> , 2015, 15, 296.	3.6	16
20	Recombinant protein susceptibility to proteolysis in the plant cell secretory pathway is pH-dependent. <i>Plant Biotechnology Journal</i> , 2018, 16, 1928-1938.	8.3	15
21	Hybrid protease inhibitors for pest and pathogen control – a functional cost for the fusion partners?. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 701-708.	5.8	14
22	Single substitutions to closely related amino acids contribute to the functional diversification of an insect-inducible, positively selected plant cystatin. <i>FEBS Journal</i> , 2016, 283, 1323-1335.	4.7	13
23	Companion Protease Inhibitors for the In Situ Protection of Recombinant Proteins in Plants. <i>Methods in Molecular Biology</i> , 2016, 1385, 115-126.	0.9	12
24	Harnessing the functional diversity of plant cystatins to design inhibitor variants highly active against herbivorous arthropod digestive proteases. <i>FEBS Journal</i> , 2022, 289, 1827-1841.	4.7	6
25	Population-associated heterogeneity of the digestive Cys protease complement in Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Journal of Insect Physiology</i> , 2018, 106, 125-133.	2.0	5
26	pH Gradient Mitigation in the Leaf Cell Secretory Pathway Attenuates the Defense Response of <i>Nicotiana benthamiana</i> to Agroinfiltration. <i>Journal of Proteome Research</i> , 2020, 19, 106-118.	3.7	2
27	Cystatin Activity-Based Protease Profiling to Select Protease Inhibitors Useful in Plant Protection. <i>Methods in Molecular Biology</i> , 2020, 2139, 353-366.	0.9	1