Marie-Claire Goulet

List of Publications by Year
in descending order

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	Harnessing the functional diversity of plant cystatins to design inhibitor variants highly active against herbivorous arthropod digestive proteases. FEBS Journal, 2022, 289, 1827-1841.	4.7	6
2	pH Gradient Mitigation in the Leaf Cell Secretory Pathway Attenuates the Defense Response of Nicotiana benthamiana to Agroinfiltration. Journal of Proteome Research, 2020, 19, 106-118.	3.7	2
3	Cystatin Activityâ€“Based Protease Profiling to Select Protease Inhibitors Useful in Plant Protection. Methods in Molecular Biology, 2020, 2139, 353-366.	0.9	1
4	Production of Biopharmaceuticals in Nicotiana benthamianaâ€”Axillary Stem Growth as a Key Determinant of Total Protein Yield. Frontiers in Plant Science, 2019, 10, 735.	3.6	23
5	Recombinant cystatins in plants. Biochimie, 2019, 166, 184-193.	2.6	18
6	Recombinant protein susceptibility to proteolysis in the plant cell secretory pathway is <scp>pH</scp>â€dependent. Plant Biotechnology Journal, 2018, 16, 1928-1938.	8.3	15
7	Population-associated heterogeneity of the digestive Cys protease complement in Colorado potato beetle, Leptinotarsa decemlineata. Journal of Insect Physiology, 2018, 106, 125-133.	2.0	5
8	An Accessory Protease Inhibitor to Increase the Yield and Quality of a Tumour-Targeting mAb in Nicotiana benthamiana Leaves. PLoS ONE, 2016, 11, e0167086.	2.5	30
9	A Chimeric Affinity Tag for Efficient Expression and Chromatographic Purification of Heterologous Proteins from Plants. Frontiers in Plant Science, 2016, 7, 141.	3.6	19
10	Functional proteomics-aided selection of protease inhibitors for herbivore insect control. Scientific Reports, 2016, 6, 38827.	3.3	17
11	Single substitutions to closely related amino acids contribute to the functional diversification of an insectâ€inducible, positively selected plant cystatin. FEBS Journal, 2016, 283, 1323-1335.	4.7	13
12	Companion Protease Inhibitors for the In Situ Protection of Recombinant Proteins in Plants. Methods in Molecular Biology, 2016, 1385, 115-126.	0.9	12
13	Leaf proteome rebalancing in Nicotiana benthamiana for upstream enrichment of a transiently expressed recombinant protein. Plant Biotechnology Journal, 2015, 13, 1169-1179.	8.3	26
14	Cereal cystatins delay sprouting and nutrient loss in tubers of potato, Solanum tuberosum. BMC Plant Biology, 2015, 15, 296.	3.6	16
15	Modulating secretory pathway pH by proton channel coâ€expression can increase recombinant protein stability in plants. Biotechnology Journal, 2015, 10, 1478-1486.	3.5	32
16	Positive selection of digestive Cys proteases in herbivorous Coleoptera. Insect Biochemistry and Molecular Biology, 2015, 65, 10-19.	2.7	20
17	Tomato cystatin <scp>S</scp>l<scp>CYS</scp>8 as a stabilizing fusion partner for human serpin expression in plants. Plant Biotechnology Journal, 2013, 11, 1058-1068.	8.3	32
18	Protection of Recombinant Mammalian Antibodies from Development-Dependent Proteolysis in Leaves of Nicotiana benthamiana. PLoS ONE, 2013, 8, e70203.	2.5	54

#	Article	IF	Citations
19	Multimodal Protein Constructs for Herbivore Insect Control. Toxins, 2012, 4, 455-475.	3.4	27
20	Beneficial â€˜unintended effectsâ€™ of a cereal cystatin in transgenic lines of potato, Solanum tuberosum. BMC Plant Biology, 2012, 12, 198.	3.6	24
21	Discrimination of Differentially Inhibited Cysteine Proteases by Activity-Based Profiling Using Cystatin Variants with Tailored Specificities. Journal of Proteome Research, 2012, 11, 5983-5993.	3.7	27
22	2â€ŒE proteome maps for the leaf apoplast of Nicotiana benthamiana. Proteomics, 2010, 10, 2536-2544.	2.2	53
23	Plant cystatins. Biochimie, 2010, 92, 1657-1666.	2.6	160
24	Recombinant protease inhibitors for herbivore pest control: a multitrophic perspective. Journal of Experimental Botany, 2010, 61, 4169-4183.	4.8	112
25	Hybrid protease inhibitors for pest and pathogen control â€“ a functional cost for the fusion partners?. Plant Physiology and Biochemistry, 2008, 46, 701-708.	5.8	14
26	Tailoring the Specificity of a Plant Cystatin toward Herbivorous Insect Digestive Cysteine Proteases by Single Mutations at Positively Selected Amino Acid Sites. Plant Physiology, 2008, 146, 1010-1019.	4.8	69
27	Modulating the proteinase inhibitory profile of a plant cystatin by single mutations at positively selected amino acid sites. Plant Journal, 2006, 48, 403-413.	5.7	43