Stephen G Cessna

List of Publications by Year
in descending order

18	899	933447 10	888059 17
papers	citations	h-index	g-index

18	18	18	1142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxalic Acid, a Pathogenicity Factor for Sclerotinia sclerotiorum, Suppresses the Oxidative Burst of the Host Plant. Plant Cell, 2000, 12, 2191-2199.	6.6	491
2	An Osmotically Induced Cytosolic Ca2+ Transient Activates Calcineurin Signaling to Mediate Ion Homeostasis and Salt Tolerance of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2002, 277, 33075-33080.	3.4	133
3	Hypo-osmotic Shock of Tobacco Cells Stimulates Ca2+Fluxes Deriving First from External and then Internal Ca2+Stores. Journal of Biological Chemistry, 1998, 273, 27286-27291.	3.4	61
4	Activation of the oxidative burst in aequorin-transformed Nicotiana tabacum cells is mediated by protein kinase- and anion channel-dependent release of Ca2+ from internal stores. Planta, 2001, 214, 126-134.	3.2	44
5	Exploring Photosynthesis and Plant Stress Using Inexpensive Chlorophyll Fluorometers. Journal of Natural Resources and Life Sciences Education, 2010, 39, 22-30.	0.2	31
6	Measuring beyond content: a rubric bank for assessing skills in authentic research assignments in the sciences. Chemistry Education Research and Practice, 2012, 13, 268-276.	2.5	24
7	Oxalic Acid, a Pathogenicity Factor for Sclerotinia sclerotiorum, Suppresses the Oxidative Burst of the Host Plant. Plant Cell, 2000, 12, 2191.	6.6	22
8	An Apoplastic Ca2+ Sensor Regulates Internal Ca2+ Release in Aequorin-transformed Tobacco Cells. Journal of Biological Chemistry, 2001, 276, 10655-10662.	3.4	22
9	Homologous and heterologous desensitization and synergy in pathways leading to the soybean oxidative burst. Planta, 2000, 211, 736-742.	3.2	17
10	Modulation of Bax Inhibitor-1 and cytosolic Ca2+ by cytokinins in Nicotiana tabacum cells. Biochimie, 2007, 89, 961-971.	2.6	15
11	The externally derived portion of the hyperosmotic shock-activated cytosolic calcium pulse mediates adaptation to ionic stress in suspension-cultured tobacco cells. Journal of Plant Physiology, 2007, 164, 815-823.	3.5	10
12	A Multiweek, Problem-Based Laboratory Project Using Phytoremediation To Remove Copper from Soil. General Chemistry Labs for Teaching Thermodynamics and Equilibrium. Journal of Chemical Education, 2009, 86, 726.	2.3	10
13	Cytosolic Ca2+ pulses and protein kinase activation in the signal transduction pathways leading to the plant oxidative burst. Journal of Plant Biology, 2003, 46, 215-222.	2.1	6
14	Headspace GC-MS analysis of differences in intra- and interspecific Terpene profiles of Picea pungens Engelm. and P. abies (L.) Karst. Phytochemistry, 2021, 181, 112541.	2.9	6
15	Border Crossings: A Narrative Framework for Interventions Aimed at Improving URM and First-Generation College Student Retention in STEM. ACS Symposium Series, 2018, , 3-16.	0.5	3
16	Teaching the Nature of Science in a Course in Sustainable Agriculture. Journal of Natural Resources and Life Sciences Education, 2013, 42, 36-42.	1.5	2
17	Surveying Kazakh high school studentsâ€™ attitudes and beliefs about physics and learning with the Colorado learning attitudes about science survey. Physics Education, 2020, 55, 065019.	0.5	2
18	Copperâ€sensing GFP reporter yeast: an analytical method for soil copper determination. FASEB Journal, 2007, 21, A723.	0.5	0