

Geert Potters

List of Publications by Year in descending order

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29
papers

3,128
citations

430874

18
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

3814
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress-induced morphogenic responses: growing out of trouble?. Trends in Plant Science, 2007, 12, 98-105.	8.8	641
2	Different stresses, similar morphogenic responses: integrating a plethora of pathways. Plant, Cell and Environment, 2009, 32, 158-169.	5.7	319
3	The Role of Auxin, pH, and Stress in the Activation of Embryogenic Cell Division in Leaf Protoplast-Derived Cells of Alfalfa. Plant Physiology, 2002, 129, 1807-1819.	4.8	316
4	Ascorbate and glutathione: guardians of the cell cycle, partners in crime?. Plant Physiology and Biochemistry, 2002, 40, 537-548.	5.8	240
5	Plant stress and human health: Do human consumers benefit from UV-B acclimated crops?. Plant Science, 2008, 175, 449-458.	3.6	201
6	Ascorbate function and associated transport systems in plants. Plant Physiology and Biochemistry, 2000, 38, 531-540.	5.8	199
7	The cellular redox state in plant stress biology – A charging concept. Plant Physiology and Biochemistry, 2010, 48, 292-300.	5.8	195
8	Dehydroascorbate Influences the Plant Cell Cycle through a Glutathione-Independent Reduction Mechanism. Plant Physiology, 2004, 134, 1479-1487.	4.8	188
9	Complementary interactions between oxidative stress and auxins control plant growth responses at plant, organ, and cellular level. Journal of Experimental Botany, 2005, 56, 1991-2001.	4.8	187
10	Morphogenic effects of abiotic stress: reorientation of growth in seedlings. Environmental and Experimental Botany, 2005, 53, 299-314.	4.2	153
11	Ascorbate and Dehydroascorbate Influence Cell Cycle Progression in a Tobacco Cell Suspension. Plant Physiology, 2000, 124, 17-20.	4.8	101
12	Effect of copper exposure on gene expression profiles in Chlamydomonas reinhardtii based on microarray analysis. Aquatic Toxicology, 2006, 80, 249-260.	4.0	78
13	Molecular mechanisms of plant adaptive responses to heavy metals stress. Cell Biology International, 2021, 45, 258-272.	3.0	62
14	Priming winter wheat seeds with the bacterial quorum sensing signal N-hexanoyl-L-homoserine lactone (C6-HSL) shows potential to improve plant growth and seed yield. PLoS ONE, 2019, 14, e0209460.	2.5	40
15	Dehydroascorbate Uptake Activity Correlates with Cell Growth and Cell Division of Tobacco Bright Yellow-2 Cell Cultures. Plant Physiology, 2003, 133, 361-367.	4.8	31
16	Simultaneous production of 5-hydroxymethylfurfural and furfural from bamboo (Phyllostachys Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	12.7	25
17	Study on alternative approaches to corrosion protection of ballast tanks using an economic model. Marine Structures, 2013, 32, 1-17.	3.8	23
18	The thiol compounds glutathione and homoglutathione differentially affect cell development in alfalfa (Medicago sativa L.). Plant Physiology and Biochemistry, 2014, 74, 16-23.	5.8	22

#	ARTICLE	IF	CITATIONS
19	Antibiofilm Activity of Polyamide 11 Modified with Thermally Stable Polymeric Biocide Polyhexamethylene Guanidine 2-Naphtalenesulfonate. <i>International Journal of Molecular Sciences</i> , 2019, 20, 348.	4.1	19
20	Dehydroascorbate and glutathione regulate the cellular development of <i>Nicotiana tabacum</i> L. SR-1 protoplasts. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2010, 46, 289-297.	2.1	14
21	eDNA Inactivation and Biofilm Inhibition by the Polymeric Biocide Polyhexamethylene Guanidine Hydrochloride (PHMG-Cl). <i>International Journal of Molecular Sciences</i> , 2022, 23, 731.	4.1	14
22	The influence of concretion on the long-term corrosion rate of steel shipwrecks in the Belgian North Sea. <i>Corrosion Engineering Science and Technology</i> , 2021, 56, 71-80.	1.4	13
23	Seasonal, Diurnal and Vertical Variation of Chlorophyll Fluorescence on <i>Phyllostachys humilis</i> in Ireland. <i>PLoS ONE</i> , 2013, 8, e72145.	2.5	13
24	Seasonal, diurnal and vertical variation in photosynthetic parameters in <i>Phyllostachys humilis</i> bamboo plants. <i>Photosynthesis Research</i> , 2014, 120, 331-346.	2.9	12
25	Reducing the cost of ballast tank corrosion: an economic modeling approach. <i>Marine Structures</i> , 2013, 32, 136-152.	3.8	11
26	A field study of the effectiveness of sacrificial anodes in ballast tanks of merchant ships. <i>Journal of Marine Science and Technology</i> , 2014, 19, 116-123.	2.9	4
27	Assessment of corrosion resistance, material properties, and weldability of alloyed steel for ballast tanks. <i>Journal of Marine Science and Technology</i> , 2017, 22, 176-199.	2.9	2
28	Influence of Adding Low Concentration of Oxygenates in Mineral Diesel Oil and Biodiesel on the Concentration of NO, NO ₂ and Particulate Matter in the Exhaust Gas of a One-Cylinder Diesel Generator. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7637.	2.6	2
29	Finding the Optimal Fatty Acid Composition for Biodiesel Improving the Emissions of a One-Cylinder Diesel Generator. <i>Sustainability</i> , 2021, 13, 12089.	3.2	1