Mirta Tkalec

List of Publications by Year
in descending order

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28	1,025	566801	525886
papers	citations	15 h-index	27 g-index

28	28	28	1325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toxicity of silver ions and differently coated silver nanoparticles in Allium cepa roots. Ecotoxicology and Environmental Safety, 2017, 137, 18-28.	2.9	206
2	The Effects of Cadmium-Zinc Interactions on Biochemical Responses in Tobacco Seedlings and Adult Plants. PLoS ONE, 2014, 9, e87582.	1.1	115
3	Effects of radiofrequency electromagnetic fields on seed germination and root meristematic cells of Allium cepa L.. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 672, 76-81.	0.9	102
4	Phytotoxic effects of silver nanoparticles in tobacco plants. Environmental Science and Pollution Research, 2018, 25, 5590-5602.	2.7	98
5	Exposure to radiofrequency radiation induces oxidative stress in duckweed Lemna minor L.. Science of the Total Environment, 2007, 388, 78-89.	3.9	75
6	Cadmium-induced responses in duckweed Lemna minor L.. Acta Physiologiae Plantarum, 2008, 30, 881-890.	1.0	62
7	Influence of 400, 900, and 1900 MHz electromagnetic fields onLemna minor growth and peroxidase activity. Bioelectromagnetics, 2005, 26, 185-193.	0.9	61
8	Physiological, ultrastructural and proteomic responses of tobacco seedlings exposed to silver nanoparticles and silver nitrate. Chemosphere, 2018, 209, 640-653.	4.2	47
9	Oxidative and genotoxic effects of 900MHz electromagnetic fields in the earthworm Eisenia fetida. Ecotoxicology and Environmental Safety, 2013, 90, 7-12.	2.9	38
10	Growth Conditions in InÂVitro Culture Can Induce Oxidative Stress in Mammillaria gracilis Tissues. Journal of Plant Growth Regulation, 2009, 28, 36-45.	2.8	35
11	Comparative proteomic study of phytotoxic effects of silver nanoparticles and silver ions on tobacco plants. Environmental Science and Pollution Research, 2019, 26, 22529-22550.	2.7	24
12	Surface Coating-Modulated Phytotoxic Responses of Silver Nanoparticles in Plants and Freshwater Green Algae. Nanomaterials, 2022, 12, 24.	1.9	22
13	Phytotoxicity of Silver Nanoparticles on Tobacco Plants: Evaluation of Coating Effects on Photosynthetic Performance and Chloroplast Ultrastructure. Nanomaterials, 2021, 11, 744.	1.9	19
14	Effects of short-term exposure to mobile phone radiofrequency (900ÂMHz) on the oxidative response and genotoxicity in honey bee larvae. Journal of Apicultural Research, 2017, 56, 430-438.	0.7	16
15	Coating-Dependent Effects of Silver Nanoparticles on Tobacco Seed Germination and Early Growth. International Journal of Molecular Sciences, 2020, 21, 3441.	1.8	15
16	Integrative approach gives new insights into combined Cd/Cu exposure in tobacco. Acta Physiologiae Plantarum, 2016, 38, 1.	1.0	13
17	Cryphonectria hypovirus 1-Induced Changes of Stress Enzyme Activity in Transfected Phytopathogenic Fungus Cryphonectria parasitica. Microbial Ecology, 2017, 74, 302-311.	1.4	11
18	Changes in Cryphonectria parasitica Populations Affect Natural Biological Control of Chestnut Blight. Phytopathology, 2018, 108, 870-877.	1.1	11

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19	In vitro conditions affect photosynthetic performance and crassulacean acid metabolism in Mammillaria gracilis Pfeiff. tissues. Acta Physiologiae Plantarum, 2012, 34, 1883-1893.	1.0	8
20	Effects of iso-osmotic NaCl and mannitol on growth, proline content, and antioxidant defense in Mammillaria gracilis Pfeiff. in vitro-grown cultures. In Vitro Cellular and Developmental Biology - Plant, 2013, 49, 421-432.	0.9	7
21	Effect of NaCl stress on dihaploid tobacco lines tolerant to Potato virus Y. Acta Physiologiae Plantarum, 2014, 36, 1739-1747.	1.0	7
22	The acclimation of carnivorous round-leaved sundew (Drosera rotundifolia L.) to solar radiation. Acta Physiologiae Plantarum, 2015, 37, 1.	1.0	6
23	Expression of dehydrins, HSP70, Cu/Zn SOD, and RuBisCO in leaves of tobacco (Nicotiana tabacum L.) dihaploids under salt stress. In Vitro Cellular and Developmental Biology - Plant, 2016, 52, 233-240.	0.9	6
24	Proteomic analysis of Mammillaria gracilis Pfeiff. in vitro-grown cultures exposed to iso-osmotic NaCl and mannitol. Plant Cell, Tissue and Organ Culture, 2015, 122, 127-146.	1.2	5
25	Coexisting lacertid lizard species Podarcis siculus and Podarcis melisellensis differ in dopamine brain concentrations. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 451-456.	0.7	5
26	Influence of digested wastewater sludge on early growth of the perennial ryegrass (Lolium perenne) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	4
27	Laccase Activity in Fungus Cryphonectria parasitica Is Affected by Growth Conditions and Fungalâ€“Viral Genotypic Interactions. Journal of Fungi (Basel, Switzerland), 2021, 7, 958.	1.5	4
28	Evaluation of Genotoxic Potential of Microwave Electromagnetic Field in Onion (Allium Cepa). , 2007, , .		3