Mirta Tkalec

List of Publications by Citations

26 papers	746 citations	11 h-index	27 g-index
28 ext. papers	861 ext. citations	4.1 avg, IF	3.8 L-index

#	Paper	IF	Citations
26	Toxicity of silver ions and differently coated silver nanoparticles in Allium cepa roots. *Ecotoxicology and Environmental Safety*, **2017**, 137, 18-28	7	141
25	The effects of cadmium-zinc interactions on biochemical responses in tobacco seedlings and adult plants. *PLoS ONE*, **2014**, 9, e87582	3.7	92
24	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	3	78
23	Phytotoxic effects of silver nanoparticles in tobacco plants. *Environmental Science and Pollution Research*, **2018**, 25, 5590-5602	5.1	70
22	Exposure to radiofrequency radiation induces oxidative stress in duckweed Lemna minor L. *Science of the Total Environment*, **2007**, 388, 78-89	10.2	63
21	Cadmium-induced responses in duckweed Lemna minor L.. *Acta Physiologiae Plantarum*, **2008**, 30, 881-889	2.6	57
20	Influence of 400, 900, and 1900 MHz electromagnetic fields on Lemna minor growth and peroxidase activity. *Bioelectromagnetics*, **2005**, 26, 185-93	1.6	53
19	Oxidative and genotoxic effects of 900 MHz electromagnetic fields in the earthworm Eisenia fetida. *Ecotoxicology and Environmental Safety*, **2013**, 90, 7-12	7	33
18	Physiological, ultrastructural and proteomic responses of tobacco seedlings exposed to silver nanoparticles and silver nitrate. *Chemosphere*, **2018**, 209, 640-653	8.4	31
17	Growth Conditions in In Vitro Culture Can Induce Oxidative Stress in Mammillaria gracilis Tissues. *Journal of Plant Growth Regulation*, **2009**, 28, 36-45	4.7	30
16	Comparative proteomic study of phytotoxic effects of silver nanoparticles and silver ions on tobacco plants. *Environmental Science and Pollution Research*, **2019**, 26, 22529-22550	5.1	15
15	Effects of short-term exposure to mobile phone radiofrequency (900 MHz) on the oxidative response and genotoxicity in honey bee larvae. *Journal of Apicultural Research*, **2017**, 56, 430-438	2	10
14	Integrative approach gives new insights into combined Cd/Cu exposure in tobacco. *Acta Physiologiae Plantarum*, **2016**, 38, 1	2.6	9
13	Changes in Cryphonectria parasitica Populations Affect Natural Biological Control of Chestnut Blight. *Phytopathology*, **2018**, 108, 870-877	3.8	8
12	Coating-Dependent Effects of Silver Nanoparticles on Tobacco Seed Germination and Early Growth. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
11	Phytotoxicity of Silver Nanoparticles on Tobacco Plants: Evaluation of Coating Effects on Photosynthetic Performance and Chloroplast Ultrastructure. *Nanomaterials*, **2021**, 11,	5.4	6
10	Cryphonectria hypovirus 1-Induced Changes of Stress Enzyme Activity in Transfected Phytopathogenic Fungus Cryphonectria parasitica. *Microbial Ecology*, **2017**, 74, 302-311	4.4	5

List of Publications

9	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	2.7	5
8	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	2.3	5
7	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	2.3	5
6	In vitro conditions affect photosynthetic performance and crassulacean acid metabolism in Mammillaria gracilis Pfeiff. tissues. *Acta Physiologiae Plantarum*, **2012**, 34, 1883-1893	2.6	5
5	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	2.3	4
4	The acclimation of carnivorous round-leaved sundew (Drosera rotundifolia L.) to solar radiation. *Acta Physiologiae Plantarum*, **2015**, 37, 1	2.6	4
3	Influence of digested wastewater sludge on early growth of the perennial ryegrass (Lolium perenne L.). *Environmental Earth Sciences*, **2016**, 75, 1	2.9	4
2	Effect of NaCl stress on dihaploid tobacco lines tolerant to Potato virus Y. *Acta Physiologiae Plantarum*, **2014**, 36, 1739-1747	2.6	4
1	Evaluation of Genotoxic Potential of Microwave Electromagnetic Field in Onion (Allium Cepa) **2007**,		2