

Ahsan Ayyaz

List of Publications by Year in descending order

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14
papers

278
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1040056

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#	ARTICLE	IF	CITATIONS
1	Melatonin induced changes in photosynthetic efficiency as probed by OJIP associated with improved chromium stress tolerance in canola (<i>Brassica napus</i> L.). <i>Heliyon</i> , 2020, 6, e04364.	3.2	55
2	Mitigation effects of exogenous melatonin-selenium nanoparticles on arsenic-induced stress in <i>Brassica napus</i> . <i>Environmental Pollution</i> , 2022, 292, 118473.	7.5	48
3	Exogenous melatonin regulates chromium stress-induced feedback inhibition of photosynthesis and antioxidative protection in <i>Brassica napus</i> cultivars. <i>Plant Cell Reports</i> , 2021, 40, 2063-2080.	5.6	31
4	Comprehensive proteomic analysis of arsenic induced toxicity reveals the mechanism of multilevel coordination of efficient defense and energy metabolism in two <i>Brassica napus</i> cultivars. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111744.	6.0	27
5	Drought tolerance in <i>Brassica napus</i> is accompanied with enhanced antioxidative protection, photosynthetic and hormonal regulation at seedling stage. <i>Physiologia Plantarum</i> , 2021, 172, 1133-1148.	5.2	25
6	Organic and inorganic amendments for the remediation of nickel contaminated soil and its improvement on <i>Brassica napus</i> growth and oxidative defense. <i>Journal of Hazardous Materials</i> , 2021, 416, 125921.	12.4	22
7	Interactive effects of biochar and mussel shell activated concoctions on immobilization of nickel and their amelioration on the growth of rapeseed in contaminated aged soil. <i>Chemosphere</i> , 2021, 282, 130897.	8.2	20
8	The potential of nanomaterials for sustainable modern agriculture: present findings and future perspectives. <i>Environmental Science: Nano</i> , 2022, 9, 1926-1951.	4.3	13
9	Endogenous nitric oxide contributes to chloride and sulphate salinity tolerance by modulation of ion transporter expression and reestablishment of redox balance in <i>Brassica napus</i> cultivars. <i>Environmental and Experimental Botany</i> , 2022, 194, 104734.	4.2	12
10	Seed priming with proline improved photosystem II efficiency and growth of wheat (<i>Triticum aestivum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	10
11	Coordinated impact of ion exclusion, antioxidants and photosynthetic potential on salt tolerance of ridge gourd [<i>Luffa acutangula</i> (L.) Roxb.]. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 517-528.	5.8	8
12	Effects of exogenously applied melatonin on growth, photosynthesis, ion accumulation and antioxidant capacity of canola (<i>Brassica napus</i> L.) under chromium stress. <i>Pakistan Journal of Botany</i> , 2021, 53, .	0.5	2
13	Structural and functional stability of photosystem-II in <i>Moringa oleifera</i> under salt stress. <i>Australian Journal of Crop Science</i> , 2021, , 676-682.	0.3	2
14	Differential responses of exogenous melatonin on growth, photosynthesis and antioxidant defence system in two <i>Brassica napus</i> L.cultivars under chromium stress. <i>International Journal of Environment Agriculture and Biotechnology</i> , 2020, 5, 397-411.	0.1	2