Mohammad Yusuf

List of Publications by Citations

50 papers	2,375 citations	27 h-index	48 g-index
50 ext. papers	2,843 ext. citations	3.9 avg, IF	5.31 L-index

#	Paper	IF	Citations
50	Role of sugars under abiotic stress. *Plant Physiology and Biochemistry*, **2016**, 109, 54-61	5.4	236
49	Nickel: an overview of uptake, essentiality and toxicity in plants. *Bulletin of Environmental Contamination and Toxicology*, **2011**, 86, 1-17	2.7	232
48	Brassinosteroids and their role in response of plants to abiotic stresses. *Biologia Plantarum*, **2014**, 58, 9-17	2.1	160
47	Effect of 28-homobrassinolide on photosynthesis, fluorescence and antioxidant system in the presence or absence of salinity and temperature in Vigna radiata. *Environmental and Experimental Botany*, **2010**, 69, 105-112	5.9	155
46	Zinc oxide nanoparticle-mediated changes in photosynthetic efficiency and antioxidant system of tomato plants. *Photosynthetica*, **2018**, 56, 678-686	2.2	133
45	24-Epibrassinolide regulates photosynthesis, antioxidant enzyme activities and proline content of Cucumis sativus under salt and/or copper stress. *Environmental Monitoring and Assessment*, **2013**, 185, 7845-56	3.1	106
44	Effect of 28-homobrassinolide on antioxidant capacity and photosynthesis in Brassica juncea plants exposed to different levels of copper. *Environmental and Experimental Botany*, **2009**, 66, 418-424	5.9	105
43	Nitric oxide-mediated integrative alterations in plant metabolism to confer abiotic stress tolerance, NO crosstalk with phytohormones and NO-mediated post translational modifications in modulating diverse plant stress. *Nitric Oxide - Biology and Chemistry*, **2018**, 73, 22-38	5	90
42	Biogenic synthesis of Zinc oxide nanostructures from Nigella sativa seed: Prospective role as food packaging material inhibiting broad-spectrum quorum sensing and biofilm. *Scientific Reports*, **2016**, 6, 36761	4.9	90
41	28-homobrassinolide improves growth and photosynthesis in Cucumis sativus L. through an enhanced antioxidant system in the presence of chilling stress. *Photosynthetica*, **2011**, 49, 55-64	2.2	88
40	Effect of salicylic acid on salinity-induced changes in Brassica juncea. *Journal of Integrative Plant Biology*, **2008**, 50, 1096-102	8.3	83
39	Protective response of 28-homobrassinolide in cultivars of Triticum aestivum with different levels of nickel. *Archives of Environmental Contamination and Toxicology*, **2011**, 60, 68-76	3.2	81
38	Polyamines: potent modulators of plant responses to stress. *Journal of Plant Interactions*, **2013**, 8, 1-16	3.8	70
37	Salicylic acid minimizes nickel and/or salinity-induced toxicity in Indian mustard (Brassica juncea) through an improved antioxidant system. *Environmental Science and Pollution Research*, **2012**, 19, 8-18	5.1	68
36	28-Homobrassinolide mitigates boron induced toxicity through enhanced antioxidant system in Vigna radiata plants. *Chemosphere*, **2011**, 85, 1574-84	8.4	49
35	Proteomic and physiological assessment of stress sensitive and tolerant variety of tomato treated with brassinosteroids and hydrogen peroxide under low-temperature stress. *Food Chemistry*, **2019**, 289, 500-511	8.5	44
34	Low level of selenium increases the efficacy of 24-epibrassinolide through altered physiological and biochemical traits of Brassica juncea plants. *Food Chemistry*, **2015**, 185, 441-8	8.5	40

33	Lycopersicon esculentum under low temperature stress: an approach toward enhanced antioxidants and yield. *Environmental Science and Pollution Research*, **2015**, 22, 14178-88	5.1	39
32	Salicylic acid enhances antioxidant system in Brassica juncea grown under different levels of manganese. *International Journal of Biological Macromolecules*, **2014**, 70, 551-8	7.9	39
31	24-epibrassinolide and/or putrescine trigger physiological and biochemical responses for the salt stress mitigation in Cucumis sativus L.. *Photosynthetica*, **2014**, 52, 464-474	2.2	39
30	Growth of Indian mustard (Brassica juncea L.) in response to salicylic acid under high-temperature stress. *Brazilian Journal of Plant Physiology*, **2009**, 21, 187-195		37
29	Brassinosteroid-mediated evaluation of antioxidant system and nitrogen metabolism in two contrasting cultivars of Vigna radiata under different levels of nickel. *Physiology and Molecular Biology of Plants*, **2014**, 20, 449-60	2.8	34
28	24-epibrassinolide mitigates the adverse effects of manganese induced toxicity through improved antioxidant system and photosynthetic attributes in Brassica juncea. *Environmental Science and Pollution Research*, **2015**, 22, 11349-59	5.1	32
27	Low-temperature stress: is phytohormones application a remedy?. *Environmental Science and Pollution Research*, **2017**, 24, 21574-21590	5.1	31
26	Interaction of epibrassinolide and selenium ameliorates the excess copper in Brassica juncea through altered proline metabolism and antioxidants. *Ecotoxicology and Environmental Safety*, **2016** , 129, 25-34	7	30
25	Hydrogen peroxide in regulation of plant metabolism: Signalling and its effect under abiotic stress. *Photosynthetica*, **2018**, 56, 1237-1248	2.2	28
24	Epibrassinolide reverses the stress generated by combination of excess aluminum and salt in two wheat cultivars through altered proline metabolism and antioxidants. *South African Journal of Botany*, **2017**, 112, 391-398	2.9	27
23	24-Epibrassinolide supplemented with silicon enhances the photosynthetic efficiency of Brassica juncea under salt stress. *South African Journal of Botany*, **2018**, 118, 120-128	2.9	25
22	Hydrogen peroxide mediated tolerance to copper stress in the presence of 28-homobrassinolide in Vigna radiata. *Acta Physiologiae Plantarum*, **2014**, 36, 2767-2778	2.6	23
21	Comparative roles of brassinosteroids and polyamines in salt stress tolerance. *Acta Physiologiae Plantarum*, **2013**, 35, 2037-2053	2.6	23
20	Silicon-mediated role of 24-epibrassinolide in wheat under high-temperature stress. *Environmental Science and Pollution Research*, **2019**, 26, 17163-17172	5.1	22
19	Hydrogen sulfide: A versatile gaseous molecule in plants. *Plant Physiology and Biochemistry*, **2021**, 158, 372-384	5.4	17
18	Ameliorative role of salicylic acid and spermidine in the presence of excess salt in Lycopersicon esculentum. *Photosynthetica*, **2018**, 56, 750-762	2.2	16
17	Salicylic Acid: Physiological Roles in Plants **2013**, 15-30		14
16	Role of Strigolactones: Signalling and Crosstalk with Other Phytohormones. *Open Life Sciences*, **2020**, 15, 217-228	1.2	12

15	Interaction of Auxin and Nitric Oxide Improved Photosynthetic Efficiency and Antioxidant System of Brassica juncea Plants Under Salt Stress. *Journal of Plant Growth Regulation*, **2020**, 1	4.7	8
14	Seed treatment with H2O2 modifies net photosynthetic rate and antioxidant system in mung bean (Vigna radiata L. Wilczek) plants. *Israel Journal of Plant Sciences*, **2015**, 62, 167-175	0.6	7
13	Glucose modulates copper induced changes in photosynthesis, ion uptake, antioxidants and proline in Cucumis sativus plants. *Carbohydrate Research*, **2021**, 501, 108271	2.9	7
12	Phytotoxic effect of Alhagi maurorum on the growth and physiological activities of Pisum sativum L.. *South African Journal of Botany*, **2020**, 131, 250-258	2.9	6
11	Brassinosteroids: Physiological Roles and its Signalling in Plants **2017**, 241-260		5
10	Silicon elicited varied physiological and biochemical responses in Indian mustard (Brassica juncea): a concentration dependent study. *Israel Journal of Plant Sciences*, **2016**, 63, 158-166	0.6	5
9	Wuxal amino (Bio stimulant) improved growth and physiological performance of tomato plants under salinity stress through adaptive mechanisms and antioxidant potential. *Saudi Journal of Biological Sciences*, **2021**, 28, 3204-3213	4	4
8	Responses of photosynthesis, stress markers and antioxidants under aluminium, salt and combined stresses in wheat cultivars. *Cogent Food and Agriculture*, **2016**, 2,	1.8	4
7	Low-Temperature Triggered Varied Antioxidant Responses in Tomato. *International Journal of Vegetable Science*, **2015**, 21, 329-343	1.2	3
6	Alpha-tocopherol reinforce selenium efficiency to ameliorates salt stress in maize plants through carbon metabolism, enhanced photosynthetic pigments and ion uptake. *South African Journal of Botany*, **2022**, 144, 1-9	2.9	3
5	Interplay Between Antioxidant Enzymes and Brassinosteroids in Control of Plant Development and Stress Tolerance **2019**, 323-348		2
4	Salicylic acid in combination with kinetin or calcium ameliorates heavy metal stress in Phaseolus vulgaris plant. *Journal of Agriculture and Food Research*, **2021**, 5, 100182	2.6	2
3	Role of Brassinosteroids and Its Cross Talk with Other Phytohormone in Plant Responses to Heavy Metal Stress **2022**, 179-201		1
2	24-epibrassinolide in association with iron enhances the photosynthetic efficiency and upregulates the antioxidant system of the Brassica juncea. *Acta Physiologiae Plantarum*, **2021**, 43, 1	2.6	
1	Signal Transduction of Brassinosteroids Under Abiotic Stresses **2022**, 1-16		