

Alok Krishna Sinha

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dynamic Phosphorylation of miRNA Biogenesis Factor HYL1 by MPK3 Involving Nuclear-Cytoplasmic Shuttling and Protein Stability in Arabidopsis. International Journal of Molecular Sciences, 2022, 23, 3787.	1.8	9
2	Ambiguities of PGPR-Induced Plant Signaling and Stress Management. Frontiers in Microbiology, 2022, 13, .	1.5	13
3	Possible role of WRKY transcription factors in regulating immunity in Oryza sativa ssp. indica. Physiological and Molecular Plant Pathology, 2021, 114, 101623.	1.3	5
4	A dual-specificity phosphatase, MAP kinase phosphatase 1, positively regulates blue light-mediated seedling development in Arabidopsis. Planta, 2021, 253, 131.	1.6	2
5	HY5 and ABI5 transcription factors physically interact to fine tune light and ABA signaling in Arabidopsis. Plant Molecular Biology, 2021, 107, 117-127.	2.0	17
6	A bHLH transcription factor, MYC2, imparts salt intolerance by regulating proline biosynthesis in Arabidopsis. FEBS Journal, 2020, 287, 2560-2576.	2.2	102
7	MKK3-MPK6-MYC2 module positively regulates ABA biosynthesis and signalling in Arabidopsis. Journal of Plant Biochemistry and Biotechnology, 2020, 29, 785-795.	0.9	12
8	Plant cell cycle regulators: Mitogen-activated protein kinase, a new regulating switch?. Plant Science, 2020, 301, 110660.	1.7	22
9	Modern tools in improving rice production. , 2020, , 67-75.		0
10	Development of efficient protocol for rice transformation overexpressing MAP kinase and their effect on root phenotypic traits. Protoplasma, 2019, 256, 997-1011.	1.0	8
11	Possible role of plant MAP kinases in the biogenesis and transcription regulation of rice microRNA pathway factors. Plant Physiology and Biochemistry, 2018, 129, 238-243.	2.8	2
12	Interplay Between Auxin and Cytokinin and Its Impact on Mitogen Activated Protein Kinase (MAPK). Methods in Molecular Biology, 2017, 1569, 93-100.	0.4	11
13	Mass production of Ajmalicine by bioreactor cultivation of hairy roots of Catharanthus roseus. Biochemical Engineering Journal, 2017, 119, 84-91.	1.8	45
14	Functional Involvement of a Mitogen Activated Protein Kinase Module, OsMKK3-OsMPK7-OsWRK30 in Mediating Resistance against Xanthomonas oryzae in Rice. Scientific Reports, 2016, 6, 37974.	1.6	70
15	A Positive Feedback Loop Governed by SUB1A1 Interaction with MITOGEN-ACTIVATED PROTEIN KINASE3 Imparts Submergence Tolerance in Rice. Plant Cell, 2016, 28, 1127-1143.	3.1	96
16	Differential expression of Mitogen Activated Protein Kinase (MAPK) cascade components post submergence in <i>Oryza sativa</i> ssp indica cv Pusa Basmati 1. Plant Signaling and Behavior, 2016, 11, e1213936.	1.2	0
17	UV-B activates a γ -group A ϵ mitogen activated protein kinase in Oryza sativa. Journal of Plant Biochemistry and Biotechnology, 2016, 25, 392-399.	0.9	2
18	Model based fed batch cultivation and elicitation for the overproduction of ajmalicine from hairy roots of Catharanthus roseus. Biochemical Engineering Journal, 2015, 97, 73-80.	1.8	29

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19	miRNA plays a role in the antagonistic effect of selenium on arsenic stress in rice seedlings. <i>Metallomics</i> , 2015, 7, 857-866.	1.0	40
20	Role of Mitogen-Activated Protein Kinase Cascade in Combating Abiotic Stress in Plants. , 2015, , 207-229.		1
21	Unraveling the Intricate Nexus of Molecular Mechanisms Governing Rice Root Development: OsMPK3/6 and Auxin-Cytokinin Interplay. <i>PLoS ONE</i> , 2015, 10, e0123620.	1.1	33
22	Regulation of MAP kinase signaling cascade by microRNAs in <i>Oryza sativa</i> . <i>Plant Signaling and Behavior</i> , 2014, 9, e972130.	1.2	41
23	Genome-wide transcriptome modulation in rice transgenic lines expressing engineered mitogen activated protein kinase kinase 6. <i>Plant Signaling and Behavior</i> , 2014, 9, e28502.	1.2	7
24	A Mitogen-Activated Protein Kinase Cascade Module, MKK3-MPK6 and MYC2, Is Involved in Blue Light-Mediated Seedling Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 3343-3357.	3.1	120
25	Involvement of mitogen activated protein kinase kinase 6 in UV induced transcripts accumulation of genes in phytoalexin biosynthesis in rice. <i>Rice</i> , 2013, 6, 35.	1.7	15
26	Signal convergence through the lenses of MAP kinases: paradigms of stress and hormone signaling in plants. <i>Frontiers in Biology</i> , 2013, 8, 109-118.	0.7	13
27	Arsenic Toxicity in Crop Plants: Approaches for Stress Resistance. , 2013, , 347-360.		1
28	Expressed sequence tags and molecular cloning and characterization of gene encoding pinorexinol/lariciresinol reductase from <i>Podophyllum hexandrum</i> . <i>Protoplasma</i> , 2013, 250, 1239-1249.	1.0	30
29	<i>Catharanthus roseus</i> mitogen-activated protein kinase 3 confers UV and heat tolerance to <i>Saccharomyces cerevisiae</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e22716.	1.2	14
30	Overexpression of constitutively active mitogen activated protein kinase kinase 6 enhances tolerance to salt stress in rice. <i>Rice</i> , 2013, 6, 25.	1.7	51
31	Rice Mitogen Activated Protein Kinase Kinase and Mitogen Activated Protein Kinase Interaction Network Revealed by In-Silico Docking and Yeast Two-Hybrid Approaches. <i>PLoS ONE</i> , 2013, 8, e65011.	1.1	51
32	CrMPK3, a mitogen activated protein kinase from <i>Catharanthus roseus</i> and its possible role in stress induced biosynthesis of monoterpenoid indole alkaloids. <i>BMC Plant Biology</i> , 2012, 12, 134.	1.6	80
33	Arsenic stress activates MAP kinase in rice roots and leaves. <i>Archives of Biochemistry and Biophysics</i> , 2011, 506, 73-82.	1.4	137
34	Overexpression of an apoplastic peroxidase gene CrPrx in transgenic hairy root lines of <i>Catharanthus roseus</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1005-1016.	1.7	56
35	Rice WNK1 is regulated by abiotic stress and involved in internal circadian rhythm. <i>Plant Signaling and Behavior</i> , 2011, 6, 316-320.	1.2	44
36	Mitogen-activated protein kinase signaling in plants under abiotic stress. <i>Plant Signaling and Behavior</i> , 2011, 6, 196-203.	1.2	426

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37	Effect of loss of T-DNA genes on MIA biosynthetic pathway gene regulation and alkaloid accumulation in <i>Catharanthus roseus</i> hairy roots. <i>Plant Cell Reports</i> , 2010, 29, 1119-1129.	2.8	41
38	In Silico Analysis Reveals 75 Members of Mitogen-Activated Protein Kinase Kinase Kinase Gene Family in Rice. <i>DNA Research</i> , 2010, 17, 139-153.	1.5	198
39	Rhythmic Expression of Mitogen Activated Protein Kinase Activity in Rice. <i>Molecules and Cells</i> , 2009, 28, 417-422.	1.0	7
40	Differential response of arsenic stress in two varieties of <i>Brassica juncea</i> L.. <i>Chemosphere</i> , 2009, 74, 1201-1208.	4.2	133
41	Differential regulation of rice mitogen activated protein kinase kinase (MKK) by abiotic stress. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 891-897.	2.8	89