Sneh Lata Singla-Pareek

List of Publications by Year
in descending order

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152 papers	7,442 citations	53794 45 h-index	64796 79 g-index
161 all docs	161 docs citations	161 times ranked	6233 citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel production from camelina oil: Present status and future perspectives. Food and Energy Security, 2023, 12, e340.	4.3	9
2	Microbial methylglyoxal metabolism contributes towards growth promotion and stress tolerance in plants. Environmental Microbiology, 2022, 24, 2817-2836.	3.8	4
3	Rewilding staple crops for the lost halophytism: Toward sustainability and profitability of agricultural production systems. Molecular Plant, 2022, 15, 45-64.	8.3	23
4	Unraveling the contribution of <scp><i>OsSOS2</i></scp> in conferring salinity and drought tolerance in a highâ€yielding rice. Physiologia Plantarum, 2022, 174, e13638.	5.2	23
5	High lysine and high proteinâ€containing salinityâ€tolerant rice grains (<i>Oryza sativa cv</i> IR64). Food and Energy Security, 2022, 11, .	4.3	2
6	Genetic diversity reveals synergistic interaction between yield components could improve the sink size and yield in rice. Food and Energy Security, 2022, 11, .	4.3	6
7	<i><scp>OsCyp2â€P</scp></i>, an auxinâ€responsive cyclophilin, regulates Ca²⁺ calmodulin interaction for an ionâ€mediated stress response in rice. Physiologia Plantarum, 2022, 174, e13631.	5.2	6
8	Genetic Conservation of CBS Domain Containing Protein Family in Oryza Species and Their Association with Abiotic Stress Responses. International Journal of Molecular Sciences, 2022, 23, 1687.	4.1	12
9	Shaping the root system architecture in plants for adaptation to drought stress. Physiologia Plantarum, 2022, 174, e13651.	5.2	39
10	Seedlingâ€stage salinity tolerance in rice: Decoding the role of transcription factors. Physiologia Plantarum, 2022, 174, e13685.	5.2	6
11	Physiological and molecular signatures reveal differential response of rice genotypes to drought and drought combination with heat and salinity stress. Physiology and Molecular Biology of Plants, 2022, 28, 899-910.	3.1	12
12	Glyoxalase <scp>III</scp> enhances salinity tolerance through reactive oxygen species scavenging and reduced glycation. Physiologia Plantarum, 2022, 174, e13693.	5.2	6
13	<scp>DTH8</scp> overexpression induces early flowering, boosts yield, and improves stress recovery in rice cv <scp>IR64</scp>. Physiologia Plantarum, 2022, 174, e13691.	5.2	4
14	How doÂrice seedlings of landrace Pokkali survive in saline fields after transplantation? Physiology, biochemistry, and photosynthesis. Photosynthesis Research, 2021, 150, 117-135.	2.9	32
15	The chloride channels: Silently serving the plants. Physiologia Plantarum, 2021, 171, 688-702.	5.2	23
16	Stacking for future: Pyramiding genes to improve drought and salinity tolerance in rice. Physiologia Plantarum, 2021, 172, 1352-1362.	5.2	27
17	Membrane dynamics during individual and combined abiotic stresses in plants and tools to study the same. Physiologia Plantarum, 2021, 171, 653-676.	5.2	68
18	Dynamic role of aquaporin transport system under drought stress in plants. Environmental and Experimental Botany, 2021, 184, 104367.	4.2	24

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19	The Journey from Two-Step to Multi-Step Phosphorelay Signaling Systems. Current Genomics, 2021, 22, 59-74.	1.6	13
20	Tracing the Evolution of Plant Glyoxalase III Enzymes for Structural and Functional Divergence. Antioxidants, 2021, 10, 648.	5.1	10
21	What signals the glyoxalase pathway in plants?. Physiology and Molecular Biology of Plants, 2021, 27, 2407-2420.	3.1	11
22	Silicon-mediated abiotic and biotic stress mitigation in plants: Underlying mechanisms and potential for stress resilient agriculture. Plant Physiology and Biochemistry, 2021, 163, 15-25.	5.8	51
23	Gaining Acceptance of Novel Plant Breeding Technologies. Trends in Plant Science, 2021, 26, 575-587.	8.8	34
24	Two-component signaling system in plants: interaction network and specificity in response to stress and hormones. Plant Cell Reports, 2021, 40, 2037-2046.	5.6	6
25	Elucidating the Response of Crop Plants towards Individual, Combined and Sequentially Occurring Abiotic Stresses. International Journal of Molecular Sciences, 2021, 22, 6119.	4.1	37
26	Silicon nutrition stimulates Salt-Overly Sensitive (SOS) pathway to enhance salinity stress tolerance and yield in rice. Plant Physiology and Biochemistry, 2021, 166, 593-604.	5.8	24
27	Drought and High Temperature Stress in Sorghum: Physiological, Genetic, and Molecular Insights and Breeding Approaches. International Journal of Molecular Sciences, 2021, 22, 9826.	4.1	39
28	Survival Strategies in Halophytes: Adaptation and Regulation. , 2021, , 1591-1612.		0
29	<i>DPS1</i> regulates cuticle development and leaf senescence in rice. Food and Energy Security, 2021, 10, e273.	4.3	20
30	Raising Climate-Resilient Crops: Journey From the Conventional Breeding to New Breeding Approaches. Current Genomics, 2021, 22, 450-467.	1.6	7
31	Serotonin and Melatonin Biosynthesis in Plants: Genome-Wide Identification of the Genes and Their Expression Reveal a Conserved Role in Stress and Development. International Journal of Molecular Sciences, 2021, 22, 11034.	4.1	26
32	Genetic Improvement of Rice for Food and Nutritional Security. , 2021, , 13-32.		1
33	Methylglyoxal-glyoxalase system as a possible selection module for raising marker-safe plants in rice. Physiology and Molecular Biology of Plants, 2021, 27, 2579-2588.	3.1	3
34	The Saltol QTL-localized transcription factor OsGATA8 plays an important role in stress tolerance and seed development in Arabidopsis and rice. Journal of Experimental Botany, 2020, 71, 684-698.	4.8	37
35	The quest for osmosensors in plants. Journal of Experimental Botany, 2020, 71, 595-607.	4.8	37
36	Enhancing trehalose biosynthesis improves yield potential in marker-free transgenic rice under drought, saline, and sodic conditions. Journal of Experimental Botany, 2020, 71, 653-668.	4.8	82

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37	Integrating the dynamics of yield traits in rice in response to environmental changes. Journal of Experimental Botany, 2020, 71, 490-506.	4.8	39
38	Engineering abiotic stress tolerance via CRISPR/ Cas-mediated genome editing. Journal of Experimental Botany, 2020, 71, 470-479.	4.8	184
39	Deciphering the Role of Trehalose in Tripartite Symbiosis Among Rhizobia, Arbuscular Mycorrhizal Fungi, and Legumes for Enhancing Abiotic Stress Tolerance in Crop Plants. Frontiers in Microbiology, 2020, 11, 509919.	3.5	55
40	Sensing and signalling in plant stress responses: ensuring sustainable food security in an era of climate change. New Phytologist, 2020, 228, 823-827.	7.3	6
41	Expression dynamics of glyoxalase genes under high temperature stress in plants. Plant Physiology Reports, 2020, 25, 533-548.	1.5	4
42	Plant histidine kinases: Targets for crop improvement. , 2020, , 101-109.		0
43	From methylglyoxal to pyruvate: a genome-wide study for the identification of glyoxalases and D-lactate dehydrogenases in Sorghum bicolor. BMC Genomics, 2020, 21, 145.	2.8	24
44	Innovative plant breeding could deliver crop revolution. Nature, 2020, 577, 622-622.	27.8	4
45	Reassessing plant glyoxalases: large family and expanding functions. New Phytologist, 2020, 227, 714-721.	7.3	35
46	Draft Genome Sequence of Bacillus marisflavi CK-NBRI-03, Isolated from Agricultural Soil. Microbiology Resource Announcements, 2020, 9, .	0.6	2
47	Survival Strategies in Halophytes: Adaptation and Regulation. , 2020, , 1-22.		0
48	CO2 uptake and chlorophyll a fluorescence of Suaeda fruticosa grown under diurnal rhythm and after transfer to continuous dark. Photosynthesis Research, 2019, 142, 211-227.	2.9	27
49	Molecular Mechanism and Signaling Response of Heavy Metal Stress Tolerance in Plants. , 2019, , 29-47.		8
50	Mapping the â€˜early salinity responseâ€™ triggered proteome adaptation in contrasting rice genotypes using iTRAQ approach. Rice, 2019, 12, 3.	4.0	37
51	A unique bZIP transcription factor imparting multiple stress tolerance in Rice. Rice, 2019, 12, 58.	4.0	50
52	Functional Genomics Approach Towards Dissecting Out Abiotic Stress Tolerance Trait in Plants. Sustainable Development and Biodiversity, 2019, , 1-24.	1.7	3
53	Molecular Chaperones: Key Players of Abiotic Stress Response in Plants. Sustainable Development and Biodiversity, 2019, , 125-165.	1.7	3
54	Recent Advancements in Developing Salinity Tolerant Rice. , 2019, , 87-112.		3

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55	The Two-Component System: Transducing Environmental and Hormonal Signals. , 2019, , 247-278.		4
56	Perception of Stress Environment in Plants. , 2019, , 163-186.		2
57	Draft Genome Sequence of a Potential Plant Growth-Promoting Rhizobacterium, <i>Pseudomonas</i> sp. Strain CK-NBRI-02. Microbiology Resource Announcements, 2019, 8, .	0.6	3
58	How to survive in a salty desert: An adventure study with Suaeda fruticosa. The Journal of Plant Science Research, 2019, 35, 257-261.	0.1	6
59	Engineering abiotic stress response in plants for biomass production. Journal of Biological Chemistry, 2018, 293, 5035-5043.	3.4	43
60	Rice intermediate filament, OsIF, stabilizes photosynthetic machinery and yield under salinity and heat stress. Scientific Reports, 2018, 8, 4072.	3.3	49
61	Manipulation of glyoxalase pathway confers tolerance to multiple stresses in rice. Plant, Cell and Environment, 2018, 41, 1186-1200.	5.7	95
62	Knockdown of an inflorescence meristemâ€specific cytokinin oxidase â€" OsCKX2 in rice reduces yield penalty under salinity stress condition. Plant, Cell and Environment, 2018, 41, 936-946.	5.7	122
63	Proteomics of contrasting rice genotypes: Identification of potential targets for raising crops for saline environment. Plant, Cell and Environment, 2018, 41, 947-969.	5.7	51
64	Forward and reverse genetics approaches for combined stress tolerance in rice. Indian Journal of Plant Physiology, 2018, 23, 630-646.	0.8	27
65	Pre-Field Screening Protocols for Heat-Tolerant Mutants in Rice. , 2018, , .		12
66	Mapping the â€˜Two-component systemâ€™ network in rice. Scientific Reports, 2017, 7, 9287.	3.3	41
67	Overview of Methods for Assessing Salinity and Drought Tolerance of Transgenic Wheat Lines. Methods in Molecular Biology, 2017, 1679, 83-95.	0.9	16
68	Metabolic shift in sugars and amino acids regulates sprouting in Saffron corm. Scientific Reports, 2017, 7, 11904.	3.3	32
69	A nuclearâ€localized rice glyoxalase I enzyme, OsGLYIâ€8, functions in the detoxification of methylglyoxal in the nucleus. Plant Journal, 2017, 89, 565-576.	5.7	36
70	Transcription dynamics of Saltol QTL localized genes encoding transcription factors, reveals their differential regulation in contrasting genotypes of rice. Functional and Integrative Genomics, 2017, 17, 69-83.	3.5	31
71	Biomass production and salinity response in plants: role of MicroRNAs. Indian Journal of Plant Physiology, 2017, 22, 448-457.	0.8	8
72	Abiotic Stresses Cause Differential Regulation of Alternative Splice Forms of GATA Transcription Factor in Rice. Frontiers in Plant Science, 2017, 8, 1944.	3.6	86

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73	A Salt Overly Sensitive Pathway Member from Brassica juncea BjSOS3 Can Functionally Complement Î”Atsos3 in Arabidopsis. Current Genomics, 2017, 19, 60-69.	1.6	17
74	OsCBSCBSPB4 is a Two Cystathionine-Î²-Synthase Domain-containing Protein from Rice that Functions in Abiotic Stress Tolerance. Current Genomics, 2017, 19, 50-59.	1.6	11
75	Characteristic Variations and Similarities in Biochemical, Molecular, and Functional Properties of Glyoxalases across Prokaryotes and Eukaryotes. International Journal of Molecular Sciences, 2017, 18, 250.	4.1	25
76	Mapping the microRNA Expression Profiles in Glyoxalase Overexpressing Salinity Tolerant Rice. Current Genomics, 2017, 19, 21-35.	1.6	9
77	TUNEL Assay to Assess Extent of DNA Fragmentation and Programmed Cell Death in Root Cells under Various Stress Conditions. Bio-protocol, 2017, 7, e2502.	0.4	5
78	Genomics Approaches For Improving Salinity Stress Tolerance in Crop Plants. Current Genomics, 2016, 17, 343-357.	1.6	66
79	Signaling cross talk between biotic and abiotic stress responses in soybean. , 2016, , 27-52.		6
80	OsSRO1a Interacts with RNA Binding Domain-Containing Protein (OsRBD1) and Functions in Abiotic Stress Tolerance in Yeast. Frontiers in Plant Science, 2016, 7, 62.	3.6	22
81	Analyses of Old â€œProkaryoticâ€• Proteins Indicate Functional Diversification in Arabidopsis and Oryza sativa. Frontiers in Plant Science, 2016, 7, 304.	3.6	1
82	MATH-Domain Family Shows Response toward Abiotic Stress in Arabidopsis and Rice. Frontiers in Plant Science, 2016, 7, 923.	3.6	33
83	Transcription Factors and Plants Response to Drought Stress: Current Understanding and Future Directions. Frontiers in Plant Science, 2016, 7, 1029.	3.6	611
84	Plant Metallothioneins. , 2016, , 239-261.		15
85	Methylglyoxal detoxification in plants: Role of glyoxalase pathway. Indian Journal of Plant Physiology, 2016, 21, 377-390.	0.8	52
86	Physiological characterization of gamma-ray induced mutant population of rice to facilitate biomass and yield improvement under salinity stress. Indian Journal of Plant Physiology, 2016, 21, 545-555.	0.8	16
87	Presence of unique glyoxalase III proteins in plants indicates the existence of shorter route for methylglyoxal detoxification. Scientific Reports, 2016, 6, 18358.	3.3	100
88	Glyoxalase Pathway and Drought Stress Tolerance in Plants. , 2016, , 379-399.		4
89	Investigating Abiotic Stress Response Machinery in Plants: The Metabolomic Approach. , 2016, , 303-319.		2
90	Evidence for nuclear interaction of a cytoskeleton protein (OsIFL) with metallothionein and its role in salinity stress tolerance. Scientific Reports, 2016, 6, 34762.	3.3	35

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91	A NAP-Family Histone Chaperone Functions in Abiotic Stress Response and Adaptation. Plant Physiology, 2016, 171, 2854-2868.	4.8	44
92	Ectopic expression of Pokkali phosphoglycerate kinase-2 (OsPGK2-P) improves yield in tobacco plants under salinity stress. Plant Cell Reports, 2016, 35, 27-41.	5.6	72
93	Genome-wide investigation and expression analysis of Sodium/Calcium exchanger gene family in rice and Arabidopsis. Rice, 2015, 8, 54.	4.0	41
94	Oxidative environment and redox homeostasis in plants: dissecting out significant contribution of major cellular organelles. Frontiers in Environmental Science, 2015, 2, .	3.3	71
95	De Novo Assembly and Characterization of Stress Transcriptome in a Salinity-Tolerant Variety CS52 of Brassica juncea. PLoS ONE, 2015, 10, e0126783.	2.5	45
96	Analysis of global gene expression profile of rice in response to methylglyoxal indicates its possible role as a stress signal molecule. Frontiers in Plant Science, 2015, 6, 682.	3.6	68
97	Tissue specific and abiotic stress regulated transcription of histidine kinases in plants is also influenced by diurnal rhythm. Frontiers in Plant Science, 2015, 6, 711.	3.6	42
98	Understanding salinity responses and adopting â€˜omics-basedâ€™ approaches to generate salinity tolerant cultivars of rice. Frontiers in Plant Science, 2015, 6, 712.	3.6	86
99	Histone chaperones in Arabidopsis and rice: genome-wide identification, phylogeny, architecture and transcriptional regulation. BMC Plant Biology, 2015, 15, 42.	3.6	44
100	Methylglyoxal, Triose Phosphate Isomerase, and Glyoxalase Pathway: Implications in Abiotic Stress and Signaling in Plants. , 2015, , 347-366.		12
101	Towards Understanding Abiotic Stress Signaling in Plants: Convergence of Genomic, Transcriptomic, Proteomic, and Metabolomic Approaches. , 2015, , 3-40.		13
102	Molecular cloning and characterization of salt overly sensitive gene promoter from Brassica juncea (BjSOS2). Molecular Biology Reports, 2015, 42, 1139-1148.	2.3	22
103	Designing Climate-Smart Future Crops Employing Signal Transduction Components. , 2015, , 393-413.		13
104	Expression of a cyclophilin OsCyp2-P isolated from a salt-tolerant landrace of rice in tobacco alleviates stress via ion homeostasis and limiting ROS accumulation. Functional and Integrative Genomics, 2015, 15, 395-412.	3.5	41
105	A nuclear-localized histone-gene binding protein from rice (OsHBP1b) functions in salinity and drought stress tolerance by maintaining chlorophyll content and improving the antioxidant machinery. Journal of Plant Physiology, 2015, 176, 36-46.	3.5	70
106	Putative osmosensor â€" OsHK3b â€" a histidine kinase protein from rice shows high structural conservation with its ortholog AtHK1 from<i>Arabidopsis</i>. Journal of Biomolecular Structure and Dynamics, 2014, 32, 1318-1332.	3.5	14
107	Stress response of<i>OsETHE1</i>is altered in response to light and dark conditions. Plant Signaling and Behavior, 2014, 9, e973820.	2.4	1
108	Expression of abiotic stress inducible ETHE1-like protein from rice is higher in roots and is regulated by calcium. Physiologia Plantarum, 2014, 152, 1-16.	5.2	33

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109	Glyoxalases and stress tolerance in plants. Biochemical Society Transactions, 2014, 42, 485-490.	3.4	97
110	Glyoxalase and Methylglyoxal as Biomarkers for Plant Stress Tolerance. Critical Reviews in Plant Sciences, 2014, 33, 429-456.	5.7	120
111	A glutathione responsive rice glyoxalase <scp>II</scp>, Os<scp>GLYII</scp>â€2, functions in salinity adaptation by maintaining better photosynthesis efficiency and antiâ€oxidant pool. Plant Journal, 2014, 80, 93-105.	5.7	102
112	A unique <scp>N</scp>i²⁺Ââ€dependent and methylglyoxalâ€inducible rice glyoxalaseÂ<scp>I</scp> possesses a single active site and functions in abiotic stress response. Plant Journal, 2014, 78, 951-963.	5.7	113
113	A suite of new genes defining salinity stress tolerance in seedlings of contrasting rice genotypes. Functional and Integrative Genomics, 2013, 13, 351-365.	3.5	71
114	Episodes of horizontal gene-transfer and gene-fusion led to co-existence of different metal-ion specific glyoxalase I. Scientific Reports, 2013, 3, 3076.	3.3	48
115	Cyclophilins: Proteins in search of function. Plant Signaling and Behavior, 2013, 8, e22734.	2.4	113
116	Salt Overly Sensitive pathway members are influenced by diurnal rhythm in rice. Plant Signaling and Behavior, 2013, 8, e24738.	2.4	28
117	Histidine kinases in plants. Plant Signaling and Behavior, 2012, 7, 1230-1237.	2.4	87
118	Characterization of stress and methylglyoxal inducible triose phosphate isomerase (OscTPI) from rice. Plant Signaling and Behavior, 2012, 7, 1337-1345.	2.4	56
119	Functional screening of cDNA library from a salt tolerant rice genotype Pokkali identifies mannose-1-phosphate guanyl transferase gene (OsMPG1) as a key member of salinity stress response. Plant Molecular Biology, 2012, 79, 555-568.	3.9	47
120	Narrowing down the targets for yield improvement in rice under normal and abiotic stress conditions via expression profiling of yield-related genes. Rice, 2012, 5, 37.	4.0	45
121	Overexpression of Rice CBS Domain Containing Protein Improves Salinity, Oxidative, and Heavy Metal Tolerance in Transgenic Tobacco. Molecular Biotechnology, 2012, 52, 205-216.	2.4	90
122	Characterization and Functional Validation of Tobacco PLC Delta for Abiotic Stress Tolerance. Plant Molecular Biology Reporter, 2012, 30, 488-497.	1.8	39
123	Dissecting Out the Crosstalk Between Salinity and Hormones in Roots of <i>Arabidopsis</i>. OMICS A Journal of Integrative Biology, 2011, 15, 913-924.	2.0	9
124	Analysis of a salinity induced BjSOS3 protein from Brassica indicate it to be structurally and functionally related to its ortholog from Arabidopsis. Plant Physiology and Biochemistry, 2011, 49, 996-1004.	5.8	17
125	An improved protocol for efficient transformation and regeneration of diverse indica rice cultivars. Plant Methods, 2011, 7, 49.	4.3	136
126	Genome-wide analysis of rice and Arabidopsis identifies two glyoxalase genes that are highly expressed in abiotic stresses. Functional and Integrative Genomics, 2011, 11, 293-305.	3.5	146

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127	Redox homeostasis, antioxidant defense, and methylglyoxal detoxification as markers for salt tolerance in Pokkali rice. Protoplasma, 2010, 245, 85-96.	2.1	242
128	Enhanced salinity tolerance and improved yield properties in Bangladeshi rice Binnatoa through Agrobacterium-mediated transformation of PgNHX1 from Pennisetum glaucum. Acta Physiologiae Plantarum, 2010, 32, 657-663.	2.1	14
129	Metabolic Engineering of Glyoxalase Pathway for Enhancing Stress Tolerance in Plants. Methods in Molecular Biology, 2010, 639, 95-118.	0.9	37
130	Agrobacterium-mediated Transformation and Constitutive Expression of PgNHX1 from Pennisetum glaucum L. in Oryza sativa L. cv. Binnatoa. Plant Tissue Culture and Biotechnology, 2010, 19, 25-33.	0.2	2
131	Maintenance of stress related transcripts in tolerant cultivar at a level higher than sensitive one appears to be a conserved salinity response among plants. Plant Signaling and Behavior, 2009, 4, 431-434.	2.4	15
132	Genome wide expression analysis of CBS domain containing proteins in Arabidopsis thaliana (L.) Heynh and Oryza sativa L. reveals their developmental and stress regulation. BMC Genomics, 2009, 10, 200.	2.8	105
133	Transcriptome map for seedling stage specific salinity stress response indicates a specific set of genes as candidate for saline tolerance in Oryza sativa L.. Functional and Integrative Genomics, 2009, 9, 109-123.	3.5	140
134	Histidine kinase and response regulator genes as they relate to salinity tolerance in rice. Functional and Integrative Genomics, 2009, 9, 411-417.	3.5	50
135	Heterologous Expression of a Salinity and Developmentally Regulated Rice Cyclophilin Gene (OsCyp2) in E. coli and S. cerevisiae Confers Tolerance Towards Multiple Abiotic Stresses. Molecular Biotechnology, 2009, 42, 195-204.	2.4	53
136	Glutathione Homeostasis: Crucial for Abiotic Stress Tolerance in Plants. , 2009, , 263-282.		2
137	Transgenic Approaches. , 2009, , 417-450.		3
138	Physiological responses among Brassica species under salinity stress show strong correlation with transcript abundance for SOS pathway-related genes. Journal of Plant Physiology, 2009, 166, 507-520.	3.5	120
139	Role of the glyoxalase pathway in delaying plant senescence under stress conditions. SEB Experimental Biology Series, 2009, 62, 171-85.	0.1	0
140	Enhancing salt tolerance in a crop plant by overexpression of glyoxalase II. Transgenic Research, 2008, 17, 171-180.	2.4	168
141	Towards salinity tolerance in Brassica: an overview. Physiology and Molecular Biology of Plants, 2008, 14, 39-49.	3.1	81
142	Raising salinity tolerant rice: recent progress and future perspectives. Physiology and Molecular Biology of Plants, 2008, 14, 137-154.	3.1	40
143	AN OVERVIEW ON THE ROLE OF METHYLGLYOXAL AND GLYOXALASES IN PLANTS. Drug Metabolism and Drug Interactions, 2008, 23, 51-68.	0.3	94
144	Analysis of Salt Stress-Related Transcriptome Fingerprints from Diverse Plant Species. , 2007, , 267-287.		3

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145	Characterization and functional validation of glyoxalase II from rice. Protein Expression and Purification, 2007, 51, 126-132.	1.3	35
146	Transgenic Plants for Dry and Saline Environments. , 2007, , 501-530.		6
147	Pennisetum glaucum Na+/H+ antiporter confers high level of salinity tolerance in transgenic Brassica juncea. Molecular Breeding, 2007, 19, 137-151.	2.1	85
148	Functional validation of a novel isoform of Na+/H+ antiporter from Pennisetum glaucum for enhancing salinity tolerance in rice. Journal of Biosciences, 2007, 32, 621-628.	1.1	109
149	Transgenic Tobacco Overexpressing Glyoxalase Pathway Enzymes Grow and Set Viable Seeds in Zinc-Spiked Soils. Plant Physiology, 2006, 140, 613-623.	4.8	237
150	Whole-Genome Analysis of Oryza sativa Reveals Similar Architecture of Two-Component Signaling Machinery with Arabidopsis. Plant Physiology, 2006, 142, 380-397.	4.8	130
151	Methylglyoxal levels in plants under salinity stress are dependent on glyoxalase I and glutathione. Biochemical and Biophysical Research Communications, 2005, 337, 61-67.	2.1	388
152	Transgenic tobacco plants overexpressing glyoxalase enzymes resist an increase in methylglyoxal and maintain higher reduced glutathione levels under salinity stress. FEBS Letters, 2005, 579, 6265-6271.	2.8	221