

John C Cushman

List of Publications by Year in descending order

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138
papers

10,936
citations

23567

58
h-index

33894

99
g-index

142
all docs

142
docs citations

142
times ranked

10059
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant responses and adaptations to a changing climate. <i>Plant Journal</i> , 2022, 109, 319-322.	5.7	9
2	Realizing the Potential of <i>Camelina sativa</i> as a Bioenergy Crop for a Changing Global Climate. <i>Plants</i> , 2022, 11, 772.	3.5	24
3	Disentangling Sources of Gene Tree Discordance in Phylogenomic Data Sets: Testing Ancient Hybridizations in <i>Amaranthaceae</i> s.l. <i>Systematic Biology</i> , 2021, 70, 219-235.	5.6	112
4	Metabolic profiling of epidermal and mesophyll tissues under water-deficit stress in <i>Opuntia ficus-indica</i> reveals stress-adaptive metabolic responses. <i>Functional Plant Biology</i> , 2021, 48, 717.	2.1	3
5	Chapter 10 Climate Change Responses and Adaptations in Crassulacean Acid Metabolism (CAM) Plants. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 283-329.	1.0	5
6	Five-year field trial of the biomass productivity and water input response of cactus pear (<i>Opuntia</i> spp.) as a bioenergy feedstock for arid lands. <i>GCB Bioenergy</i> , 2021, 13, 719-741.	5.6	20
7	Membrane Profiling by Free Flow Electrophoresis and SWATH-MS to Characterize Subcellular Compartment Proteomes in <i>Mesembryanthemum crystallinum</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 5020.	4.1	5
8	Characterization of a microbial consortium with potential for biological degradation of cactus pear biomass for biofuel production. <i>Heliyon</i> , 2021, 7, e07854.	3.2	4
9	Ion accumulation and expression of ion homeostasis-related genes associated with halophilism, NaCl-promoted growth in a halophyte <i>Mesembryanthemum crystallinum</i> L. <i>Plant Production Science</i> , 2020, 23, 91-102.	2.0	28
10	Evolution of DOPA 4,5-dioxygenase activity allows for recurrent specialisation to betalain pigmentation in Caryophyllales. <i>New Phytologist</i> , 2020, 227, 914-929.	7.3	48
11	Characterization of Seed, Oil, and Fatty Acid Methyl Esters of an Ethyl Methanesulfonate Mutant of <i>Camelina sativa</i> with Reduced Seed Coat Mucilage. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2020, 97, 157-174.	1.9	2
12	Genomic adaptations of the green alga <i>Dunaliella salina</i> to life under high salinity. <i>Algal Research</i> , 2020, 50, 101990.	4.6	18
13	Light-responsive expression atlas reveals the effects of light quality and intensity in <i>Kalanchoë fedtschenkoi</i> , a plant with crassulacean acid metabolism. <i>GigaScience</i> , 2020, 9, .	6.4	11
14	Editorial: Systems Biology and Synthetic Biology in Relation to Drought Tolerance or Avoidance in Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 394.	3.6	13
15	An <i>Agrobacterium</i> -mediated transformation via organogenesis regeneration of a facultative CAM plant, the common ice plant <i>Mesembryanthemum crystallinum</i> L. <i>Plant Production Science</i> , 2020, 23, 343-349.	2.0	5
16	Plant tissue succulence engineering improves water-use efficiency, water-deficit stress attenuation and salinity tolerance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 103, 1049-1072.	5.7	36
17	Five-Year Field Trial of Eight <i>Camelina sativa</i> Cultivars for Biomass to be Used in Biofuel under Irrigated Conditions in a Semi-Arid Climate. <i>Agronomy</i> , 2020, 10, 562.	3.0	14
18	Biosystems Design to Accelerate C ₃ -to-CAM Progression. <i>Biodesign Research</i> , 2020, 2020, .	1.9	16

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19	Nutritional and mineral content of prickly pear cactus: A highly water-use efficient forage, fodder and food species. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 625-634.	3.5	40
20	Understanding trait diversity associated with crassulacean acid metabolism (CAM). <i>Current Opinion in Plant Biology</i> , 2019, 49, 74-85.	7.1	38
21	Exploring the Relationship between Crassulacean Acid Metabolism (CAM) and Mineral Nutrition with a Special Focus on Nitrogen. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4363.	4.1	16
22	The bracteatus pineapple genome and domestication of clonally propagated crops. <i>Nature Genetics</i> , 2019, 51, 1549-1558.	21.4	60
23	Laying the Foundation for Crassulacean Acid Metabolism (CAM) Biodesign: Expression of the C4 Metabolism Cycle Genes of CAM in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 101.	3.6	45
24	Crassulacean Acid Metabolism Abiotic Stress-Responsive Transcription Factors: a Potential Genetic Engineering Approach for Improving Crop Tolerance to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 129.	3.6	28
25	New perspectives on crassulacean acid metabolism biology. <i>Journal of Experimental Botany</i> , 2019, 70, 6489-6493.	4.8	10
26	Quantitative ROS bioreporters: A robust toolkit for studying biological roles of ROS in response to abiotic and biotic stresses. <i>Physiologia Plantarum</i> , 2019, 165, 356-368.	5.2	24
27	Simultaneous chloroplast, mitochondria isolation and mitochondrial protein preparation for two-dimensional electrophoresis analysis of <i>Ice</i> plant leaves under well watered and water-deficit stressed treatments. <i>Protein Expression and Purification</i> , 2019, 155, 86-94.	1.3	3
28	Fast Pyrolysis of <i>Opuntia ficus-indica</i> (Prickly Pear) and <i>Grindelia squarrosa</i> (Gumweed). <i>Energy & Fuels</i> , 2018, 32, 3510-3518.	5.1	8
29	A <i>Vitis vinifera</i> basic helix-loop-helix transcription factor enhances plant cell size, vegetative biomass and reproductive yield. <i>Plant Biotechnology Journal</i> , 2018, 16, 1595-1615.	8.3	39
30	Identification of Genes Encoding Enzymes Catalyzing the Early Steps of Carrot Polyacetylene Biosynthesis. <i>Plant Physiology</i> , 2018, 178, 1507-1521.	4.8	26
31	Perspectives on the basic and applied aspects of crassulacean acid metabolism (CAM) research. <i>Plant Science</i> , 2018, 274, 394-401.	3.6	18
32	<i>Sporobolus stapfianus</i> : Insights into desiccation tolerance in the resurrection grasses from linking transcriptomics to metabolomics. <i>BMC Plant Biology</i> , 2017, 17, 67.	3.6	61
33	Draft Nuclear Genome Sequence of the Halophilic and Beta-Carotene-Accumulating Green Alga <i>Dunaliella salina</i> Strain CCAP19/18. <i>Genome Announcements</i> , 2017, 5, .	0.8	83
34	Leaf carbohydrates influence transcriptional and post-transcriptional regulation of nocturnal carboxylation and starch degradation in the facultative CAM plant, <i>Mesembryanthemum crystallinum</i> . <i>Journal of Plant Physiology</i> , 2017, 218, 144-154.	3.5	7
35	Temporal and spatial transcriptomic and microRNA dynamics of CAM photosynthesis in pineapple. <i>Plant Journal</i> , 2017, 92, 19-30.	5.7	78
36	MYB and HD-ZIP IV homologs related to trichome formation are involved in epidermal bladder cell development in the halophyte <i>Mesembryanthemum crystallinum</i> L. <i>Plant Production Science</i> , 2017, 20, 72-82.	2.0	8

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37	The <i>Kalanchoë</i> genome provides insights into convergent evolution and building blocks of crassulacean acid metabolism. <i>Nature Communications</i> , 2017, 8, 1899.	12.8	159
38	An <i>rbcl</i> mRNA-binding protein is associated with C3 to C4 evolution and light-induced production of Rubisco in <i>Flaveria</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 4635-4649.	4.8	7
39	Divide and Conquer (DC) BLAST: fast and easy BLAST execution within HPC environments. <i>PeerJ</i> , 2017, 5, e3486.	2.0	10
40	Identification of Ice Plant (<i>Mesembryanthemum crystallinum</i> L.) MicroRNAs Using RNA-Seq and Their Putative Roles in High Salinity Responses in Seedlings. <i>Frontiers in Plant Science</i> , 2016, 7, 1143.	3.6	47
41	Orchestration of carbohydrate processing for crassulacean acid metabolism. <i>Current Opinion in Plant Biology</i> , 2016, 31, 118-124.	7.1	49
42	Transcript, protein and metabolite temporal dynamics in the CAM plant <i>Agave</i> . <i>Nature Plants</i> , 2016, 2, 16178.	9.3	158
43	Suppression subtractive hybridization library construction and identification of epidermal bladder cell related genes in the common ice plant, <i>Mesembryanthemum crystallinum</i> L. <i>Plant Production Science</i> , 2016, 19, 552-561.	2.0	8
44	A roadmap for research on crassulacean acid metabolism (CAM) to enhance sustainable food and bioenergy production in a hotter, drier world. <i>New Phytologist</i> , 2015, 207, 491-504.	7.3	211
45	Evaluation of Diverse Microalgal Species as Potential Biofuel Feedstocks Grown Using Municipal Wastewater. <i>Frontiers in Energy Research</i> , 2015, 3, .	2.3	9
46	Development and use of bioenergy feedstocks for semi-arid and arid lands. <i>Journal of Experimental Botany</i> , 2015, 66, 4177-4193.	4.8	88
47	Transgressive, reiterative selection by continuous buoyant density gradient centrifugation of <i>Dunaliella salina</i> results in enhanced lipid and starch content. <i>Algal Research</i> , 2015, 9, 194-203.	4.6	10
48	Biomass characterization of <i>Agave</i> and <i>Opuntia</i> as potential biofuel feedstocks. <i>Biomass and Bioenergy</i> , 2015, 76, 43-53.	5.7	97
49	The pineapple genome and the evolution of CAM photosynthesis. <i>Nature Genetics</i> , 2015, 47, 1435-1442.	21.4	472
50	Climate-resilient agroforestry: physiological responses to climate change and engineering of crassulacean acid metabolism (CAM) as a mitigation strategy. <i>Plant, Cell and Environment</i> , 2015, 38, 1833-1849.	5.7	59
51	Engineering crassulacean acid metabolism to improve water-use efficiency. <i>Trends in Plant Science</i> , 2014, 19, 327-338.	8.8	206
52	Synthetic biology as it relates to CAM photosynthesis: challenges and opportunities. <i>Journal of Experimental Botany</i> , 2014, 65, 3381-3393.	4.8	49
53	Interview with John C. Cushman. <i>Trends in Plant Science</i> , 2014, 19, 274-275.	8.8	0
54	Multiple isoforms of phosphoenolpyruvate carboxylase in the Orchidaceae (subtribe Oncidiinae): implications for the evolution of crassulacean acid metabolism. <i>Journal of Experimental Botany</i> , 2014, 65, 3623-3636.	4.8	62

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55	Metabolomic Profiling in <i>Selaginella lepidophylla</i> at Various Hydration States Provides New Insights into the Mechanistic Basis of Desiccation Tolerance. <i>Molecular Plant</i> , 2013, 6, 369-385.	8.3	117
56	Analysis of Triacylglycerols and Free Fatty Acids in Algae Using Ultra-Performance Liquid Chromatography Mass Spectrometry. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2013, 90, 53-64.	1.9	37
57	Metabolic rates associated with membrane fatty acids in mice selected for increased maximal metabolic rate. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 165, 70-78.	1.8	17
58	Linking genes of unknown function with abiotic stress responses by high-throughput phenotype screening. <i>Physiologia Plantarum</i> , 2013, 148, 322-333.	5.2	123
59	Biomass Production, Nutritional and Mineral Content of Desiccation-Sensitive and Desiccation-Tolerant Species of <i>Sporobolus</i> under Multiple Irrigation Regimes. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 309-320.	3.5	4
60	A CAM- and starch-deficient mutant of the facultative CAM species <i>Mesembryanthemum crystallinum</i> reconciles sink demands by repartitioning carbon during acclimation to salinity. <i>Journal of Experimental Botany</i> , 2012, 63, 1985-1996.	4.8	25
61	Comparative metabolic profiling between desiccation-sensitive and desiccation-tolerant species of <i>Selaginella</i> reveals insights into the resurrection trait. <i>Plant Journal</i> , 2012, 72, 983-999.	5.7	87
62	The <i>Vitis vinifera</i> Repeat binding protein 4 (<i>VvCBF4</i>) transcriptional factor enhances freezing tolerance in wine grape. <i>Plant Biotechnology Journal</i> , 2012, 10, 105-124.	8.3	83
63	Generic recircumscriptions of <i>Oncidiinae</i> (Orchidaceae: Cymbidieae) based on maximum likelihood analysis of combined DNA datasets. <i>Botanical Journal of the Linnean Society</i> , 2012, 168, 117-146.	1.6	85
64	Water Deficit Increases Stilbene Metabolism in Cabernet Sauvignon Berries. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 289-297.	5.2	73
65	Identification of tissue-specific, abiotic stress-responsive gene expression patterns in wine grape (<i>Vitis</i>)	3.6	35
66	Calcium-Dependent Protein Kinases from <i>Arabidopsis</i> Show Substrate Specificity Differences in an Analysis of 103 Substrates. <i>Frontiers in Plant Science</i> , 2011, 2, 36.	3.6	80
67	Understanding Vegetative Desiccation Tolerance Using Integrated Functional Genomics Approaches Within a Comparative Evolutionary Framework. <i>Ecological Studies</i> , 2011, , 307-338.	1.2	17
68	A Sister Group Contrast Using Untargeted Global Metabolomic Analysis Delineates the Biochemical Regulation Underlying Desiccation Tolerance in <i>Sporobolus stapfianus</i> . <i>Plant Cell</i> , 2011, 23, 1231-1248.	6.6	212
69	The unicellular green alga <i>Dunaliella salina</i> Teod. as a model for abiotic stress tolerance: genetic advances and future perspectives. <i>Algae</i> , 2011, 26, 3-20.	2.3	92
70	The <i>Dunaliella salina</i> organelle genomes: large sequences, inflated with intronic and intergenic DNA. <i>BMC Plant Biology</i> , 2010, 10, 83.	3.6	98
71	Crassulacean Acid Metabolism May Alleviate Production of Reactive Oxygen Species in a Facultative CAM Plant, the Common Ice Plant <i>Mesembryanthemum crystallinum</i> L.. <i>Plant Production Science</i> , 2010, 13, 256-260.	2.0	24
72	Evolution along the crassulacean acid metabolism continuum. <i>Functional Plant Biology</i> , 2010, 37, 995.	2.1	177

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73	Expressed sequence tag (EST) profiling in hyper saline shocked <i>Dunaliella salina</i> reveals high expression of protein synthetic apparatus components. <i>Plant Science</i> , 2010, 179, 437-449.	3.6	53
74	Crassulacean Acid Metabolism and Epiphytism Linked to Adaptive Radiations in the Orchidaceae. <i>Plant Physiology</i> , 2009, 149, 1838-1847.	4.8	194
75	Water deficit alters differentially metabolic pathways affecting important flavor and quality traits in grape berries of Cabernet Sauvignon and Chardonnay. <i>BMC Genomics</i> , 2009, 10, 212.	2.8	418
76	Identification of proteins that interact with catalytically active calcium-dependent protein kinases from <i>Arabidopsis</i> . <i>Molecular Genetics and Genomics</i> , 2009, 281, 375-390.	2.1	44
77	Proteomic and selected metabolite analysis of grape berry tissues under well-watered and water-deficit stress conditions. <i>Proteomics</i> , 2009, 9, 2503-2528.	2.2	136
78	Proteomic profiling of tandem affinity purified 14-3-3 protein complexes in <i>Arabidopsis thaliana</i> . <i>Proteomics</i> , 2009, 9, 2967-2985.	2.2	193
79	Charting plant interactomes: possibilities and challenges. <i>Trends in Plant Science</i> , 2008, 13, 183-191.	8.8	93
80	Isolation and Characterization of Mutants of Common Ice Plant Deficient in Crassulacean Acid Metabolism. <i>Plant Physiology</i> , 2008, 147, 228-238.	4.8	65
81	Enhanced Tolerance to Oxidative Stress in Transgenic <i>Arabidopsis</i> Plants Expressing Proteins of Unknown Function. <i>Plant Physiology</i> , 2008, 148, 280-292.	4.8	105
82	Large-scale mRNA expression profiling in the common ice plant, <i>Mesembryanthemum crystallinum</i> , performing C3 photosynthesis and Crassulacean acid metabolism (CAM). <i>Journal of Experimental Botany</i> , 2008, 59, 1875-1894.	4.8	128
83	Annotating Genes of Known and Unknown Function by Large-Scale Coexpression Analysis. <i>Plant Physiology</i> , 2008, 147, 41-57.	4.8	162
84	Salt tolerance, salt accumulation, and ionic homeostasis in an epidermal bladder-cell-less mutant of the common ice plant <i>Mesembryanthemum crystallinum</i> . <i>Journal of Experimental Botany</i> , 2007, 58, 1957-1967.	4.8	166
85	POFs: what we don't know can hurt us. <i>Trends in Plant Science</i> , 2007, 12, 492-496.	8.8	35
86	Proteomic analysis reveals differences between <i>Vitis vinifera</i> L. cv. Chardonnay and cv. Cabernet Sauvignon and their responses to water deficit and salinity. <i>Journal of Experimental Botany</i> , 2007, 58, 1873-1892.	4.8	181
87	Tissue-specific mRNA expression profiling in grape berry tissues. <i>BMC Genomics</i> , 2007, 8, 187.	2.8	193
88	Transcriptomic and metabolite analyses of Cabernet Sauvignon grape berry development. <i>BMC Genomics</i> , 2007, 8, 429.	2.8	391
89	Thiamin pyrophosphokinase is required for thiamin cofactor activation in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2007, 65, 151-162.	3.9	60
90	Water and salinity stress in grapevines: early and late changes in transcript and metabolite profiles. <i>Functional and Integrative Genomics</i> , 2007, 7, 111-134.	3.5	474

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91	Transcript abundance profiles reveal larger and more complex responses of grapevine to chilling compared to osmotic and salinity stress. <i>Functional and Integrative Genomics</i> , 2007, 7, 317-333.	3.5	120
92	Isolation and characterization of a novel v-SNARE family protein that interacts with a calcium-dependent protein kinase from the common ice plant, <i>Mesembryanthemum crystallinum</i> . <i>Planta</i> , 2007, 225, 783-799.	3.2	10
93	What makes species unique? The contribution of proteins with obscure features. <i>Genome Biology</i> , 2006, 7, R57.	9.6	64
94	A novel yeast two-hybrid approach to identify CDPK substrates: Characterization of the interaction between AtCPK11 and AtDi19, a nuclear zinc finger protein1. <i>FEBS Letters</i> , 2006, 580, 904-911.	2.8	69
95	An EST catalogue from the resurrection plant <i>Selaginella lepidophylla</i> reveals abiotic stress-adaptive genes. <i>Plant Science</i> , 2006, 170, 1173-1184.	3.6	69
96	A phyloproteomic characterization of in vitro autophosphorylation in calcium-dependent protein kinases. <i>Proteomics</i> , 2006, 6, 3649-3664.	2.2	75
97	Effect of hypermethylation of CCWGC sequences in DNA of <i>Mesembryanthemum crystallinum</i> plants on their adaptation to salt stress. <i>Biochemistry (Moscow)</i> , 2006, 71, 461-465.	1.5	106
98	The Arabidopsis AtDi19 Gene Family Encodes a Novel Type of Cys2/His2 Zinc-finger Protein Implicated in ABA-independent Dehydration, High-salinity Stress and Light Signaling Pathways. <i>Plant Molecular Biology</i> , 2006, 61, 13-30.	3.9	85
99	A novel coiled-coil protein co-localizes and interacts with a calcium-dependent protein kinase in the common ice plant during low-humidity stress. <i>Planta</i> , 2006, 225, 57-73.	3.2	19
100	Are the metabolic components of crassulacean acid metabolism up-regulated in response to an increase in oxidative burden?. <i>Journal of Experimental Botany</i> , 2006, 57, 319-328.	4.8	55
101	Transcriptional profiles of organellar metabolite transporters during induction of crassulacean acid metabolism in <i>Mesembryanthemum crystallinum</i> . <i>Functional Plant Biology</i> , 2005, 32, 451.	2.1	29
102	Research note: Large gene family of phosphoenolpyruvate carboxylase in the crassulacean acid metabolism plant <i>Kalanchoe pinnata</i> (Crassulaceae) characterised by partial cDNA sequence analysis. <i>Functional Plant Biology</i> , 2005, 32, 467.	2.1	26
103	Conservation and Divergence of Circadian Clock Operation in a Stress-Inducible Crassulacean Acid Metabolism Species Reveals Clock Compensation against Stress. <i>Plant Physiology</i> , 2005, 137, 969-982.	4.8	132
104	Characterizing the Grape Transcriptome. Analysis of Expressed Sequence Tags from Multiple Vitis Species and Development of a Compendium of Gene Expression during Berry Development. <i>Plant Physiology</i> , 2005, 139, 574-597.	4.8	159
105	Crassulacean acid metabolism: recent advances and future opportunities. <i>Functional Plant Biology</i> , 2005, 32, 375.	2.1	7
106	Autophosphorylation and Subcellular Localization Dynamics of a Salt- and Water Deficit-Induced Calcium-Dependent Protein Kinase from Ice Plant. <i>Plant Physiology</i> , 2004, 135, 1430-1446.	4.8	97
107	Transcript profiling of salinity stress responses by large-scale expressed sequence tag analysis in <i>Mesembryanthemum crystallinum</i> . <i>Gene</i> , 2004, 341, 83-92.	2.2	105
108	C ₃ Photosynthesis to Crassulacean Acid Metabolism Shift in <i>Mesembryanthemum crystallinum</i> : A Stress Tolerance Mechanism. , 2004, , 241-244.		18

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109	Cladogram of Panamanian <i>Clusia</i> Based on Nuclear DNA: Implications for the Origins of Crassulacean Acid Metabolism. <i>Plant Biology</i> , 2003, 5, 59-70.	3.8	40
110	Integrating diel starch metabolism with the circadian and environmental regulation of Crassulacean acid metabolism in <i>Mesembryanthemum crystallinum</i> . <i>Planta</i> , 2003, 216, 789-797.	3.2	76
111	Conformation of a Group 2 Late Embryogenesis Abundant Protein from Soybean. Evidence of Poly (l-Proline)-type II Structure. <i>Plant Physiology</i> , 2003, 131, 963-975.	4.8	112
112	Expression, purification, and initial characterization of a recombinant form of plant PEP-carboxylase kinase from CAM-induced <i>Mesembryanthemum crystallinum</i> with enhanced solubility in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2003, 29, 123-131.	1.3	22
113	ESTAP—an automated system for the analysis of EST data. <i>Bioinformatics</i> , 2003, 19, 1720-1722.	4.1	46
114	Functional Genomics of Plant Abiotic Stress Tolerance. , 2003, , .		1
115	Abscisic acid signaling and protein synthesis requirements for phosphoenolpyruvate carboxylase transcript induction in the common ice plant. <i>Journal of Plant Physiology</i> , 2002, 159, 1235-1243.	3.5	32
116	Induction of Crassulacean Acid Metabolism by Salinity - Molecular Aspects. , 2002, , 361-393.		10
117	Environmental, hormonal and circadian regulation of crassulacean acid metabolism expression. <i>Functional Plant Biology</i> , 2002, 29, 669.	2.1	43
118	Crassulacean Acid Metabolism. A Plastic Photosynthetic Adaptation to Arid Environments. <i>Plant Physiology</i> , 2001, 127, 1439-1448.	4.8	217
119	A genomics approach towards salt stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 295-311.	5.8	176
120	Crassulacean acid metabolism. A plastic photosynthetic adaptation to arid environments. <i>Plant Physiology</i> , 2001, 127, 1439-48.	4.8	63
121	A stress-induced calcium-dependent protein kinase from <i>Mesembryanthemum crystallinum</i> phosphorylates a two-component pseudo-response regulator. <i>Plant Journal</i> , 2000, 24, 679-691.	5.7	124
122	Genomic approaches to plant stress tolerance. <i>Current Opinion in Plant Biology</i> , 2000, 3, 117-124.	7.1	582
123	The Ice Plant <i>Cometh</i> : Lessons in Abiotic Stress Tolerance. <i>Journal of Plant Growth Regulation</i> , 2000, 19, 334-346.	5.1	129
124	An improved RNA isolation method for succulent plant species rich in polyphenols and polysaccharides. <i>Plant Molecular Biology Reporter</i> , 2000, 18, 369-376.	1.8	141
125	A Minimal Serine/Threonine Protein Kinase Circadianly Regulates Phosphoenolpyruvate Carboxylase Activity in Crassulacean Acid Metabolism-Induced Leaves of the Common Ice Plant. <i>Plant Physiology</i> , 2000, 123, 1471-1482.	4.8	131
126	Induction of Crassulacean Acid Metabolism—Molecular Aspects. <i>Advances in Photosynthesis and Respiration</i> , 2000, , 551-582.	1.0	11

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127	Signaling Events Leading to Crassulacean Acid Metabolism Induction in the Common Ice Plant. <i>Plant Physiology</i> , 1999, 121, 545-556.	4.8	88
128	CRASSULACEAN ACID METABOLISM:Molecular Genetics. <i>Annual Review of Plant Biology</i> , 1999, 50, 305-332.	14.3	144
129	Induction of a cysteine protease cDNA from <i>Mesembryanthemum crystallinum</i> leaves by environmental stress and plant growth regulators. <i>Plant Science</i> , 1998, 136, 195-206.	3.6	39
130	A salinity-induced gene from the halophyte <i>M. crystallinum</i> encodes a glycolytic enzyme, cofactor-independent phosphoglyceromutase. <i>Plant Molecular Biology</i> , 1995, 29, 213-226.	3.9	48
131	Genes of malate and pyruvate metabolism. <i>Plant Molecular Biology Reporter</i> , 1994, 12, S43-S44.	1.8	1
132	Molecular cloning and expression of chloroplast NADP-malate dehydrogenase during Crassulacean acid metabolism induction by salt stress. <i>Photosynthesis Research</i> , 1993, 35, 15-27.	2.9	48
133	Characterization and expression of a NADP-malic enzyme cDNA induced by salt stress from the facultative crassulacean acid metabolism plant, <i>Mesembryanthemum crystallinum</i> . <i>FEBS Journal</i> , 1992, 208, 259-266.	0.2	72
134	Nucleotide sequence of the gene encoding a CAM specific isoform of phosphoenolpyruvate carboxylase from <i>Mesembryanthemum crystallinum</i> . <i>Nucleic Acids Research</i> , 1989, 17, 6745-6746.	14.5	32
135	Salt Stress Leads to Differential Expression of Two Isogenes of Phosphoenolpyruvate Carboxylase during Crassulacean Acid Metabolism Induction in the Common Ice Plant. <i>Plant Cell</i> , 1989, 1, 715.	6.6	51
136	The incidence of crassulacean acid metabolism in Orchidaceae derived from carbon isotope ratios: a checklist of the flora of Panama and Costa Rica. <i>Botanical Journal of the Linnean Society</i> , 0, 163, 194-222.	1.6	65
137	Sexual Recombination and Selection During Domestication of Clonally Propagated Pineapple. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
138	Multiscale Catalytic Fast Pyrolysis of <i>Grindelia</i> Reveals Opportunities for Generating Low Oxygen Content Bio-Oils from Drought Tolerant Biomass. <i>Energy & Fuels</i> , 0, , .	5.1	0