

John C Cushman

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131
papers

8,264
citations

54
h-index

89
g-index

142
ext. papers

9,775
ext. citations

6.1
avg, IF

5.84
L-index

#	Paper	IF	Citations
131	Genomic approaches to plant stress tolerance. <i>Current Opinion in Plant Biology</i> , 2000 , 3, 117-24	9.9	506
130	Water and salinity stress in grapevines: early and late changes in transcript and metabolite profiles. <i>Functional and Integrative Genomics</i> , 2007 , 7, 111-34	3.8	407
129	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	4.5	331
128	Transcriptomic and metabolite analyses of Cabernet Sauvignon grape berry development. <i>BMC Genomics</i> , 2007 , 8, 429	4.5	321
127	The pineapple genome and the evolution of CAM photosynthesis. <i>Nature Genetics</i> , 2015 , 47, 1435-42	36.3	309
126	Crassulacean Acid Metabolism. A Plastic Photosynthetic Adaptation to Arid Environments. <i>Plant Physiology</i> , 2001 , 127, 1439-1448	6.6	178
125	Tissue-specific mRNA expression profiling in grape berry tissues. <i>BMC Genomics</i> , 2007 , 8, 187	4.5	175
124	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, 1231-48	11.6	173
123	A genomics approach towards salt stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2001 , 39, 295-311	5.4	164
122	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, 1873-92	7	161
121	Proteomic profiling of tandem affinity purified 14-3-3 protein complexes in <i>Arabidopsis thaliana</i> . <i>Proteomics</i> , 2009 , 9, 2967-85	4.8	148
120	Characterizing the grape transcriptome. Analysis of expressed sequence tags from multiple <i>Vitis</i> species and development of a compendium of gene expression during berry development. <i>Plant Physiology</i> , 2005 , 139, 574-97	6.6	141
119	Annotating genes of known and unknown function by large-scale coexpression analysis. <i>Plant Physiology</i> , 2008 , 147, 41-57	6.6	137
118	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	9.8	134
117	Engineering crassulacean acid metabolism to improve water-use efficiency. <i>Trends in Plant Science</i> , 2014 , 19, 327-38	13.1	134
116	Evolution along the crassulacean acid metabolism continuum. <i>Functional Plant Biology</i> , 2010 , 37, 995	2.7	133
115	Crassulacean acid metabolism and epiphytism linked to adaptive radiations in the Orchidaceae. <i>Plant Physiology</i> , 2009 , 149, 1838-47	6.6	128

114	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, 1957-67	7.67	128
113	Proteomic and selected metabolite analysis of grape berry tissues under well-watered and water-deficit stress conditions. <i>Proteomics</i> , 2009 , 9, 2503-28	4.8	118
112	CRASSULACEAN ACID METABOLISM: Molecular Genetics. <i>Annual Review of Plant Biology</i> , 1999 , 50, 305-332		115
111	An improved RNA isolation method for succulent plant species rich in polyphenols and polysaccharides. <i>Plant Molecular Biology Reporter</i> , 2000 , 18, 369-376	1.7	114
110	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, 679-91	6.9	112
109	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, 317-33	3.8	103
108	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, 1471-82	6.6	103
107	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, 969-82	6.6	102
106	The Ice Plant Cometh: Lessons in Abiotic Stress Tolerance. <i>Journal of Plant Growth Regulation</i> , 2000 , 19, 334-346	4.7	102
105	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, 963-75	6.6	101
104	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	3.8	93
103	Effect of hypermethylation of CCWGG sequences in DNA of <i>Mesembryanthemum crystallinum</i> plants on their adaptation to salt stress. <i>Biochemistry (Moscow)</i> , 2006 , 71, 461-5	2.9	90
102	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, 369-85	14.4	89
101	The <i>Dunaliella salina</i> organelle genomes: large sequences, inflated with intronic and intergenic DNA. <i>BMC Plant Biology</i> , 2010 , 10, 83	5.3	88
100	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, 1430-46	6.6	86
99	Transcript, protein and metabolite temporal dynamics in the CAM plant <i>Agave</i> . <i>Nature Plants</i> , 2016 , 2, 16178	11.5	84
98	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, 1875-94	7	84
97	Enhanced tolerance to oxidative stress in transgenic <i>Arabidopsis</i> plants expressing proteins of unknown function. <i>Plant Physiology</i> , 2008 , 148, 280-92	6.6	83

96	The Kalanchoe genome provides insights into convergent evolution and building blocks of crassulacean acid metabolism. <i>Nature Communications</i> , 2017 , 8, 1899	17.4	77
95	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	2.4	76
94	Biomass characterization of <i>Agave</i> and <i>Opuntia</i> as potential biofuel feedstocks. <i>Biomass and Bioenergy</i> , 2015 , 76, 43-53	5.3	75
93	Signaling events leading to crassulacean acid metabolism induction in the common ice plant. <i>Plant Physiology</i> , 1999 , 121, 545-56	6.6	72
92	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, 983-99	6.9	69
91	The <i>Vitis vinifera</i> C-repeat binding protein 4 (VvCBF4) transcriptional factor enhances freezing tolerance in wine grape. <i>Plant Biotechnology Journal</i> , 2012 , 10, 105-24	11.6	69
90	A phyloproteomic characterization of in vitro autophosphorylation in calcium-dependent protein kinases. <i>Proteomics</i> , 2006 , 6, 3649-64	4.8	67
89	The <i>Arabidopsis</i> 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	4.6	67
88	Linking genes of unknown function with abiotic stress responses by high-throughput phenotype screening. <i>Physiologia Plantarum</i> , 2013 , 148, 322-33	4.6	66
87	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	6.2	65
86	Charting plant interactomes: possibilities and challenges. <i>Trends in Plant Science</i> , 2008 , 13, 183-91	13.1	64
85	Water deficit increases stilbene metabolism in Cabernet Sauvignon berries. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 289-97	5.7	63
84	A novel yeast two-hybrid approach to identify CDPK substrates: characterization of the interaction between AtCPK11 and AtDi19, a nuclear zinc finger protein. <i>FEBS Letters</i> , 2006 , 580, 904-11	3.8	62
83	Development and use of bioenergy feedstocks for semi-arid and arid lands. <i>Journal of Experimental Botany</i> , 2015 , 66, 4177-93	7	61
82	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	2.2	60
81	An EST catalogue from the resurrection plant <i>Selaginella lepidophylla</i> reveals abiotic stress-adaptive genes. <i>Plant Science</i> , 2006 , 170, 1173-1184	5.3	57
80	Integrating diel starch metabolism with the circadian and environmental regulation of Crassulacean acid metabolism in <i>Mesembryanthemum crystallinum</i> . <i>Planta</i> , 2003 , 216, 789-97	4.7	57
79	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, 259-66		57

78	What makes species unique? The contribution of proteins with obscure features. <i>Genome Biology</i> , 2006 , 7, R57	18.3	54
77	Crassulacean acid metabolism. A plastic photosynthetic adaptation to arid environments. <i>Plant Physiology</i> , 2001 , 127, 1439-48	6.6	53
76	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, 319-28	7	51
75	Isolation and characterization of mutants of common ice plant deficient in crassulacean acid metabolism. <i>Plant Physiology</i> , 2008 , 147, 228-38	6.6	50
74	Draft Nuclear Genome Sequence of the Halophilic and Beta-Carotene-Accumulating Green Alga Strain CCAP19/18. <i>Genome Announcements</i> , 2017 , 5,		49
73	Thiamin pyrophosphokinase is required for thiamin cofactor activation in Arabidopsis. <i>Plant Molecular Biology</i> , 2007 , 65, 151-62	4.6	47
72	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, 213-26	4.6	46
71	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> , 2010 , 163, 194-222	2.2	44
70	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, 437-49	5.3	42
69	ESTAP--an automated system for the analysis of EST data. <i>Bioinformatics</i> , 2003 , 19, 1720-2	7.2	41
68	Synthetic biology as it relates to CAM photosynthesis: challenges and opportunities. <i>Journal of Experimental Botany</i> , 2014 , 65, 3381-93	7	40
67	Temporal and spatial transcriptomic and microRNA dynamics of CAM photosynthesis in pineapple. <i>Plant Journal</i> , 2017 , 92, 19-30	6.9	40
66	Identification of proteins that interact with catalytically active calcium-dependent protein kinases from Arabidopsis. <i>Molecular Genetics and Genomics</i> , 2009 , 281, 375-90	3.1	40
65	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	3.7	40
64	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, 1833-49	8.4	39
63	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	5.3	37
62	<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	5.3	36
61	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	3.7	36

60	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, 3623-36	7	35
59	Environmental, hormonal and circadian regulation of crassulacean acid metabolism expression. <i>Functional Plant Biology</i> , 2002 , 29, 669-678	2.7	35
58	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	1.8	34
57	Identification of tissue-specific, abiotic stress-responsive gene expression patterns in wine grape (<i>Vitis vinifera</i> L.) based on curation and mining of large-scale EST data sets. <i>BMC Plant Biology</i> , 2011 , 11, 86	5.3	33
56	The bracteatus pineapple genome and domestication of clonally propagated crops. <i>Nature Genetics</i> , 2019 , 51, 1549-1558	36.3	32
55	POFs: what we don't know can hurt us. <i>Trends in Plant Science</i> , 2007 , 12, 492-496	13.1	31
54	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, 6745-6	20.1	30
53	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	8.4	30
52	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	3.6	28
51	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	6.2	26
50	Evolution of L-DOPA 4,5-dioxygenase activity allows for recurrent specialisation to betalain pigmentation in <i>Caryophyllales</i> . <i>New Phytologist</i> , 2020 , 227, 914-929	9.8	26
49	Transcriptional profiles of organellar metabolite transporters during induction of crassulacean acid metabolism in <i>Mesembryanthemum crystallinum</i> . <i>Functional Plant Biology</i> , 2005 , 32, 451-466	2.7	25
48	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, 1985-96	7	24
47	Orchestration of carbohydrate processing for crassulacean acid metabolism. <i>Current Opinion in Plant Biology</i> , 2016 , 31, 118-24	9.9	24
46	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, 123-31	2	20
45	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	11.6	19
44	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	2.4	19
43	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, 467-472	2.7	19

42	Salt Stress Leads to Differential Expression of Two Isozymes of Phosphoenolpyruvate Carboxylase during Crassulacean Acid Metabolism Induction in the Common Ice Plant. <i>Plant Cell</i> , 1989 , 1, 715	11.6	18
41	Laying the Foundation for Crassulacean Acid Metabolism (CAM) Biodesign: Expression of the C Metabolism Cycle Genes of CAM in. <i>Frontiers in Plant Science</i> , 2019 , 10, 101	6.2	17
40	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	4.7	17
39	Identification of Genes Encoding Enzymes Catalyzing the Early Steps of Carrot Polyacetylene Biosynthesis. <i>Plant Physiology</i> , 2018 , 178, 1507-1521	6.6	17
38	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, 70-8	2.6	16
37	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	4.6	16
36	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	2.4	16
35	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	3.9	15
34	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	6.2	14
33	Understanding trait diversity associated with crassulacean acid metabolism (CAM). <i>Current Opinion in Plant Biology</i> , 2019 , 49, 74-85	9.9	14
32	Understanding Vegetative Desiccation Tolerance Using Integrated Functional Genomics Approaches Within a Comparative Evolutionary Framework. <i>Ecological Studies</i> , 2011 , 307-338	1.1	14
31	Perspectives on the basic and applied aspects of crassulacean acid metabolism (CAM) research. <i>Plant Science</i> , 2018 , 274, 394-401	5.3	13
30	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	6.9	12
29	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	5	9
28	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, 783-99	4.7	9
27	Induction of Crassulacean Acid Metabolism—Molecular Aspects. <i>Advances in Photosynthesis and Respiration</i> , 2000 , 551-582	1.7	8
26	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	2.4	7
25	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,	6.3	6

24	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	3.6	6
23	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	3.6	6
22	Crassulacean acid metabolism: recent advances and future opportunities. <i>Functional Plant Biology</i> , 2005 , 32, 375-380	2.7	6
21	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	2.4	5
20	Divide and Conquer (DC) BLAST: fast and easy BLAST execution within HPC environments. <i>PeerJ</i> , 2017 , 5, e3486	3.1	5
19	Genomic adaptations of the green alga <i>Dunaliella salina</i> to life under high salinity. <i>Algal Research</i> , 2020 , 50, 101990	5	5
18	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	5
17	Light-responsive expression atlas reveals the effects of light quality and intensity in <i>Kalanchoe fedtschenkoi</i> , a plant with crassulacean acid metabolism. <i>GigaScience</i> , 2020 , 9,	7.6	4
16	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	7	4
15	Evaluation of Diverse Microalgal Species as Potential Biofuel Feedstocks Grown Using Municipal Wastewater. <i>Frontiers in Energy Research</i> , 2015 , 3,	3.8	4
14	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	3.9	4
13	Biosystems Design to Accelerate C3-to-CAM Progression. <i>Biodesign Research</i> , 2020 , 2020, 1-16	3.1	4
12	Induction of Crassulacean Acid Metabolism by Salinity - Molecular Aspects 2002 , 361-393		4
11	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	2.4	3
10	New perspectives on crassulacean acid metabolism biology. <i>Journal of Experimental Botany</i> , 2019 , 70, 6489-6493	7	3
9	Fast Pyrolysis of <i>Opuntia ficus-indica</i> (Prickly Pear) and <i>Grindelia squarrosa</i> (Gumweed). <i>Energy & Fuels</i> , 2018 , 32, 3510-3518	4.1	2
8	Simultaneous chloroplast, mitochondria isolation and mitochondrial protein preparation for two-dimensional electrophoresis analysis of Ice plant leaves under well watered and water-deficit stressed treatments. <i>Protein Expression and Purification</i> , 2019 , 155, 86-94	2	2
7	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	1.8	1

6	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, 717-731	2.7	1
5	Characterization of a microbial consortium with potential for biological degradation of cactus pear biomass for biofuel production. <i>Heliyon</i> , 2021 , 7, e07854	3.6	1
4	Strain Selection Strategies for Improvement of Algal Biofuel Feedstocks 173-189		1
3	Chapter 10 Climate Change Responses and Adaptations in Crassulacean Acid Metabolism (CAM) Plants. <i>Advances in Photosynthesis and Respiration</i> , 2021 , 283-329	1.7	0
2	Interview with John C. Cushman. <i>Trends in Plant Science</i> , 2014 , 19, 274-5	13.1	
1	C ₃ Photosynthesis to Crassulacean Acid Metabolism Shift in <i>Mesembryanthemum crystallinum</i> : A Stress Tolerance Mechanism 2004 , 241-244		