

Salim Al-Babili

List of Publications by Year in descending order

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131
papers

12,794
citations

31902

53
h-index

25716

108
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141
all docs

141
docs citations

141
times ranked

8907
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the Provitamin A (β -Carotene) Biosynthetic Pathway into (Carotenoid-Free) Rice Endosperm. <i>Science</i> , 2000, 287, 303-305.	6.0	2,067
2	The Path from β -Carotene to Carlactone, a Strigolactone-Like Plant Hormone. <i>Science</i> , 2012, 335, 1348-1351.	6.0	809
3	Strigolactones, a Novel Carotenoid-Derived Plant Hormone. <i>Annual Review of Plant Biology</i> , 2015, 66, 161-186.	8.6	658
4	The genome of <i>Chenopodium quinoa</i> . <i>Nature</i> , 2017, 542, 307-312.	13.7	569
5	Rice cytochrome P450 MAX1 homologs catalyze distinct steps in strigolactone biosynthesis. <i>Nature Chemical Biology</i> , 2014, 10, 1028-1033.	3.9	340
6	Golden Rice: Introducing the β -Carotene Biosynthesis Pathway into Rice Endosperm by Genetic Engineering to Defeat Vitamin A Deficiency. <i>Journal of Nutrition</i> , 2002, 132, 506S-510S.	1.3	322
7	The biology of strigolactones. <i>Trends in Plant Science</i> , 2013, 18, 72-83.	4.3	318
8	Metabolic Engineering of Potato Carotenoid Content through Tuber-Specific Overexpression of a Bacterial Mini-Pathway. <i>PLoS ONE</i> , 2007, 2, e350.	1.1	293
9	Provitamin A Accumulation in Cassava (<i>Manihot esculenta</i>) Roots Driven by a Single Nucleotide Polymorphism in a Phytoene Synthase Gene. <i>Plant Cell</i> , 2010, 22, 3348-3356.	3.1	259
10	A Third Phytoene Synthase Is Devoted to Abiotic Stress-Induced Abscisic Acid Formation in Rice and Defines Functional Diversification of Phytoene Synthase Genes. <i>Plant Physiology</i> , 2008, 147, 367-380.	2.3	247
11	Mechanistic Aspects of Carotenoid Biosynthesis. <i>Chemical Reviews</i> , 2014, 114, 164-193.	23.0	243
12	The Structure of a Retinal-Forming Carotenoid Oxygenase. <i>Science</i> , 2005, 308, 267-269.	6.0	242
13	Novel carotenoid cleavage dioxygenase catalyzes the first dedicated step in saffron crocin biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12246-12251.	3.3	239
14	Carotenoid oxygenases: cleave it or leave it. <i>Trends in Plant Science</i> , 2003, 8, 145-149.	4.3	231
15	A novel carotenoid cleavage activity involved in the biosynthesis of Citrus fruit-specific apocarotenoid pigments. <i>Journal of Experimental Botany</i> , 2013, 64, 4461-4478.	2.4	176
16	From carotenoids to strigolactones. <i>Journal of Experimental Botany</i> , 2018, 69, 2189-2204.	2.4	173
17	Golden Rice – five years on the road – five years to go?. <i>Trends in Plant Science</i> , 2005, 10, 565-573.	4.3	162
18	Bioengineered “golden” indica rice cultivars with β -carotene metabolism in the endosperm with hygromycin and mannose selection systems. <i>Plant Biotechnology Journal</i> , 2003, 1, 81-90.	4.1	160

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19	Microevolution in Cyanobacteria: Re-sequencing a Motile Substrain of <i>Synechocystis</i> sp. PCC 6803. <i>DNA Research</i> , 2012, 19, 435-448.	1.5	138
20	The endophytic fungus <i>Piriformospora indica</i> enhances <i>Arabidopsis thaliana</i> growth and modulates Na ⁺ /K ⁺ homeostasis under salt stress conditions. <i>Plant Science</i> , 2017, 263, 107-115.	1.7	124
21	Characterization of the rice carotenoid cleavage dioxygenase <i>chlH</i> reveals a novel route for geranyl biosynthesis. <i>FEBS Journal</i> , 2009, 276, 736-747.	2.2	122
22	Strigolactone biosynthesis is evolutionarily conserved, regulated by phosphate starvation and contributes to resistance against phytopathogenic fungi in a moss, <i>Physcomitrella patens</i> . <i>New Phytologist</i> , 2017, 216, 455-468.	3.5	121
23	Retinal biosynthesis in Eubacteria: in vitro characterization of a novel carotenoid oxygenase from <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Microbiology</i> , 2004, 55, 1015-1024.	1.2	119
24	A novel, soluble form of phytoene desaturase from <i>Narcissus pseudonarcissus</i> chromoplasts is Hsp70-complexed and competent for flavinylation, membrane association and enzymatic activation. <i>Plant Journal</i> , 1996, 9, 601-612.	2.8	118
25	Apocarotenoids Involved in Plant Development and Stress Response. <i>Frontiers in Plant Science</i> , 2019, 10, 1168.	1.7	116
26	The apocarotenoid metabolite zaxinone regulates growth and strigolactone biosynthesis in rice. <i>Nature Communications</i> , 2019, 10, 810.	5.8	113
27	Plant apocarotenoids: from retrograde signaling to interspecific communication. <i>Plant Journal</i> , 2021, 105, 351-375.	2.8	112
28	Î ² -Cyclocitral is a conserved root growth regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10563-10567.	3.3	111
29	Phytoene synthase from <i>Narcissus pseudonarcissus</i> : functional expression, galactolipid requirement, topological distribution in chromoplasts and induction during flowering. <i>Plant Journal</i> , 1996, 10, 781-792.	2.8	108
30	Why Is Golden Rice Golden (Yellow) Instead of Red?. <i>Plant Physiology</i> , 2005, 138, 441-450.	2.3	108
31	Tomato carotenoid cleavage dioxygenases 1A and 1B: Relaxed double bond specificity leads to a plenitude of dialdehydes, monoapocarotenoids and isoprenoid volatiles. <i>FEBS Open Bio</i> , 2014, 4, 584-593.	1.0	107
32	Engineering plant architecture via CRISPR/Cas9-mediated alteration of strigolactone biosynthesis. <i>BMC Plant Biology</i> , 2018, 18, 174.	1.6	106
33	Golden Indica and Japonica Rice Lines Amenable to Deregulation. <i>Plant Physiology</i> , 2003, 133, 161-169.	2.3	103
34	Identification of a novel gene coding for neoxanthin synthase from <i>Solanum tuberosum</i> . <i>FEBS Letters</i> , 2000, 485, 168-172.	1.3	90
35	Retinal Biosynthesis in Fungi: Characterization of the Carotenoid Oxygenase CarX from <i>Fusarium fujikuroi</i> . <i>Eukaryotic Cell</i> , 2007, 6, 650-657.	3.4	89
36	On the Structure and Function of the Phytoene Desaturase CRTI from <i>Pantoea ananatis</i> , a Membrane-Peripheral and FAD-Dependent Oxidase/Isomerase. <i>PLoS ONE</i> , 2012, 7, e39550.	1.1	87

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37	Carotenoid oxygenases involved in plant branching catalyse a highly specific conserved apocarotenoid cleavage reaction. <i>Biochemical Journal</i> , 2008, 416, 289-296.	1.7	86
38	Chloroplast Import of Four Carotenoid Biosynthetic Enzymes In Vitro Reveals Differential Fates Prior to Membrane Binding and Oligomeric Assembly. <i>FEBS Journal</i> , 1997, 247, 942-950.	0.2	85
39	Transcriptional-Metabolic Networks in Î²-Carotene-Enriched Potato Tubers: The Long and Winding Road to the Golden Phenotype. <i>Plant Physiology</i> , 2010, 154, 899-912.	2.3	83
40	The interaction of strigolactones with abscisic acid during the drought response in rice. <i>Journal of Experimental Botany</i> , 2018, 69, 2403-2414.	2.4	80
41	Enzymatic study on AtCCD4 and AtCCD7 and their potential to form acyclic regulatory metabolites. <i>Journal of Experimental Botany</i> , 2016, 67, 5993-6005.	2.4	79
42	Evidence That Cytochrome b559 Mediates the Oxidation of Reduced Plastoquinone in the Dark. <i>Journal of Biological Chemistry</i> , 2003, 278, 13554-13560.	1.6	77
43	Retinal is formed from apo-carotenoids in <i>Nostoc</i> sp. PCC7120: in vitro characterization of an apo-carotenoid oxygenase. <i>Biochemical Journal</i> , 2006, 398, 361-369.	1.7	76
44	Apocarotenoids: Old and New Mediators of the Arbuscular Mycorrhizal Symbiosis. <i>Frontiers in Plant Science</i> , 2019, 10, 1186.	1.7	74
45	On the substrate and stereospecificity of the plant carotenoid cleavage dioxygenase 7. <i>FEBS Letters</i> , 2014, 588, 1802-1807.	1.3	71
46	Suicidal germination as a control strategy for <i>Striga hermonthica</i> (Benth.) in smallholder farms of sub-Saharan Africa. <i>Plants People Planet</i> , 2019, 1, 107-118.	1.6	70
47	The Genome Sequence of the Wild Tomato <i>Solanum pimpinellifolium</i> Provides Insights Into Salinity Tolerance. <i>Frontiers in Plant Science</i> , 2018, 9, 1402.	1.7	69
48	Overexpression of the rice carotenoid cleavage dioxygenase 1 gene in Golden Rice endosperm suggests apocarotenoids as substrates in planta. <i>Planta</i> , 2010, 232, 691-699.	1.6	67
49	Anchorene is a carotenoid-derived regulatory metabolite required for anchor root formation in <i>Arabidopsis</i> . <i>Science Advances</i> , 2019, 5, eaaw6787.	4.7	67
50	The potato carotenoid cleavage dioxygenase 4 catalyzes a single cleavage of Î²-ionone ring-containing carotenes and non-epoxidated xanthophylls. <i>Archives of Biochemistry and Biophysics</i> , 2015, 572, 126-133.	1.4	65
51	Candidate Enzymes for Saffron Crocin Biosynthesis Are Localized in Multiple Cellular Compartments. <i>Plant Physiology</i> , 2018, 177, 990-1006.	2.3	64
52	On the substrate specificity of the rice strigolactone biosynthesis enzyme DWARF27. <i>Planta</i> , 2016, 243, 1429-1440.	1.6	61
53	In vitro characterization of a carotenoid cleavage dioxygenase from <i>Nostoc</i> sp. PCC 7120 reveals a novel cleavage pattern, cytosolic localization and induction by highlight. <i>Molecular Microbiology</i> , 2008, 69, 231-244.	1.2	60
54	Identification and biochemical characterization of a novel carotenoid oxygenase: elucidation of the cleavage step in the <i>Fusarium</i> carotenoid pathway. <i>Molecular Microbiology</i> , 2007, 64, 448-460.	1.2	59

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55	The Arabidopsis DWARF27 gene encodes an all-trans- β -carotene isomerase and is induced by auxin, abscisic acid and phosphate deficiency. <i>Plant Science</i> , 2018, 277, 33-42.	1.7	59
56	An alternative, zeaxanthin epoxidase-independent abscisic acid biosynthetic pathway in plants. <i>Molecular Plant</i> , 2022, 15, 151-166.	3.9	55
57	Cleavage oxygenases for the biosynthesis of trisporoids and other apocarotenoids in <i>Phycomyces</i> . <i>Molecular Microbiology</i> , 2011, 82, 199-208.	1.2	53
58	Insights into the formation of carlactone from in-depth analysis of the CCD-catalyzed reactions. <i>FEBS Letters</i> , 2017, 591, 792-800.	1.3	52
59	On the biosynthesis and evolution of apocarotenoid plant growth regulators. <i>Seminars in Cell and Developmental Biology</i> , 2021, 109, 3-11.	2.3	52
60	StrigoQuant: A genetically encoded biosensor for quantifying strigolactone activity and specificity. <i>Science Advances</i> , 2016, 2, e1601266.	4.7	51
61	The Lycopene Cyclase CrtY from <i>Pantoea ananatis</i> (Formerly <i>Erwinia uredovora</i>) Catalyzes an FADred-dependent Non-redox Reaction. <i>Journal of Biological Chemistry</i> , 2010, 285, 12109-12120.	1.6	50
62	Methyl phenlactonoates are efficient strigolactone analogs with simple structure. <i>Journal of Experimental Botany</i> , 2018, 69, 2319-2331.	2.4	50
63	Carotenoid biofortification in crop plants: citius, altius, fortius. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158664.	1.2	50
64	Identification of the gene responsible for torulene cleavage in the <i>Neurospora</i> carotenoid pathway. <i>Molecular Genetics and Genomics</i> , 2007, 278, 527-537.	1.0	49
65	The Apocarotenoid Zaxinone Is a Positive Regulator of Strigolactone and Abscisic Acid Biosynthesis in Arabidopsis Roots. <i>Frontiers in Plant Science</i> , 2020, 11, 578.	1.7	48
66	Exploring the potential of the bacterial carotene desaturase CrtI to increase the β -carotene content in Golden Rice. <i>Journal of Experimental Botany</i> , 2006, 57, 1007-1014.	2.4	47
67	Structural basis for specific inhibition of the highly sensitive Sh HTL γ 7 receptor. <i>EMBO Reports</i> , 2018, 19, .	2.0	47
68	Hemin and Magnesium-Protoporphyrin IX Induce Global Changes in Gene Expression in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2011, 155, 892-905.	2.3	46
69	The <i>ycf1</i> gene encodes an aldehyde dehydrogenase responsible for the last reaction in the <i>Neurospora</i> carotenoid pathway. <i>Molecular Microbiology</i> , 2008, 69, 1207-1220.	1.2	43
70	<i>Ustilago maydis</i> accumulates β -carotene at levels determined by a retinal-forming carotenoid oxygenase. <i>Fungal Genetics and Biology</i> , 2009, 46, 803-813.	0.9	43
71	A rapid LC-MS method for qualitative and quantitative profiling of plant apocarotenoids. <i>Analytica Chimica Acta</i> , 2018, 1035, 87-95.	2.6	42
72	Overexpression of the NAC transcription factor JUNGBRUNNEN1 (JUB1) increases salinity tolerance in tomato. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 113-121.	2.8	42

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73	The Trihelix transcription factor GT2-like 1 (GTL1) promotes salicylic acid metabolism, and regulates bacterial-triggered immunity. <i>PLoS Genetics</i> , 2018, 14, e1007708.	1.5	41
74	Novel apocarotenoid intermediates in <i>Neurospora crassa</i> mutants imply a new biosynthetic reaction sequence leading to neurosporaxanthin formation. <i>Fungal Genetics and Biology</i> , 2008, 45, 1497-1505.	0.9	40
75	The gene <i>carD</i> encodes the aldehyde dehydrogenase responsible for neurosporaxanthin biosynthesis in <i>Fusarium fujikuroi</i> . <i>FEBS Journal</i> , 2011, 278, 3164-3176.	2.2	39
76	Expression of a carotenogenic gene allows faster biomass production by redesigning plant architecture and improving photosynthetic efficiency in tobacco. <i>Plant Journal</i> , 2020, 103, 1967-1984.	2.8	39
77	3-Hydroxycaractone, a Novel Product of the Strigolactone Biosynthesis Core Pathway. <i>Molecular Plant</i> , 2018, 11, 1312-1314.	3.9	38
78	Current progress in <i>Striga</i> management. <i>Plant Physiology</i> , 2021, 185, 1339-1352.	2.3	37
79	Deviation of the neurosporaxanthin pathway towards β -carotene biosynthesis in <i>Fusarium fujikuroi</i> by a point mutation in the phytoene desaturase gene. <i>FEBS Journal</i> , 2009, 276, 4582-4597.	2.2	35
80	The ORF <i>slr0091</i> of <i>Synechocystis</i> sp. PCC 6803 encodes a high light induced aldehyde dehydrogenase converting apocarotenals and alkanals. <i>FEBS Journal</i> , 2013, 280, 3685-3696.	2.2	35
81	Putative storage root specific promoters from cassava and yam: cloning and evaluation in transgenic carrots as a model system. <i>Plant Cell Reports</i> , 2010, 29, 651-659.	2.8	30
82	Cleavage of resveratrol in fungi: Characterization of the enzyme Rco1 from <i>Ustilago maydis</i> . <i>Fungal Genetics and Biology</i> , 2011, 48, 132-143.	0.9	30
83	The <i>Mycobacterium tuberculosis</i> ORF <i>Rv0654</i> encodes a carotenoid oxygenase mediating central and eccentric cleavage of conventional and aromatic carotenoids. <i>FEBS Journal</i> , 2010, 277, 4662-4673.	2.2	29
84	<i>In vitro</i> characterization of <i>Synechocystis</i> CYP120A1 revealed the first nonanimal retinoic acid hydroxylase. <i>FEBS Journal</i> , 2009, 276, 5416-5431.	2.2	27
85	The Oxygenase CAO-1 of <i>Neurospora crassa</i> Is a Resveratrol Cleavage Enzyme. <i>Eukaryotic Cell</i> , 2013, 12, 1305-1314.	3.4	25
86	Emergent Protective Organogenesis in Date Palms: A Morpho-Devo-Dynamic Adaptive Strategy during Early Development. <i>Plant Cell</i> , 2019, 31, 1751-1766.	3.1	24
87	Efficient Mimics for Elucidating Zaxinone Biology and Promoting Agricultural Applications. <i>Molecular Plant</i> , 2020, 13, 1654-1661.	3.9	24
88	Analysis of al-2 Mutations in <i>Neurospora</i> . <i>PLoS ONE</i> , 2011, 6, e21948.	1.1	23
89	Synthetic strigolactone analogues reveal anti-cancer activities on hepatocellular carcinoma cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1077-1083.	1.0	23
90	Exploring the Diversity and Regulation of Apocarotenoid Metabolic Pathways in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 787049.	1.7	23

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91	Nitro-Phenlactone, a Carlactone Analog with Pleiotropic Strigolactone Activities. <i>Molecular Plant</i> , 2016, 9, 1341-1344.	3.9	22
92	Natural Auxin Does Not Inhibit Brefeldin A Induced PIN1 and PIN2 Internalization in Root Cells. <i>Frontiers in Plant Science</i> , 2019, 10, 574.	1.7	22
93	Carotenoid Biofortification of Crops in the CRISPR Era. <i>Trends in Biotechnology</i> , 2021, 39, 857-860.	4.9	22
94	Colonization by the endophyte <i>Piriformospora indica</i> leads to early flowering in <i>Arabidopsis thaliana</i> likely by triggering gibberellin biosynthesis. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1162-1167.	1.0	21
95	Lycopene β -cyclase expression influences plant physiology, development, and metabolism in tobacco plants. <i>Journal of Experimental Botany</i> , 2021, 72, 2544-2569.	2.4	21
96	SeedQuant: a deep learning-based tool for assessing stimulant and inhibitor activity on root parasitic seeds. <i>Plant Physiology</i> , 2021, 186, 1632-1644.	2.3	21
97	<i>Striga hermonthica</i> Suicidal Germination Activity of Potent Strigolactone Analogs: Evaluation from Laboratory Bioassays to Field Trials. <i>Plants</i> , 2022, 11, 1045.	1.6	21
98	Effect of the strigolactone analogs methyl phenlactonoates on spore germination and root colonization of arbuscular mycorrhizal fungi. <i>Heliyon</i> , 2018, 4, e00936.	1.4	20
99	Methylation at the C-3 in D-Ring of Strigolactone Analogs Reduces Biological Activity in Root Parasitic Plants and Rice. <i>Frontiers in Plant Science</i> , 2019, 10, 353.	1.7	20
100	Protocol for characterizing strigolactones released by plant roots. <i>STAR Protocols</i> , 2022, 3, 101352.	0.5	20
101	An LC-MS profiling method reveals a route for apocarotene glycosylation and shows its induction by high light stress in <i>Arabidopsis</i> . <i>Analyst</i> , 2019, 144, 1197-1204.	1.7	19
102	A New Series of Carlactonoic Acid Based Strigolactone Analogs for Fundamental and Applied Research. <i>Frontiers in Plant Science</i> , 2020, 11, 434.	1.7	19
103	A manipulation of carotenoid metabolism influence biomass partitioning and fitness in tomato. <i>Metabolic Engineering</i> , 2022, 70, 166-180.	3.6	19
104	Expression pattern conferred by a glutamic acid-rich protein gene promoter in field-grown transgenic cassava (<i>Manihot esculenta</i> Crantz). <i>Planta</i> , 2010, 231, 1413-1424.	1.6	18
105	Multi-omics approaches explain the growth-promoting effect of the apocarotenoid growth regulator zaxinone in rice. <i>Communications Biology</i> , 2021, 4, 1222.	2.0	18
106	A New Formulation for Strigolactone Suicidal Germination Agents, towards Successful Striga Management. <i>Plants</i> , 2022, 11, 808.	1.6	18
107	INDETERMINATE-DOMAIN 4 (IDD4) coordinates immune responses with plant-growth in <i>Arabidopsis thaliana</i> . <i>PLoS Pathogens</i> , 2019, 15, e1007499.	2.1	17
108	A Chimeric IDD4 Repressor Constitutively Induces Immunity in <i>Arabidopsis</i> via the Modulation of Salicylic Acid and Jasmonic Acid Homeostasis. <i>Plant and Cell Physiology</i> , 2019, 60, 1536-1555.	1.5	17

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109	Isoâ€anchorene is an endogenous metabolite that inhibits primary root growth in Arabidopsis. Plant Journal, 2021, 107, 54-66.	2.8	16
110	The <i>Arabidopsis</i> homolog of human G3BP1 is a key regulator of stomatal and apoplastic immunity. Life Science Alliance, 2018, 1, e201800046.	1.3	16
111	Strigolactone Biosynthesis and Signal Transduction. , 2019, , 1-45.		15
112	Discovery of a Nitric Oxide-Responsive Protein in Arabidopsis thaliana. Molecules, 2019, 24, 2691.	1.7	14
113	A Highly Sensitive SPE Derivatizationâ€UHPLCâ€MS Approach for Quantitative Profiling of Carotenoid-Derived Dialdehydes from Vegetables. Journal of Agricultural and Food Chemistry, 2019, 67, 5899-5907.	2.4	13
114	LCâ€MS-Based Profiling Provides New Insights into Apocarotenoid Biosynthesis and Modifications in Citrus Fruits. Journal of Agricultural and Food Chemistry, 2021, 69, 1842-1851.	2.4	12
115	Rational design of <i>Striga hermonthica</i>-specific seed germination inhibitors. Plant Physiology, 2022, 188, 1369-1384.	2.3	12
116	To Color or to Decolor: that Is the Question. Molecular Plant, 2019, 12, 1173-1175.	3.9	9
117	A RALDH-like enzyme involved in Fusarium verticillioides development. Fungal Genetics and Biology, 2016, 86, 20-32.	0.9	7
118	CATION-CHLORIDE CO-TRANSPORTER 1 (CCC1) Mediates Plant Resistance against <i>Pseudomonas syringae</i>. Plant Physiology, 2020, 182, 1052-1065.	2.3	7
119	A PLETHORA/PIN-FORMED/auxin network mediates prehaustorium formation in the parasitic plant <i>Striga hermonthica</i>. Plant Physiology, 2022, 189, 2281-2297.	2.3	7
120	Biosynthesis of Î²â€Carotene (Provitamin a) in Rice Endosperm Achieved by Genetic Engineering. Novartis Foundation Symposium, 2001, 236, 219-232.	1.2	6
121	A structural homologue of the plant receptor D14 mediates responses to strigolactones in the fungal phytopathogen <i>Cryphonectria parasitica</i>. New Phytologist, 2022, 234, 1003-1017.	3.5	6
122	A Protoplast-Based Bioassay to Quantify Strigolactone Activity in Arabidopsis Using StrigoQuant. Methods in Molecular Biology, 2021, 2309, 201-218.	0.4	5
123	Evaluation of the Biostimulant Activity of Zaxinone Mimics (MiZax) in Crop Plants. Frontiers in Plant Science, 0, 13, .	1.7	5
124	A Method for Extraction and LC-MS-Based Identification of Carotenoid-Derived Dialdehydes in Plants. Methods in Molecular Biology, 2020, 2083, 177-188.	0.4	4
125	Determination of In Vitro and In Vivo Activities of Plant Carotenoid Cleavage Oxygenases. Methods in Molecular Biology, 2020, 2083, 63-74.	0.4	3
126	Characterizing cytochrome P450 enzymes involved in plant apocarotenoid metabolism by using an engineered yeast system. Methods in Enzymology, 2022, , 527-552.	0.4	3

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127	Apocarotenoids produced from β -carotene by dioxygenases from <i>Mucor circinelloides</i> . <i>Microbiology</i> (United Kingdom), 2019, 165, 433-438.	0.7	2
128	High-energy-level metabolism and transport occur at the transition from closed to open flowers. <i>Plant Physiology</i> , 2022, 190, 319-339.	2.3	2
129	Effect of D-ring C-3 TM methylation of strigolactone analogs on their transcription regulating activity in rice. <i>Plant Signaling and Behavior</i> , 2019, 14, 1668234.	1.2	1
130	Ultrahigh TM Performance Liquid Chromatography TM Mass Spectrometry Analysis of Carotenoid TM Derived Hormones and Apocarotenoids in Plants. <i>Current Protocols</i> , 2022, 2, e375.	1.3	0
131	Screening for apocarotenoid plant growth regulators in <i>Arabidopsis</i> . <i>Methods in Enzymology</i> , 2022, , .	0.4	0