Jerry D Cohen

List of Publications by Year
in descending order

187 papers	13,359 citations	20817 60 h-index	25787 108 g-index
192 all docs	192 docs citations	192 times ranked	10602 citing authors

#	Article	IF	Citations
1	A Role for Flavin Monooxygenase-Like Enzymes in Auxin Biosynthesis. Science, 2001, 291, 306-309.	12.6	1,075
2	Auxin response factors ARF6 and ARF8 promote jasmonic acid production and flower maturation. Development (Cambridge), 2005, 132, 4107-4118.	2.5	608
3	PHYTOCHROME-INTERACTING FACTOR 4 (PIF4) regulates auxin biosynthesis at high temperature. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20231-20235.	7.1	562
4	Chemistry and Physiology of the Bound Auxins. Annual Review of Plant Physiology, 1982, 33, 403-430.	10.9	424
5	<i>Pseudomonas syringae</i> type III effector AvrRpt2 alters <i>Arabidopsis thaliana</i> auxin physiology. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20131-20136.	7.1	349
6	Interplay between MAMPâ€triggered and SAâ€mediated defense responses. Plant Journal, 2008, 53, 763-775.	5.7	318
7	<i>Arabidopsis ASA1</i>Is Important for Jasmonate-Mediated Regulation of Auxin Biosynthesis and Transport during Lateral Root Formation Â. Plant Cell, 2009, 21, 1495-1511.	6.6	312
8	¹³C₆-[Benzene Ring]-Indole-3-Acetic Acid. Plant Physiology, 1986, 80, 14-19.	4.8	246
9	<i>vanishing tassel2</i>Encodes a Grass-Specific Tryptophan Aminotransferase Required for Vegetative and Reproductive Development in Maize Â Â. Plant Cell, 2011, 23, 550-566.	6.6	246
10	Arabidopsis CaM Binding Protein CBP60g Contributes to MAMP-Induced SA Accumulation and Is Involved in Disease Resistance against Pseudomonas syringae. PLoS Pathogens, 2009, 5, e1000301.	4.7	242
11	Indole-3-Acetic Acid Biosynthesis in the Mutant Maize orange pericarp, a Tryptophan Auxotroph. Science, 1991, 254, 998-1000.	12.6	240
12	Genetic dissection of the role of ethylene in regulating auxin-dependent lateral and adventitious root formation in tomato. Plant Journal, 2010, 61, 3-15.	5.7	230
13	Rethinking Auxin Biosynthesis and Metabolism. Plant Physiology, 1995, 107, 323-329.	4.8	200
14	Regulation of Indole-3-Acetic Acid Biosynthetic Pathways in Carrot Cell Cultures. Plant Physiology, 1992, 100, 1346-1353.	4.8	198
15	Auxin levels at different stages of carrot somatic embryogenesis. Phytochemistry, 1992, 31, 1097-1103.	2.9	192
16	Biosynthesis, conjugation, catabolism and homeostasis of indole-3-acetic acid in Arabidopsis thaliana. Plant Molecular Biology, 2002, 50, 309-332.	3.9	191
17	Concentration and Metabolic Turnover of Indoles in Germinating Kernels of <i>Zea mays</i> L.. Plant Physiology, 1980, 65, 415-421.	4.8	178
18	A Rapid and Simple Procedure for Purification of Indole-3-Acetic Acid Prior to GC-SIM-MS Analysis. Plant Physiology, 1988, 86, 822-825.	4.8	178

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19	An Ethylene-Mediated Increase in Sensitivity to Auxin Induces Adventitious Root Formation in Flooded Rumex palustris Sm. Plant Physiology, 1996, 112, 1687-1692.	4.8	173
20	Conversion of Endogenous Indole-3-Butyric Acid to Indole-3-Acetic Acid Drives Cell Expansion in Arabidopsis Seedlings Â Â Â. Plant Physiology, 2010, 153, 1577-1586.	4.8	162
21	Fast, comprehensive online two-dimensional high performance liquid chromatography through the use of high temperature ultra-fast gradient elution reversed-phase liquid chromatography. Journal of Chromatography A, 2006, 1122, 123-137.	3.7	160
22	Evolutionary patterns in auxin action. Plant Molecular Biology, 2002, 49, 319-338.	3.9	157
23	Multiple Facets of<i>Arabidopsis</i>Seedling Development Require  Indole-3-Butyric Acidâ€“Derived Auxin. Plant Cell, 2011, 23, 984-999.	6.6	149
24	The shifting paradigms of auxin biosynthesis. Trends in Plant Science, 2014, 19, 44-51.	8.8	148
25	Convenient apparatus for the generation of small amounts of diazomethane. Journal of Chromatography A, 1984, 303, 193-196.	3.7	146
26	Title is missing!. Plant Molecular Biology, 2002, 49, 249-272.	3.9	145
27	The endoplasmic reticulum localized PIN8 is a pollenâ€specific auxin carrier involved in intracellular auxin homeostasis. Plant Journal, 2012, 71, 860-870.	5.7	140
28	Arabidopsis Monothiol Glutaredoxin, AtGRXS17, Is Critical for Temperature-dependent Postembryonic Growth and Development via Modulating Auxin Response. Journal of Biological Chemistry, 2011, 286, 20398-20406.	3.4	118
29	Auxin Biosynthesis and Metabolism. , 1995, , 39-65.		114
30	The Effect of Temperature, Photoperiod, and Light Quality on Gluconasturtiin Concentration in Watercress (Nasturtium officinaleR. Br.). Journal of Agricultural and Food Chemistry, 2006, 54, 328-334.	5.2	113
31	Measurement of Indole-3-Acetic Acid in Peach Fruits (Prunus persica L. Batsch cv Redhaven) during Development. Plant Physiology, 1987, 84, 491-494.	4.8	105
32	Analysis of Four-Way Two-Dimensional Liquid Chromatography-Diode Array Data:Â Application to Metabolomics. Analytical Chemistry, 2006, 78, 5559-5569.	6.5	102
33	Indole glucosinolate and auxin biosynthesis in Arabidopsis thaliana (L.) Heynh. glucosinolate mutants and the development of clubroot disease. Planta, 1999, 208, 409-419.	3.2	100
34	Indole-3-acetic Acid (IAA) and IAA Conjugates Applied to Bean Stem Sections. Plant Physiology, 1983, 73, 130-134.	4.8	98
35	Auxin Biosynthesis during Seed Germination in <i>Phaseolus vulgaris</i>. Plant Physiology, 1992, 100, 509-517.	4.8	96
36	Stable Isotope Labeling, <i>in Vivo</i>, of d- and l-Tryptophan Pools in <i>Lemna gibba</i> and the Low Incorporation of Label into Indole-3-Acetic Acid. Plant Physiology, 1991, 95, 1203-1208.	4.8	94

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37	Photo-regulation of the ratio of ester to free indole-3-acetic acid. Biochemical and Biophysical Research Communications, 1977, 79, 1219-1223.	2.1	92
38	Two genetically discrete pathways convert tryptophan to auxin: more redundancy in auxin biosynthesis. Trends in Plant Science, 2003, 8, 197-199.	8.8	92
39	A high-throughput method for the quantitative analysis of indole-3-acetic acid and other auxins from plant tissue. Analytical Biochemistry, 2008, 372, 177-188.	2.4	91
40	Isolation and Partial Characterization of the Major Amide-Linked Conjugate of Indole-3-Acetic Acid from <i>Phaseolus vulgaris</i> L.. Plant Physiology, 1986, 80, 99-104.	4.8	89
41	Red Light-Regulated Growth. Plant Physiology, 1991, 97, 352-358.	4.8	88
42	Loss of GSNOR1 Function Leads to Compromised Auxin Signaling and Polar Auxin Transport. Molecular Plant, 2015, 8, 1350-1365.	8.3	85
43	Identification and Quantitative Analysis of Indole-3-Acetyl-l-Aspartate from Seeds of Glycine max L.. Plant Physiology, 1982, 70, 749-753.	4.8	81
44	The bound auxins: Protection of indole-3-acetic acid from peroxidase-catalyzed oxidation. Planta, 1978, 139, 203-208.	3.2	74
45	Auxin metabolism in representative land PLANTS. American Journal of Botany, 1995, 82, 1514-1521.	1.7	72
46	A gene encoding a protein modified by the phytohormone indoleacetic acid. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1718-1723.	7.1	70
47	Protocol: High-throughput and quantitative assays of auxin and auxin precursors from minute tissue samples. Plant Methods, 2012, 8, 31.	4.3	70
48	Biosynthesis, conjugation, catabolism and homeostasis of indole-3-acetic acid in Arabidopsis thaliana. Plant Molecular Biology, 2002, 49, 249-72.	3.9	70
49	Microscale preparation of pentafluorobenzyl esters. Journal of Chromatography A, 1981, 209, 413-420.	3.7	69
50	LEAFY Controls Auxin Response Pathways in Floral Primordium Formation. Science Signaling, 2013, 6, ra23.	3.6	69
51	Metabolomics Reveals the Origins of Antimicrobial Plant Resins Collected by Honey Bees. PLoS ONE, 2013, 8, e77512.	2.5	69
52	Investigations on the Mechanism of the Brassinosteroid Response. Plant Physiology, 1983, 72, 691-694.	4.8	68
53	A high-throughput method for the quantitative analysis of auxins. Nature Protocols, 2010, 5, 1609-1618.	12.0	68
54	Quantification of Free Plus Conjugated Indoleacetic Acid in Arabidopsis Requires Correction for the Nonenzymatic Conversion of Indolic Nitriles. Plant Physiology, 1996, 111, 781-788.	4.8	67

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55	An auxin surge following fertilization in carrots: a mechanism for regulating plant totipotency. Planta, 2002, 214, 505-509.	3.2	67
56	Benzimidazolones and indoles as non-thiol farnesyltransferase inhibitors based on tipifarnib scaffold: synthesis and activity. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2918-2922.	2.2	67
57	BARREN INFLORESCENCE2 Interaction with ZmPIN1a Suggests a Role in Auxin Transport During Maize Inflorescence Development. Plant and Cell Physiology, 2009, 50, 652-657.	3.1	67
58	Regional variation in composition and antimicrobial activity of US propolis against Paenibacillus larvae and Ascosphaera apis. Journal of Invertebrate Pathology, 2015, 124, 44-50.	3.2	65
59	Evolutionary patterns in auxin action. Plant Molecular Biology, 2002, 49, 319-38.	3.9	65
60	Identification and quantification of three active auxins in different tissues of Tropaeolum majus. Physiologia Plantarum, 2002, 115, 320-329.	5.2	64
61	Indole-3-Acetic Acid Protein Conjugates: Novel Players in Auxin Homeostasis. Plant Biology, 2006, 8, 340-345.	3.8	64
62	The Genetic Network Controlling the <i>Arabidopsis</i> Transcriptional Response to <i>Pseudomonas syringae</i> pv. <i>maculicola</i>: Roles of Major Regulators and the Phytotoxin Coronatine. Molecular Plant-Microbe Interactions, 2008, 21, 1408-1420.	2.6	64
63	Evolutionary Patterns in the Auxin Metabolism of Green Plants. International Journal of Plant Sciences, 2000, 161, 849-859.	1.3	61
64	Auxin metabolism in mosses and liverworts. American Journal of Botany, 1999, 86, 1544-1555.	1.7	60
65	An in Vitro System from Maize Seedlings for Tryptophan-Independent Indole-3-Acetic Acid Biosynthesis1. Plant Physiology, 1999, 119, 173-178.	4.8	60
66	Low-Fluence Red Light Increases the Transport and Biosynthesis of Auxin Â Â Â. Plant Physiology, 2011, 157, 891-904.	4.8	60
67	Arabidopsis <i>IAR4</i> Modulates Auxin Response by Regulating Auxin Homeostasis. Plant Physiology, 2009, 150, 748-758.	4.8	59
68	Auxin Biosynthesis and Metabolism. , 2010, , 36-62.		59
69	Quantitation of Indoleacetic Acid Conjugates in Bean Seeds by Direct Tissue Hydrolysis. Plant Physiology, 1989, 90, 398-400.	4.8	58
70	The Arabidopsis P450 protein CYP82C2 modulates jasmonate-induced root growth inhibition, defense gene expression and indole glucosinolate biosynthesis. Cell Research, 2010, 20, 539-552.	12.0	58
71	Auxin-induced H+ Secretion in Helianthus and Its Implications. Plant Physiology, 1977, 60, 509-512.	4.8	55
72	Indole-3-Acetic Acid Metabolism in Lemna gibbaUndergoes Dynamic Changes in Response to Growth Temperature. Plant Physiology, 2002, 128, 1410-1416.	4.8	55

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73	Free and Conjugated Indole-3-Acetic Acid in Developing Bean Seeds. Plant Physiology, 1989, 91, 775-779.	4.8	54
74	Measurement of Indolebutyric Acid in Plant Tissues by Isotope Dilution Gas Chromatography-Mass Spectrometry Analysis. Plant Physiology, 1992, 99, 1719-1722.	4.8	54
75	A study on retention â€œprojectionâ€• as a supplementary means for compound identification by liquid chromatographyâ€"mass spectrometry capable of predicting retention with different gradients, flow rates, and instruments. Journal of Chromatography A, 2011, 1218, 6732-6741.	3.7	53
76	In vitro Tomato Fruit Cultures Demonstrate a Role for Indole-3-acetic Acid in Regulating Fruit Ripening. Journal of the American Society for Horticultural Science, 1996, 121, 520-524.	1.0	51
77	Endogenous Auxin and Ethylene in the Lichen <i>Ramalina duriaei</i>. Plant Physiology, 1986, 82, 1122-1125.	4.8	50
78	Microscale analysis of amino acids using gas chromatographyâ€"mass spectrometry after methyl chloroformate derivatization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2199-2208.	2.3	50
79	Role of coculture in human in vitro fertilization: a meta-analysis. Fertility and Sterility, 2008, 90, 1069-1076.	1.0	48
80	Title is missing!. Plant Growth Regulation, 2002, 36, 201-207.	3.4	47
81	Auxin Input Pathway Disruptions Are Mitigated by Changes in Auxin Biosynthetic Gene Expression in Arabidopsis Â Â. Plant Physiology, 2014, 165, 1092-1104.	4.8	47
82	Auxin producing nonâ€heterocystous Cyanobacteria and their impact on the growth and endogenous auxin homeostasis of wheat. Journal of Basic Microbiology, 2013, 53, 996-1003.	3.3	46
83	Comparison of a Commercial ELISA Assay for Indole-3-Acetic Acid at Several Stages of Purification and Analysis by Gas Chromatography-Selected Ion Monitoring-Mass Spectrometry Using a ¹³C₆-Labeled Internal Standard. Plant Physiology, 1987, 84, 982-986.	4.8	45
84	Identification of indole-3-butyric acid as an endogenous constituent of maize kernels and leaves. Plant Growth Regulation, 1989, 8, 215-223.	3.4	45
85	A Putative RNA-Binding Protein Positively Regulates Salicylic Acidâ€"Mediated Immunity in <i>Arabidopsis</i>. Molecular Plant-Microbe Interactions, 2010, 23, 1573-1583.	2.6	45
86	Age-related mechanism and its relationship with secondary metabolism and abscisic acid in Aristotelia chilensis plants subjected to drought stress. Plant Physiology and Biochemistry, 2018, 124, 136-145.	5.8	45
87	Abscisic acid is involved in phenolic compounds biosynthesis, mainly anthocyanins, in leaves of <i>Aristotelia chilensis</i> plants (Mol.) subjected to drought stress. Physiologia Plantarum, 2019, 165, 855-866.	5.2	45
88	4-chloroindole-3-acetic and indole-3-acetic acids in Pisum sativum. Phytochemistry, 1997, 46, 675-681.	2.9	44
89	Long-Term Inhibition by Auxin of Leaf Blade Expansion in Bean and Arabidopsis. Plant Physiology, 2004, 134, 1217-1226.	4.8	44
90	Measuring the turnover rates of Arabidopsis proteins using deuterium oxide: an auxin signaling case study. Plant Journal, 2010, 63, 680-695.	5.7	44

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91	Easy and accurate high-performance liquid chromatography retention prediction with different gradients, flow rates, and instruments by back-calculation of gradient and flow rate profiles. Journal of Chromatography A, 2011, 1218, 6742-6749.	3.7	44
92	Identification of Indole-3-Acetylglutamate from Seeds of Glycine max L. Plant Physiology, 1986, 80, 256-258.	4.8	42
93	Double-standard isotope dilution assay. Analytical Biochemistry, 1981, 112, 249-257.	2.4	41
94	Calcium Requirement for Indoleacetic Acid-induced Acidification by Avena Coleoptiles. Plant Physiology, 1976, 57, 347-350.	4.8	40
95	Amide-Linked Indoleacetic Acid Conjugates May Control Levels of Indoleacetic Acid in Germinating Seedlings of Phaseolus vulgaris. Plant Physiology, 1992, 100, 2002-2007.	4.8	40
96	<i>Arabidopsis ROOT UVB SENSITIVE2/WEAK AUXIN RESPONSE1</i>Is Required for Polar Auxin Transport Â. Plant Cell, 2010, 22, 1749-1761.	6.6	40
97	Levels of Indole-3-Acetic Acid in <i>Lemna gibba</i> G-3 and in a Large <i>Lemna</i> Mutant Regenerated from Tissue Culture. Plant Physiology, 1988, 86, 522-526.	4.8	39
98	GC-SIM-MS DETECTION AND QUANTIFICATION OF FREE INDOLE-3-ACETIC ACID IN BACTERIAL GALLS ON THE MARINE ALGA PRIONITIS LANCEOLATA (RHODOPHYTA). Journal of Phycology, 1999, 35, 493-500.	2.3	39
99	Title is missing!. Plant Growth Regulation, 1999, 27, 139-144.	3.4	39
100	Transport of Indole-3-Butyric Acid and Indole-3-Acetic Acid in Arabidopsis Hypocotyls Using Stable Isotope Labeling Â Â Â. Plant Physiology, 2012, 158, 1988-2000.	4.8	38
101	Auxins and polyamines in relation to differential in vitro root induction on microcuttings of two pear cultivars. Journal of Plant Growth Regulation, 1995, 14, 49-59.	5.1	37
102	An automated growth enclosure for metabolic labeling of Arabidopsis thaliana with 13C-carbon dioxide - an in vivo labeling system for proteomics and metabolomics research. Proteome Science, 2011, 9, 9.	1.7	37
103	Comparison of Benzyl Adenine Metabolism in Two <i>Petunia hybrida</i> Lines Differing in Shoot Organogenesis. Plant Physiology, 1992, 98, 1035-1041.	4.8	36
104	The gene for indole-3-acetyl-L-aspartic acid hydrolase from Enterobacter agglomeransâ€Š: molecular cloning, nucleotide sequence, and expression in Escherichia coli. Molecular Genetics and Genomics, 1998, 259, 172-178.	2.4	35
105	Auxin. New Comprehensive Biochemistry, 1999, , 115-140.	0.1	34
106	Proteome Scale-Protein Turnover Analysis Using High Resolution Mass Spectrometric Data from Stable-Isotope Labeled Plants. Journal of Proteome Research, 2016, 15, 851-867.	3.7	33
107	Design, synthesis, and activity of achiral analogs of 2-quinolones and indoles as non-thiol farnesyltransferase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2033-2039.	2.2	32
108	A microtechnique for the analysis of free and conjugated indole-3-acetic acid in milligram amounts of plant tissue using a benchtop gas chromatograph-mass spectrometer. Planta, 1997, 204, 1-7.	3.2	31

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109	Auxin Metabolism in Representative Land Plants. American Journal of Botany, 1995, 82, 1514.	1.7	30
110	The biosynthetic pathway for indole-3-acetic acid changes during tomato fruit development. Plant Growth Regulation, 2002, 38, 15-20.	3.4	29
111	Overexpression of Maize IAGLU in Arabidopsis thaliana Alters Plant Growth and Sensitivity to IAA but not IBA and 2,4-D. Journal of Plant Growth Regulation, 2005, 24, 127-141.	5.1	28
112	Investigations on the Nature of the Auxin-Wave in the Cambial Region of Pine Stems. Plant Physiology, 1987, 84, 135-143.	4.8	27
113	Red-light-regulated growth. Planta, 1998, 204, 207-211.	3.2	27
114	Redirection of tryptophan metabolism in tobacco by ectopic expression of an Arabidopsis indolic glucosinolate biosynthetic gene. Phytochemistry, 2011, 72, 37-48.	2.9	27
115	Synthesis of 14C-indole-3-acetyl-myo-inositol. Journal of Labelled Compounds and Radiopharmaceuticals, 1978, 15, 325-329.	1.0	26
116	A facile means for the identification of indolic compounds from plant tissues. Plant Journal, 2014, 79, 1065-1075.	5.7	26
117	Synthesis of 14C-labeled indole-3-acetylaspartic acid. Journal of Labelled Compounds and Radiopharmaceuticals, 1981, 18, 1393-1396.	1.0	24
118	Hydrolysis of Indole-3-Acetic Acid Esters Exposed to Mild Alkaline Conditions. Plant Physiology, 1989, 91, 9-12.	4.8	24
119	ROOT ULTRAVIOLET B-SENSITIVE1/WEAK AUXIN RESPONSE3 Is Essential for Polar Auxin Transport in Arabidopsis Â Â. Plant Physiology, 2013, 162, 965-976.	4.8	24
120	Conversion of Indole-3-Butyric Acid to Indole-3-Acetic Acid in Shoot Tissue of Hazelnut (Corylus) and Elm (Ulmus). Journal of Plant Growth Regulation, 2016, 35, 710-721.	5.1	24
121	Strawberry fruit protein with a novel indole-acyl modification. Planta, 2006, 224, 1015-1022.	3.2	23
122	3-Acyl dihydroflavonols from poplar resins collected by honey bees are active against the bee pathogens Paenibacillus larvae and Ascosphaera apis. Phytochemistry, 2017, 138, 83-92.	2.9	23
123	Indole-3-acetic acid, ethylene, and abscisic acid metabolism in developing muskmelon (Cucumis melo L.) fruit. Plant Growth Regulation, 1996, 19, 45-54.	3.4	22
124	A method for concurrent diazomethane synthesis and substrate methylation in a 96-sample format. Nature Protocols, 2010, 5, 1619-1626.	12.0	21
125	Title is missing!. Plant Growth Regulation, 1999, 27, 57-62.	3.4	20
126	Uptake and metabolism of benzyladenine during shoot organogenesis in Petunia leaf explants. Plant Growth Regulation, 1992, 11, 105-114.	3.4	19

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127	Easy and accurate calculation of programmed temperature gas chromatographic retention times by back-calculation of temperature and hold-up time profiles. Journal of Chromatography A, 2012, 1263, 179-188.	3.7	19
128	Biphasic control of cell expansion by auxin coordinates etiolated seedling development. Science Advances, 2022, 8, eabj1570.	10.3	19
129	Structural studies on monohalogenated derivatives of the phytohormone indole-3-acetic acid (auxin). Acta Crystallographica Section B: Structural Science, 1996, 52, 332-343.	1.8	18
130	Analytical History of Auxin. Journal of Plant Growth Regulation, 2015, 34, 708-722.	5.1	18
131	A Technique for Collection of Exudate from Pea Seedlings. Plant Physiology, 1985, 78, 734-738.	4.8	17
132	Transgenic Tomato Plants with a Modified Ability to Synthesize Indole-3-acetyl-Î²-1-O-D -glucose. Journal of Plant Growth Regulation, 2005, 24, 142-152.	5.1	17
133	Did auxin play a crucial role in the evolution of novel body plans during the Late Silurian-Early Devonian radiation of land plants?. , 2004, , 85-107.		16
134	Design and synthesis of o-trifluoromethylbiphenyl substituted 2-amino-nicotinonitriles as inhibitors of farnesyltransferase. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 153-158.	2.2	16
135	Rapid determination of free tryptophan in plant samples by gas chromatography-selected ion monitoring mass spectrometry. Journal of Chromatography A, 1992, 596, 294-298.	3.7	15
136	The Role of Auxin in Plant Embryogenesis. Plant Cell, 1993, 5, 1494.	6.6	14
137	Selective Isolation of Bacterial Antagonists of Botrytis cinerea. European Journal of Plant Pathology, 1999, 105, 95-101.	1.7	14
138	Evidence of 4-Cl-IAA and IAA Bound to Proteins in Pea Fruit and Seeds. Journal of Plant Growth Regulation, 2010, 29, 184-193.	5.1	14
139	Outcomes of day-1, day-3, and blastocyst cryopreserved embryo transfers. Fertility and Sterility, 2010, 93, 1353-1355.	1.0	14
140	An improved method for fast and selective separation of carotenoids by LCâ€"MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1067, 34-37.	2.3	14
141	Indole-3-acetylaspartate and indole-3-acetylglutamate, the IAA-amide conjugates in the diploid strawberry achene, are hydrolyzed in growing seedlings. Planta, 2019, 249, 1073-1085.	3.2	14
142	Biosynthesis, conjugation, catabolism and homeostasis of indole-3-acetic acid in Arabidopsis thaliana. , 2002, , 249-272.		13
143	Synthesis and activity of 1-aryl-1â€²-imidazolyl methyl ethers as non-thiol farnesyltransferase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5371-5376.	2.2	13
144	Synthesis and biological evaluation of 1-benzyl-5-(3-biphenyl-2-yl-propyl)-1H-imidazole as novel farnesyltransferase inhibitor. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5057-5062.	2.2	13

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145	Heterologous expression of IAP1, a seed protein from bean modified by indole-3-acetic acid, in Arabidopsis thaliana and Medicago truncatula. Planta, 2008, 227, 1047-1061.	3.2	13
146	<i>Unifoliataâ€Afila</i> interactions in pea leaf morphogenesis. American Journal of Botany, 2013, 100, 478-495.	1.7	13
147	Strongly Acidic Auxin Indole-3-Methanesulfonic Acid. Plant Physiology, 1985, 77, 195-199.	4.8	12
148	Microscale isolation technique for quantitative gas chromatography-mass spectrometry analysis of indole-3-acetic acid from cherry (prunus cerasus l.). Journal of Chromatography A, 1988, 442, 301-306.	3.7	12
149	Seasonal variation in glucosinolate accumulation in turnips grown under photoselective nettings. Horticulture Environment and Biotechnology, 2012, 53, 108-115.	2.1	12
150	Quantitative evaluation of IAA conjugate pools in Arabidopsis thaliana. Planta, 2015, 241, 539-548.	3.2	12
151	Metabolic signatures of Arabidopsis thaliana abiotic stress responses elucidate patterns in stress priming, acclimation, and recovery. Stress Biology, 2022, 2, 1.	3.1	12
152	Indole-3-acetic acid and indole-3-acetylaspartic acid isolated from seeds of Heracleum laciniatum Horn. Plant Growth Regulation, 1991, 10, 95-101.	3.4	11
153	His-404 and His-405 are Essential for Enzyme Catalytic Activities of a Bacterial Indole-3-Acetyl-l-Aspartic Acid Hydrolase. Plant and Cell Physiology, 2004, 45, 1335-1341.	3.1	11
154	Seasonal Variation in Glucosinolate Accumulation in Turnip Cultivars Grown with Colored Plastic Mulches. Hortscience: A Publication of the American Society for Hortcultural Science, 2011, 46, 1608-1614.	1.0	11
155	Structural studies on monofluorinated derivatives of the phytohormone indole-3-acetic acid (auxin). Acta Crystallographica Section B: Structural Science, 1996, 52, 651-661.	1.8	10
156	Changes in Gluconasturtiin Concentration in Chinese Cabbage with Increasing Cabbage Looper Density. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 1337-1340.	1.0	10
157	AUXIN METABOLISM IN RELATION TO FRUIT RIPENING. Acta Horticulturae, 1993, , 84-89.	0.2	9
158	Continuous light alters indole-3-acetic acid metabolism in lemna gibba. Phytochemistry, 1998, 49, 17-21.	2.9	9
159	Metabolic Patterns in Spirodela polyrhiza Revealed by 15N Stable Isotope Labeling of Amino Acids in Photoautotrophic, Heterotrophic, and Mixotrophic Growth Conditions. Frontiers in Chemistry, 2018, 6, 191.	3.6	9
160	Auxin-induced leaf blade expansion in Arabidopsis requires both wounding and detachment. Plant Signaling and Behavior, 2011, 6, 1997-2007.	2.4	8
161	Direct detection of surface localized specialized metabolites from Glycyrrhiza lepidota (American) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	8
162	Protocol: analytical methods for visualizing the indolic precursor network leading to auxin biosynthesis. Plant Methods, 2021, 17, 63.	4.3	8

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163	Evolutionary patterns in auxin action. , 2002, , 319-338.		8
164	Synthesis of 14C-labeled halogen substituted indole-3-acetic acids. Journal of Labelled Compounds and Radiopharmaceuticals, 1985, 22, 279-285.	1.0	7
165	Structural characterization and auxin properties of dichlorinated indole-3-acetic acids. Plant Growth Regulation, 1999, 27, 21-31.	3.4	7
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