

Jean W H Yong

List of Publications by Year in descending order

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96
papers

5,480
citations

109137

35
h-index

88477

70
g-index

99
all docs

99
docs citations

99
times ranked

6646
citing authors

#	ARTICLE	IF	CITATIONS
1	The Loss of Species: Mangrove Extinction Risk and Geographic Areas of Global Concern. PLoS ONE, 2010, 5, e10095.	1.1	969
2	Pressurized hot water extraction (PHWE). Journal of Chromatography A, 2010, 1217, 2484-2494.	1.8	439
3	The Chemical Composition and Biological Properties of Coconut (Cocos nucifera L.) Water. Molecules, 2009, 14, 5144-5164.	1.7	436
4	Impact of biochar application on nitrogen nutrition of rice, greenhouse-gas emissions and soil organic carbon dynamics in two paddy soils of China. Plant and Soil, 2013, 370, 527-540.	1.8	187
5	Simultaneous analysis of different classes of phytohormones in coconut (Cocos nucifera L.) water using high-performance liquid chromatography and liquid chromatography-tandem mass spectrometry after solid-phase extraction. Analytica Chimica Acta, 2008, 610, 274-281.	2.6	177
6	Control of axillary bud initiation and shoot architecture in Arabidopsis through the SUPERSHOOT gene. Genes and Development, 2001, 15, 1577-1588.	2.7	169
7	Arbuscular mycorrhizal fungi influence decomposition and the associated soil microbial community under different soil phosphorus availability. Soil Biology and Biochemistry, 2018, 120, 181-190.	4.2	127
8	Enhanced allelopathy and competitive ability of invasive plant Solidago canadensis in its introduced range. Journal of Plant Ecology, 2013, 6, 253-263.	1.2	122
9	The origin, diversification and adaptation of a major mangrove clade (Rhizophoraceae) revealed by whole-genome sequencing. National Science Review, 2017, 4, 721-734.	4.6	118
10	Effects of Elevated [CO ₂] and Nitrogen Nutrition on Cytokinins in the Xylem Sap and Leaves of Cotton. Plant Physiology, 2000, 124, 767-780.	2.3	115
11	Kandelia obovata (Rhizophoraceae), a new mangrove species from Eastern Asia. Taxon, 2003, 52, 287-294.	0.4	113
12	Identification of kinetin and kinetin riboside in coconut (Cocos nucifera L.) water using a combined approach of liquid chromatography-tandem mass spectrometry, high performance liquid chromatography and capillary electrophoresis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 829, 26-34.	1.2	95
13	Emerging green technologies for the chemical standardization of botanicals and herbal preparations. TrAC - Trends in Analytical Chemistry, 2013, 50, 1-10.	5.8	91
14	¹⁸ O Spatial Patterns of Vein Xylem Water, Leaf Water, and Dry Matter in Cotton Leaves. Plant Physiology, 2002, 130, 1008-1021.	2.3	90
15	Evaluation of the extraction efficiency of thermally labile bioactive compounds in Gastrodia elata Blume by pressurized hot water extraction and microwave-assisted extraction. Journal of Chromatography A, 2008, 1182, 34-40.	1.8	76
16	Determination of nucleosides and nucleobases in different species of Cordyceps by capillary electrophoresis-mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 307-314.	1.4	72
17	Validation of green-solvent extraction combined with chromatographic chemical fingerprint to evaluate quality of <i>Stevia rebaudiana</i> Bertoni. Journal of Separation Science, 2009, 32, 613-622.	1.3	69
18	Evaluation of models of leaf water ¹⁸ O enrichment using measurements of spatial patterns of vein xylem water, leaf water and dry matter in maize leaves. Plant, Cell and Environment, 2003, 26, 1479-1495.	2.8	68

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19	Stomatal responses to changes in vapour pressure difference between leaf and air. <i>Plant, Cell and Environment</i> , 1997, 20, 1213-1216.	2.8	64
20	Effect of fertilizer application on photosynthesis and oil yield of <i>Jatropha curcas</i> L.. <i>Photosynthetica</i> , 2010, 48, 208-218.	0.9	64
21	Kinetin riboside preferentially induces apoptosis by modulating Bcl-2 family proteins and caspase-3 in cancer cells. <i>Cancer Letters</i> , 2008, 261, 37-45.	3.2	61
22	Analysis of phytohormones in vermicompost using a novel combinative sample preparation strategy of ultrasound-assisted extraction and solid-phase extraction coupled with liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2015, 139, 189-197.	2.9	61
23	Analytical methods for cytokinins. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 323-335.	5.8	58
24	Frass derived from black soldier fly larvae treatment of biodegradable wastes. A critical review and future perspectives. <i>Waste Management</i> , 2022, 142, 65-76.	3.7	55
25	Testing a global standard for quantifying species recovery and assessing conservation impact. <i>Conservation Biology</i> , 2021, 35, 1833-1849.	2.4	51
26	Analysis of some cytokinins in coconut (<i>Cocos nucifera</i> L.) water by micellar electrokinetic capillary chromatography after solid-phase extraction. <i>Journal of Chromatography A</i> , 2004, 1048, 119-126.	1.8	50
27	Analyses of gibberellins by capillary electrophoresis-mass spectrometry combined with solid-phase extraction. <i>Journal of Chromatography A</i> , 2007, 1159, 242-249.	1.8	50
28	Mass spectrometric evidence for the occurrence of plant growth promoting cytokinins in vermicompost tea. <i>Biology and Fertility of Soils</i> , 2014, 50, 401-403.	2.3	49
29	Determination of cytokinins in coconut (<i>Cocos nucifera</i> L.) water using capillary zone electrophoresis-tandem mass spectrometry. <i>Electrophoresis</i> , 2006, 27, 2171-2181.	1.3	47
30	Determination of metabolites in <i>Uncaria sinensis</i> by HPLC and GC-MS after green solvent microwave-assisted extraction. <i>Talanta</i> , 2011, 83, 891-898.	2.9	43
31	The Bacterial Microbiome Associated With Arid Biocrusts and the Biogeochemical Influence of Biocrusts Upon the Underlying Soil. <i>Frontiers in Microbiology</i> , 2019, 10, 2143.	1.5	42
32	Supplementary Calcium Restores Peanut (<i>Arachis hypogaea</i>) Growth and Photosynthetic Capacity Under Low Nocturnal Temperature. <i>Frontiers in Plant Science</i> , 2019, 10, 1637.	1.7	42
33	Analysis of cytokinin nucleotides in coconut (<i>Cocos nucifera</i> L.) water using capillary zone electrophoresis-tandem mass spectrometry after solid-phase extraction. <i>Journal of Chromatography A</i> , 2006, 1133, 322-331.	1.8	41
34	Phosphorus-fertilisation has differential effects on leaf growth and photosynthetic capacity of <i>Arachis hypogaea</i> L.. <i>Plant and Soil</i> , 2020, 447, 99-116.	1.8	41
35	The Importance of Phytohormones and Microbes in Biofertilizers. <i>Sustainable Development and Biodiversity</i> , 2015, , 105-158.	1.4	41
36	Growth and photosynthesis of <i>Oncidium â€œGoldianaâ€œ</i> ™. <i>The Journal of Horticultural Science</i> , 1994, 69, 809-819.	0.3	37

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37	A novel method of protein extraction from yeast using ionic liquid solution. <i>Talanta</i> , 2010, 81, 1861-1864.	2.9	37
38	Analysis of some cytokinins in coconut (<i>Cocos nucifera</i> L.) water by micellar electrokinetic capillary chromatography after solid-phase extraction. <i>Journal of Chromatography A</i> , 2004, 1048, 119-126.	1.8	37
39	An Invasive Plant Promotes Its Arbuscular Mycorrhizal Symbioses and Competitiveness through Its Secondary Metabolites: Indirect Evidence from Activated Carbon. <i>PLoS ONE</i> , 2014, 9, e97163.	1.1	37
40	Bizonoplast, a unique chloroplast in the epidermal cells of microphylls in the shade plant <i>Selaginella erythropus</i> (Selaginellaceae). <i>American Journal of Botany</i> , 2007, 94, 1922-1929.	0.8	33
41	Mechanisms underlying enhanced Cd translocation and tolerance in roots of <i>Populus euramericana</i> in response to nitrogen fertilization. <i>Plant Science</i> , 2019, 287, 110206.	1.7	33
42	Analysis of positional isomers of hydroxylated aromatic cytokinins by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2005, 26, 1768-1777.	1.3	32
43	Public Perceptions of Mangrove Forests Matter for Their Conservation. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	32
44	Legumes Can Increase Cadmium Contamination in Neighboring Crops. <i>PLoS ONE</i> , 2012, 7, e42944.	1.1	31
45	Determination of gastrodin and vanillyl alcohol in <i>Gastrodia elata</i> Blume by pressurized liquid extraction at room temperature. <i>Journal of Separation Science</i> , 2007, 30, 2130-2137.	1.3	28
46	Analyses of gibberellins in coconut (<i>Cocos nucifera</i> L.) water by partial filling micellar electrokinetic chromatography-mass spectrometry with reversal of electroosmotic flow. <i>Electrophoresis</i> , 2008, 29, 2126-2134.	1.3	28
47	Higher Atmospheric CO ₂ Levels Favor C ₃ Plants Over C ₄ Plants in Utilizing Ammonium as a Nitrogen Source. <i>Frontiers in Plant Science</i> , 2020, 11, 537443.	1.7	27
48	On the morphology and molecular basis of segregation of <i>Ceriops zippeliana</i> and <i>C. decandra</i> (<i>Rhizophoraceae</i>) from Asia. <i>Blumea: Journal of Plant Taxonomy and Plant Geography</i> , 2009, 54, 220-227.	0.1	27
49	Rhizobium-induced elevation in xylem cytokinin delivery in pigeonpea induces changes in shoot development and leaf physiology. <i>Functional Plant Biology</i> , 2014, 41, 1323.	1.1	26
50	Promotion of shoot development and tuberisation in potato by expression of a chimaeric cytokinin synthesis gene at normal and elevated CO ₂ levels. <i>Functional Plant Biology</i> , 2010, 37, 43.	1.1	24
51	An environmentally friendly approach to treat oil spill: Investigating the biodegradation of petrodiesel in the presence of different biodiesels. <i>Fuel</i> , 2015, 139, 523-528.	3.4	24
52	The Physiological Functionality of PGR5/PGRL1-Dependent Cyclic Electron Transport in Sustaining Photosynthesis. <i>Frontiers in Plant Science</i> , 2021, 12, 702196.	1.7	24
53	Effects of root restriction on growth and associated cytokinin levels in cotton (<i>Gossypium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	1.1	23
54	Surfactant-assisted pressurized liquid extraction for determination of flavonoids from <i>Costus speciosus</i> by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2011, 34, 462-468.	1.3	23

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55	Harnessing Synergistic Biostimulatory Processes: A Plausible Approach for Enhanced Crop Growth and Resilience in Organic Farming. <i>Biology</i> , 2022, 11, 41.	1.3	23
56	The Importance of Photoassimilate Contribution from the Current Shoot and Connected Back Shoots to Inflorescence Size in the Thin-Leaved Sympodial Orchid <i>Oncidium Goldiana</i> . <i>International Journal of Plant Sciences</i> , 1995, 156, 450-459.	0.6	22
57	Partitioning of ¹⁴ C Assimilates between Sources and Sinks During Different Growth Stages in the Sympodial Thin-Leaved Orchid <i>Oncidium Goldiana</i> . <i>International Journal of Plant Sciences</i> , 1995, 156, 188-196.	0.6	20
58	The Significance of Chloroplast NAD(P)H Dehydrogenase Complex and Its Dependent Cyclic Electron Transport in Photosynthesis. <i>Frontiers in Plant Science</i> , 2021, 12, 661863.	1.7	20
59	The Production of Cytokinin, Abscisic Acid and Auxin by CAM Orchid Aerial Roots. <i>Journal of Plant Physiology</i> , 1995, 147, 371-377.	1.6	19
60	Exogenous Calcium Alleviates Nocturnal Chilling-Induced Feedback Inhibition of Photosynthesis by Improving Sink Demand in Peanut (<i>Arachis hypogaea</i>). <i>Frontiers in Plant Science</i> , 2020, 11, 607029.	1.7	19
61	Inhibitory effect of kinetin riboside in human hepatoma, HepG2. <i>Molecular BioSystems</i> , 2009, 5, 91-98.	2.9	18
62	Analyses of Phytohormones in Coconut (<i>Cocos Nucifera</i> L.) Water Using Capillary Electrophoresis-Tandem Mass Spectrometry. <i>Chromatography (Basel)</i> , 2014, 1, 211-226.	1.2	18
63	Mangrove Biogeography of the Indo-Pacific. <i>Tasks for Vegetation Science</i> , 2019, , 379-400.	0.6	18
64	Gigantic chloroplasts, including bizonoplasts, are common in shade-adapted species of the ancient vascular plant family Selaginellaceae. <i>American Journal of Botany</i> , 2020, 107, 562-576.	0.8	17
65	Effects of super-elevated CO ₂ on the growth and carboxylating enzymes in an epiphytic CAM orchid plantlet. <i>Journal of Plant Physiology</i> , 1997, 151, 129-136.	1.6	16
66	Glutamate over-accumulation may serve as an endogenous indicator of tricarboxylic acid (TCA) cycle suppression under NH ₄ ⁺ nutrition in wheat (<i>Triticum aestivum</i> L.) seedlings. <i>Environmental and Experimental Botany</i> , 2020, 177, 104130.	2.0	16
67	CE for cytokinin analyses: A review. <i>Electrophoresis</i> , 2006, 27, 4779-4791.	1.3	15
68	Separation of cytokinin isomers with a partial filling micellar electrokinetic chromatography-mass spectrometry approach. <i>Electrophoresis</i> , 2008, 29, 2024-2032.	1.3	15
69	Arsenic hyperaccumulation by <i>Pteris vittata</i> and <i>Pityrogramma calomelanos</i> : a comparative study of uptake efficiency in arsenic-treated soils and waters. <i>Water Science and Technology</i> , 2010, 61, 3041-3049.	1.2	15
70	Microbial inoculation to improve plant performance in mine waste substrates: A test using pigeon pea (<i>Cajanus cajan</i>). <i>Land Degradation and Development</i> , 2022, 33, 497-511.	1.8	15
71	A protocol for in vitro germination and sustainable growth of two tropical mistletoes. <i>Plant Cell, Tissue and Organ Culture</i> , 2005, 80, 221-228.	1.2	14
72	Determination of Flavonoids in <i>Costus speciosus</i> and <i>Etingera elatior</i> by Liquid Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 2012, 45, 345-355.	1.0	14

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73	Comparative systematic study of colleters and stipules of Rhizophoraceae with implications for adaptation to challenging environments. <i>Botanical Journal of the Linnean Society</i> , 2013, 172, 449-464.	0.8	12
74	<i>Bruguiera hainesii</i> , a critically endangered mangrove species, is a hybrid between <i>B. cylindrica</i> and <i>B. gymnorhiza</i> (Rhizophoraceae). <i>Conservation Genetics</i> , 2016, 17, 1137-1144.	0.8	12
75	Mycorrhizal symbiosis reprograms ion fluxes and fatty acid metabolism in wild jujube during salt stress. <i>Plant Physiology</i> , 2022, 189, 2481-2499.	2.3	12
76	Restoration ecophysiology: an ecophysiological approach to improve restoration strategies and outcomes in severely disturbed landscapes. <i>Restoration Ecology</i> , 2022, 30, e13571.	1.4	11
77	Metabolomics analysis of major metabolites in medicinal herbs. <i>Analytical Methods</i> , 2011, 3, 2898.	1.3	10
78	Leaf structure affects a plant's appearance: combined multiple-mechanisms intensify remarkable foliar variegation. <i>Journal of Plant Research</i> , 2017, 130, 311-325.	1.2	10
79	<i>Axonopus compressus</i> (Sw.) Beauv.: A potential biomonitor for molybdenum in soil pollution. <i>International Journal of Phytoremediation</i> , 2018, 20, 1363-1368.	1.7	10
80	Global patterns of mangrove extinction risk: implications for ecosystem services and biodiversity loss. , 2014, , 15-36.		9
81	Determination of Metabolites from <i>Scutellaria baicalensis</i> by GC/MS and ¹ H NMR. <i>Analytical Letters</i> , 2013, 46, 1937-1950.	1.0	8
82	The importance of phytohormones and microbes in biostimulants: mass spectrometric evidence and their positive effects on plant growth. <i>Acta Horticulturae</i> , 2016, , 49-60.	0.1	8
83	Progress and development of analytical methods for gibberellins. <i>Journal of Separation Science</i> , 2017, 40, 346-360.	1.3	8
84	Molecular phylogeny and evidence for natural hybridization and historical introgression between <i>Ceriops</i> species (Rhizophoraceae). <i>Biochemical Systematics and Ecology</i> , 2012, 43, 178-191.	0.6	7
85	Integrating organic chemical-based socio-scientific issues comics into chemistry classroom: expanding chemists' toolbox. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 689-699.	2.1	7
86	Arsenic exposure from drinking water and mortality in Bangladesh. <i>Lancet, The</i> , 2010, 376, 1641-1642.	6.3	6
87	Analyses of Indole Compounds in Sugar Cane (<i>Saccharum officinarum</i> L.) Juice by High Performance Liquid Chromatography and Liquid Chromatography-Mass Spectrometry after Solid-Phase Extraction. <i>Separations</i> , 2017, 4, 7.	1.1	5
88	Simultaneous extraction, separation, isolation and identification of endogenous components from <i>Etilingera elatior</i> by pressurized matrix solid-phase dispersion using liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1611, 460604.	1.8	3
89	ISFET Biosensors for In Situ Measurement of pH in Plants. <i>HKIE Transactions</i> , 2007, 14, 18-22.	1.9	2
90	<i>Pityrogramma calomelanos</i> (L.) Link: Silver fern as a copper excluder plant. <i>Tropical Plant Research</i> , 2019, 6, 338-344.	0.4	2

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91	Growing together gives more rice and aquatic food. <i>ELife</i> , 2022, 11, .	2.8	2
92	Ethological evidence of adaptive predation of Oriental Pied Hornbill (<i>Anthracoceros albirostris</i>) on farmed swiftlet (<i>Aerodramus</i> spp.) in Kalabakan, Sabah, Malaysia. <i>Acta Ecologica Sinica</i> , 2022, 42, 255-258.	0.9	1
93	Cytokinins: Progress and Developments in Analytical Methods. , 2010, , 114-129.		1
94	Biological Functionalities of Green. , 2015, , 60-69.		0
95	OBITUARY Dr. Ong Jin Eong (August 28, 1943â€“August 5, 2021). <i>Estuarine, Coastal and Shelf Science</i> , 2022, 266, 107746.	0.9	0
96	GROWTH RESPONSE OF <i>Heritiera simplicifolia</i> (Mast.) Kosterm. AND <i>Scaphium macropodum</i> (Miq.) BeumÃ© ex Heyne DUE TO ABIOTIC FACTORS IN THE NURSERY. , 2022, 51, 9-21.		0