Peer M. Schenk

List of Publications by Year
in descending order

197 papers	19,893 citations	16411 64 h-index	11581 135 g-index
206 all docs	206 docs citations	206 times ranked	20311 citing authors

#	Article	IF	Citations
1	Second Generation Biofuels: High-Efficiency Microalgae for Biodiesel Production. Bioenergy Research, 2008, 1, 20-43.	2.2	1,932
2	Coordinated plant defense responses in Arabidopsis revealed by microarray analysis. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11655-11660.	3.3	1,293
3	Antagonistic Interaction between Abscisic Acid and Jasmonate-Ethylene Signaling Pathways Modulates Defense Gene Expression and Disease Resistance in Arabidopsis. Plant Cell, 2004, 16, 3460-3479.	3.1	1,017
4	MYC2 Differentially Modulates Diverse Jasmonate-Dependent Functions inArabidopsis. Plant Cell, 2007, 19, 2225-2245.	3.1	947
5	High Lipid Induction in Microalgae for Biodiesel Production. Energies, 2012, 5, 1532-1553.	1.6	722
6	Repressor- and Activator-Type Ethylene Response Factors Functioning in Jasmonate Signaling and Disease Resistance Identified via a Genome-Wide Screen of Arabidopsis Transcription Factor Gene Expression. Plant Physiology, 2005, 139, 949-959.	2.3	540
7	Global Plant Stress Signaling: Reactive Oxygen Species at the Cross-Road. Frontiers in Plant Science, 2016, 7, 187.	1.7	493
8	Emerging microbial biocontrol strategies for plant pathogens. Plant Science, 2018, 267, 102-111.	1.7	490
9	Inner Plant Values: Diversity, Colonization and Benefits from Endophytic Bacteria. Frontiers in Microbiology, 2017, 8, 2552.	1.5	488
10	Microalgal biofactories: a promising approach towards sustainable omega-3 fatty acid production. Microbial Cell Factories, 2012, 11, 96.	1.9	438
11	Microbiome-Mediated Stress Resistance in Plants. Trends in Plant Science, 2020, 25, 733-743.	4.3	347
12	Improved Photobiological H2 Production in Engineered Green Algal Cells. Journal of Biological Chemistry, 2005, 280, 34170-34177.	1.6	316
13	Engineering photosynthetic light capture: impacts on improved solar energy to biomass conversion. Plant Biotechnology Journal, 2007, 5, 802-814.	4.1	313
14	Plants can use protein as a nitrogen source without assistance from other organisms. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4524-4529.	3.3	296
15	The Mediator Complex Subunit PFT1 Is a Key Regulator of Jasmonate-Dependent Defense inArabidopsisÂ Â. Plant Cell, 2009, 21, 2237-2252.	3.1	292
16	The Fusarium mycotoxin deoxynivalenol elicits hydrogen peroxide production, programmed cell death and defence responses in wheat. Molecular Plant Pathology, 2008, 9, 435-445.	2.0	236
17	Comparison of Microalgae Cultivation in Photobioreactor, Open Raceway Pond, and a Two-Stage Hybrid System. Frontiers in Energy Research, 2016, 4, .	1.2	231
18	Plant Microbiome Engineering: Expected Benefits for Improved Crop Growth and Resilience. Trends in Biotechnology, 2020, 38, 1385-1396.	4.9	225

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19	Linking Jasmonic Acid Signaling, Root Exudates, and Rhizosphere Microbiomes. Molecular Plant-Microbe Interactions, 2015, 28, 1049-1058.	1.4	221
20	Heterotrimeric G Proteins Facilitate Arabidopsis Resistance to Necrotrophic Pathogens and Are Involved in Jasmonate Signaling. Plant Physiology, 2006, 140, 210-220.	2.3	210
21	MEDIATOR25 Acts as an Integrative Hub for the Regulation of Jasmonate-Responsive Gene Expression in Arabidopsis Â Â. Plant Physiology, 2012, 160, 541-555.	2.3	207
22	Towards sustainable sources for omega-3 fatty acids production. Current Opinion in Biotechnology, 2014, 26, 14-18.	3.3	204
23	Pathogen-Responsive Expression of a Putative ATP-Binding Cassette Transporter Gene Conferring Resistance to the Diterpenoid Sclareol Is Regulated by Multiple Defense Signaling Pathways in Arabidopsis. Plant Physiology, 2003, 133, 1272-1284.	2.3	194
24	A comparative study: the impact of different lipid extraction methods on current microalgal lipid research. Microbial Cell Factories, 2014, 13, 14.	1.9	187
25	Unraveling plantâ€“microbe interactions: can multi-species transcriptomics help?. Trends in Biotechnology, 2012, 30, 177-184.	4.9	179
26	Evidence for the plant recruitment ofÂbeneficial microbes toÂsuppress soilâ€borne pathogens. New Phytologist, 2021, 229, 2873-2885.	3.5	168
27	Towards the implementation of sustainable biofuel production systems. Renewable and Sustainable Energy Reviews, 2019, 107, 250-263.	8.2	167
28	Activation of the Jasmonic Acid Plant Defence Pathway Alters the Composition of Rhizosphere Bacterial Communities. PLoS ONE, 2013, 8, e56457.	1.1	163
29	Systemic Gene Expression in Arabidopsis during an Incompatible Interaction with Alternaria brassicicola Â Â. Plant Physiology, 2003, 132, 999-1010.	2.3	160
30	Heterotrimeric G proteinsâ€mediated resistance to necrotrophic pathogens includes mechanisms independent of salicylic acidâ€, jasmonic acid/ethyleneâ€and abscisic acidâ€mediated defense signaling. Plant Journal, 2009, 58, 69-81.	2.8	149
31	Auxin Signaling and Transport Promote Susceptibility to the Root-Infecting Fungal Pathogen Fusarium oxysporum in Arabidopsis. Molecular Plant-Microbe Interactions, 2011, 24, 733-748.	1.4	146
32	Profiling of carotenoids and antioxidant capacity of microalgae from subtropical coastal and brackish waters. Food Chemistry, 2014, 165, 300-306.	4.2	143
33	Application of metatranscriptomics to soil environments. Journal of Microbiological Methods, 2012, 91, 246-251.	0.7	142
34	Isolation and Evaluation of Oil-Producing Microalgae from Subtropical Coastal and Brackish Waters. PLoS ONE, 2012, 7, e40751.	1.1	142
35	Ethylene Response Factor 6 Is a Regulator of Reactive Oxygen Species Signaling in Arabidopsis. PLoS ONE, 2013, 8, e70289.	1.1	138
36	Transcriptome for Photobiological Hydrogen Production Induced by Sulfur Deprivation in the Green Alga Chlamydomonas reinhardtii. Eukaryotic Cell, 2008, 7, 1965-1979.	3.4	136

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37	Microalgae Isolation and Selection for Prospective Biodiesel Production. Energies, 2012, 5, 1835-1849.	1.6	135
38	Progress on lipid extraction from wet algal biomass for biodiesel production. Microbial Biotechnology, 2016, 9, 718-726.	2.0	131
39	Critical analysis of current Microalgae dewatering techniques. Biofuels, 2013, 4, 397-407.	1.4	129
40	The Metabolome of Chlamydomonas reinhardtii following Induction of Anaerobic H2 Production by Sulfur Depletion. Journal of Biological Chemistry, 2009, 284, 23415-23425.	1.6	119
41	Tiny Microbes, Big Yields: enhancing food crop production with biological solutions. Microbial Biotechnology, 2017, 10, 999-1003.	2.0	119
42	A biorefinery for Nannochloropsis: Induction, harvesting, and extraction of EPA-rich oil and high-value protein. Bioresource Technology, 2017, 244, 1416-1424.	4.8	116
43	Biodiversity impacts of bioenergy production: Microalgae vs. first generation biofuels. Renewable and Sustainable Energy Reviews, 2017, 74, 1131-1146.	8.2	113
44	Using biplots to interpret gene expression patterns in plants. Bioinformatics, 2002, 18, 202-204.	1.8	110
45	Methyl jasmonate induced gene expression in wheat delays symptom development by the crown rot pathogen Fusarium pseudograminearum. Physiological and Molecular Plant Pathology, 2005, 67, 171-179.	1.3	110
46	Effects of jasmonic acid signalling on the wheat microbiome differ between body sites. Scientific Reports, 2017, 7, 41766.	1.6	105
47	Plant Defense by VOC-Induced Microbial Priming. Trends in Plant Science, 2019, 24, 187-189.	4.3	96
48	Isolation and analysis of mRNA from environmental microbial communities. Journal of Microbiological Methods, 2008, 75, 172-176.	0.7	95
49	Selection and adaptation of microalgae to growth in 100% unfiltered coal-fired flue gas. Bioresource Technology, 2017, 233, 271-283.	4.8	94
50	Salicylic acid mediates resistance to the vascular wilt pathogenFusarium oxysporumin the model hostArabidopsis thaliana. Australasian Plant Pathology, 2006, 35, 581.	0.5	93
51	The SEN1 gene ofÂArabidopsis is regulated byÂsignals that link plant defence responses andÂsenescence. Plant Physiology and Biochemistry, 2005, 43, 997-1005.	2.8	90
52	Culture-Independent Molecular Tools for Soil and Rhizosphere Microbiology. Diversity, 2013, 5, 581-612.	0.7	88
53	An Ecological Loop: Host Microbiomes across Multitrophic Interactions. Trends in Ecology and Evolution, 2019, 34, 1118-1130.	4.2	88
54	A MYB gene from wheat (Triticum aestivum L.) is up-regulated during salt and drought stresses and differentially regulated between salt-tolerant and sensitive genotypes. Plant Cell Reports, 2010, 29, 835-844.	2.8	86

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55	Diverse roles of the Mediator complex in plants. Seminars in Cell and Developmental Biology, 2011, 22, 741-748.	2.3	86
56	High Protein- and High Lipid-Producing Microalgae from Northern Australia as Potential Feedstock for Animal Feed and Biodiesel. Frontiers in Bioengineering and Biotechnology, 2015, 3, 53.	2.0	84
57	Root defense analysis against Fusarium oxysporum reveals new regulators to confer resistance. Scientific Reports, 2014, 4, 5584.	1.6	80
58	UV-Induced DNA Damage Promotes Resistance to the Biotrophic Pathogen Hyaloperonospora parasitica in Arabidopsis. Plant Physiology, 2008, 148, 1021-1031.	2.3	79
59	Integrated biodiesel and biogas production from microalgae: Towards a sustainable closed loop through nutrient recycling. Renewable and Sustainable Energy Reviews, 2018, 82, 1137-1148.	8.2	79
60	Promoters of Orthologous Glycine max and Lotus japonicus Nodulation Autoregulation Genes Interchangeably Drive Phloem-Specific Expression in Transgenic Plants. Molecular Plant-Microbe Interactions, 2007, 20, 769-780.	1.4	74
61	Gene expression profiling of astaxanthin and fatty acid pathways in Haematococcus pluvialis in response to different LED lighting conditions. Bioresource Technology, 2018, 250, 591-602.	4.8	74
62	Gene expression analysis of the wheat response to infection by Fusarium pseudograminearum. Physiological and Molecular Plant Pathology, 2008, 73, 40-47.	1.3	73
63	Flotation of marine microalgae: Effect of algal hydrophobicity. Bioresource Technology, 2012, 121, 471-474.	4.8	73
64	Comparative proteomic analysis of Rhodosporidium toruloides during lipid accumulation. Yeast, 2009, 26, 553-566.	0.8	72
65	Evaluation of microalgae and cyanobacteria as potential sources of antimicrobial compounds. Saudi Pharmaceutical Journal, 2020, 28, 1834-1841.	1.2	71
66	Mixed microalgae consortia growth under higher concentration of CO2 from unfiltered coal fired flue gas: Fatty acid profiling and biodiesel production. Journal of Photochemistry and Photobiology B: Biology, 2018, 179, 126-133.	1.7	68
67	Effect of drying, storage temperature and air exposure on astaxanthin stability from Haematococcus pluvialis. Food Research International, 2015, 74, 231-236.	2.9	67
68	Soil bacterial diffusible and volatile organic compounds inhibit Phytophthora capsici and promote plant growth. Science of the Total Environment, 2019, 692, 267-280.	3.9	67
69	Identification of Soil Bacterial Isolates Suppressing Different Phytophthora spp. and Promoting Plant Growth. Frontiers in Plant Science, 2018, 9, 1502.	1.7	66
70	A promoter from sugarcane bacilliform badnavirus drives transgene expression in banana and other monocot and dicot plants. Plant Molecular Biology, 1999, 39, 1221-1230.	2.0	65
71	LED power efficiency of biomass, fatty acid, and carotenoid production in Nannochloropsis microalgae. Bioresource Technology, 2018, 252, 118-126.	4.8	65
72	Promoters for pregenomic RNA of banana streak badnavirus are active for transgene expression in monocot and dicot plants. Plant Molecular Biology, 2001, 47, 399-412.	2.0	63

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73	Pavlova lutheri is a high-level producer of phytosterols. Algal Research, 2015, 10, 210-217.	2.4	63
74	Phylogenetic and molecular analysis of hydrogen-producing green algae. Journal of Experimental Botany, 2009, 60, 1691-1702.	2.4	62
75	Jasmonic acid signalling and the plant holobiont. Current Opinion in Microbiology, 2017, 37, 42-47.	2.3	61
76	DNA Is Taken Up by Root Hairs and Pollen, and Stimulates Root and Pollen Tube Growth Â Â. Plant Physiology, 2010, 153, 799-805.	2.3	60
77	UV-C-mediated lipid induction and settling, a step change towards economical microalgal biodiesel production. Green Chemistry, 2014, 16, 3539-3548.	4.6	60
78	The ability of plants to produce strigolactones affects rhizosphere community composition of fungi but not bacteria. Rhizosphere, 2019, 9, 18-26.	1.4	59
79	Perspectives on metabolic engineering for increased lipid contents in microalgae. Biofuels, 2012, 3, 71-86.	1.4	57
80	Effects of Long Chain Fatty Acid Synthesis and Associated Gene Expression in Microalga Tetraselmis sp.. Marine Drugs, 2014, 12, 3381-3398.	2.2	57
81	Nitrogen affects cluster root formation and expression of putative peptide transporters. Journal of Experimental Botany, 2009, 60, 2665-2676.	2.4	55
82	Strategic tillage in conservation agricultural systems of north-eastern Australia: why, where, when and how?. Environmental Science and Pollution Research, 2018, 25, 1000-1015.	2.7	53
83	Effective harvesting of low surface-hydrophobicity microalgae by froth flotation. Bioresource Technology, 2014, 159, 437-441.	4.8	52
84	New feed sources key to ambitious climate targets. Carbon Balance and Management, 2015, 10, 26.	1.4	51
85	Comparison of astaxanthin accumulation and biosynthesis gene expression of three Haematococcus pluvialis strains upon salinity stress. Journal of Applied Phycology, 2015, 27, 1853-1860.	1.5	49
86	The metabolome of Chlamydomonas reinhardtii following induction of anaerobic H2 production by sulfur depletion.. Journal of Biological Chemistry, 2009, 284, 35996.	1.6	48
87	Plant growth in Arabidopsis is assisted by compost soil-derived microbial communities. Frontiers in Plant Science, 2013, 4, 235.	1.7	48
88	pGFPGUSPlus, a new binary vector for gene expression studies and optimising transformation systems in plants. Biotechnology Letters, 2007, 29, 1793-1796.	1.1	47
89	Growth and lipid accumulation of microalgae from fluctuating brackish and sea water locations in South East QueenslandÃ¢â‚¬â€Australia. Frontiers in Plant Science, 2015, 6, 359.	1.7	44
90	The proteome analysis of oleaginous yeast Lipomyces starkeyi. FEMS Yeast Research, 2011, 11, 42-51.	1.1	43

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91	Dissolved air flotation and centrifugation as methods for oil recovery from ruptured microalgal cells. Bioresource Technology, 2016, 218, 428-435.	4.8	42
92	Phytomicrobiome for promoting sustainable agriculture and food security: Opportunities, challenges, and solutions. Microbiological Research, 2021, 248, 126763.	2.5	42
93	A Protocol for the Fluorometric Quantification of mGFP5-ER and sGFP(S65T) in Transgenic Plants. Plant Molecular Biology Reporter, 1999, 17, 385-395.	1.0	41
94	Phaeodactylum tricornutum microalgae as a rich source of omega-3 oil: Progress in lipid induction techniques towards industry adoption. Food Chemistry, 2019, 297, 124937.	4.2	41
95	Phylogenetic and transcriptional analysis of a strictosidine synthaseâ€like gene family in Arabidopsis thaliana reveals involvement in plant defence responses. Plant Biology, 2009, 11, 105-117.	1.8	40
96	Blue light enhances astaxanthin biosynthesis metabolism and extraction efficiency in Haematococcus pluvialis by inducing haematocyst germination. Algal Research, 2018, 35, 215-222.	2.4	40
97	Peroxisomal polyhydroxyalkanoate biosynthesis is a promising strategy for bioplastic production in high biomass crops. Plant Biotechnology Journal, 2011, 9, 958-969.	4.1	39
98	Heavy metal bioremediation of coal-fired flue gas using microalgae under different CO2 concentrations. Journal of Environmental Management, 2019, 241, 243-250.	3.8	39
99	Changes in the soil quality attributes of continuous no-till farming systems following a strategic tillage. Soil Research, 2015, 53, 263.	0.6	38
100	Development of an Environmental Functional Gene Microarray for Soil Microbial Communities. Applied and Environmental Microbiology, 2010, 76, 7161-7170.	1.4	37
101	DNA microarrays: new tools in the analysis of plant defence responses. Molecular Plant Pathology, 2001, 2, 177-185.	2.0	35
102	Induced carotenoid accumulation in Dunaliella salina and Tetraselmis suecica by plant hormones and UV-C radiation. Applied Microbiology and Biotechnology, 2015, 99, 9407-9416.	1.7	35
103	Proteomic analysis of protein methylation in the yeast Saccharomyces cerevisiae. Journal of Proteomics, 2015, 114, 226-233.	1.2	35
104	Growth-promoting bacteria double eicosapentaenoic acid yield in microalgae. Bioresource Technology, 2020, 316, 123916.	4.8	34
105	Massively parallel sequencing and analysis of expressed sequence tags in a successful invasive plant. Annals of Botany, 2010, 106, 1009-1017.	1.4	33
106	Development of marker genes for jasmonic acid signaling in shoots and roots of wheat. Plant Signaling and Behavior, 2016, 11, e1176654.	1.2	33
107	One-time strategic tillage does not cause major impacts on soil microbial properties in a no-till Calcisol. Soil and Tillage Research, 2016, 158, 91-99.	2.6	33
108	RNA-Seq and metabolic flux analysis of Tetraselmis sp. M8 during nitrogen starvation reveals a two-stage lipid accumulation mechanism. Bioresource Technology, 2017, 244, 1281-1293.	4.8	33

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109	Global mapping of costâ€effective microalgal biofuel production areas with minimal environmental impact. GCB Bioenergy, 2019, 11, 914-929.	2.5	33
110	Suppression of Phytophthora capsici infection and promotion of tomato growth by soil bacteria. Rhizosphere, 2019, 9, 72-75.	1.4	33
111	Arbuscular mycorrhizae and rhizobacteria improve growth, nutritional status and essential oil production in Ocimum basilicum and Satureja hortensis. Industrial Crops and Products, 2021, 160, 113163.	2.5	33
112	Strategic tillage on a Grey Vertosol after fifteen years of no-till management had no short-term impact on soil properties and agronomic productivity. Geoderma, 2016, 267, 146-155.	2.3	32
113	Soil amendments with ethylene precursor alleviate negative impacts of salinity on soil microbial properties and productivity. Scientific Reports, 2019, 9, 6892.	1.6	32
114	MEDIATOR18 and MEDIATOR20 confer susceptibility to Fusarium oxysporum in Arabidopsis thaliana. PLoS ONE, 2017, 12, e0176022.	1.1	32
115	Title is missing!. Plant Molecular Biology Reporter, 1998, 16, 313-322.	1.0	31
116	Biogas production coupled to repeat microalgae cultivation using a closed nutrient loop. Bioresource Technology, 2018, 263, 625-630.	4.8	31
117	Cloning and sequence analysis of RNA-2 of a mechanically transmitted UK isolate of barley mild mosaic bymovirus (BaMMV). Virus Research, 1995, 37, 99-111.	1.1	30
118	Rapid induction of omegaâ€3 fatty acids (EPA) in Nannochloropsis sp. by UVâ€C radiation. Biotechnology and Bioengineering, 2015, 112, 1243-1249.	1.7	30
119	UVâ€“C radiation increases sterol production in the microalga Pavlova lutheri. Phytochemistry, 2017, 139, 25-32.	1.4	29
120	An Optimized Transient Dual Luciferase Assay for Quantifying MicroRNA Directed Repression of Targeted Sequences. Frontiers in Plant Science, 2017, 8, 1631.	1.7	29
121	Effective colonisation by a bacterial synthetic community promotes plant growth and alters soil microbial community. , 2022, 1, 30-42.		29
122	Flotation separation of marine microalgae from aqueous medium. Separation and Purification Technology, 2015, 156, 636-641.	3.9	28
123	Plant defence inducers rapidly influence the diversity of bacterial communities in a potting mix. Applied Soil Ecology, 2014, 84, 1-5.	2.1	27
124	Molecular defense responses in roots and the rhizosphere againstFusarium oxysporum. Plant Signaling and Behavior, 2014, 9, e977710.	1.2	26
125	The AtHSP17.4C1 Gene Expression Is Mediated by Diverse Signals that Link Biotic and Abiotic Stress Factors with ROS and Can Be a Useful Molecular Marker for Oxidative Stress. International Journal of Molecular Sciences, 2019, 20, 3201.	1.8	26
126	Mixotrophic cultivation of Scenedesmus dimorphus in sugarcane bagasse hydrolysate. Environmental Progress and Sustainable Energy, 2020, 39, e13334.	1.3	26

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127	Isolation of High-Lipid Tetraselmis suecica Strains Following Repeated UV-C Mutagenesis, FACS, and High-Throughput Growth Selection. Bioenergy Research, 2015, 8, 750-759.	2.2	25
128	Impact of osmotic shock pre-treatment on microalgae lipid extraction and subsequent methane production. Bioresource Technology Reports, 2019, 7, 100214.	1.5	25
129	Transcriptome-wide analysis of Chlorella reveals auxin-induced carotenogenesis pathway in green microalgae. Algal Research, 2019, 37, 320-335.	2.4	25
130	The Role of Transcription Factors in Wheat Under Different Abiotic Stresses. , 2013, , .		24
131	The Arabidopsis mutant iop1 exhibits induced over-expression of the plant defensin gene PDF1.2 and enhanced pathogen resistance. Molecular Plant Pathology, 2003, 4, 479-486.	2.0	22
132	Cold and dark treatments induce omega-3 fatty acid and carotenoid production in Nannochloropsis oceanica. Algal Research, 2020, 51, 102059.	2.4	22
133	Microalgal biofuel production at national scales: Reducing conflicts with agricultural lands and biodiversity within countries. Energy, 2021, 215, 119033.	4.5	22
134	UVâ€€ mediated rapidcarotenoid induction and settling performance of Dunaliellasalina and Haematococcus pluvialis. Biotechnology and Bioengineering, 2015, 112, 2106-2114.	1.7	21
135	Movement of barley mild mosaic and barley yellow mosaic viruses in leaves and roots of barley. Annals of Applied Biology, 1995, 126, 291-305.	1.3	19
136	Efficient Harvesting of Nannochloropsis Microalgae via Optimized Chitosanâ€Mediated Flocculation. Global Challenges, 2019, 3, 1800038.	1.8	19
137	Microalgae selection and improvement as oil crops: GM vs non-GM strain engineering. AIMS Bioengineering, 2017, 4, 151-161.	0.6	19
138	Comparative Effects of Biomass Pre-Treatments for Direct and Indirect Transesterification to Enhance Microalgal Lipid Recovery. Frontiers in Energy Research, 2014, 2, .	1.2	18
139	Short-term impact of an occasional tillage on microbial communities in a Vertosol after 43 years of no-tillage or conventional tillage. European Journal of Soil Biology, 2016, 74, 32-38.	1.4	18
140	Occasional tillage has no effect on soil microbial biomass, activity and composition in Vertisols under long-term no-till. Biology and Fertility of Soils, 2016, 52, 191-202.	2.3	18
141	Development of Highâ€Level Omegaâ€3 Eicosapentaenoic Acid (EPA) Production from Phaeodactylum tricornutum. Journal of Phycology, 2021, 57, 258-268.	1.0	18
142	Freeing land from biofuel production through microalgal cultivation in the Neotropical region. Environmental Research Letters, 2020, 15, 094094.	2.2	18
143	Reproductive biology ofCorymbia citriodorasubsp.variegataand effective pollination across its native range in Queensland, Australia. Southern Forests, 2009, 71, 125-132.	0.2	16
144	Sample Processing and cDNA Preparation for Microbial Metatranscriptomics in Complex Soil Communities. Methods in Enzymology, 2013, 531, 251-267.	0.4	16

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145	Effective Harvesting of Nannochloropsis Microalgae Using Mushroom Chitosan: A Pilot-Scale Study. Frontiers in Bioengineering and Biotechnology, 2020, 8, 771.	2.0	16
146	Reduced peroxisomal citrate synthase activity increases substrate availability for polyhydroxyalkanoate biosynthesis in plant peroxisomes. Plant Biotechnology Journal, 2014, 12, 1044-1052.	4.1	15
147	Identification of plant defence genes in canola using Arabidopsis cDNA microarrays. Plant Biology, 2008, 10, 539-547.	1.8	14
148	Current research and perspectives of microalgal biofuels in Australia. Biofuels, 2012, 3, 427-439.	1.4	14
149	Rapid Lipid Induction in Chlorella sp. by UV-C Radiation. Bioenergy Research, 2015, 8, 1824-1830.	2.2	14
150	Lipid extraction from wet Chaetoceros muelleri culture and evaluation of remaining defatted biomass. Algal Research, 2016, 20, 205-212.	2.4	14
151	High flux water purification using aluminium hydroxide hydrate gels. Scientific Reports, 2017, 7, 17437.	1.6	14
152	Osmotic shock pre-treatment of Chaetoceros muelleri wet biomass enhanced solvent-free lipid extraction and biogas production. Algal Research, 2021, 54, 102177.	2.4	14
153	Phylogenetic and molecular analysis of the ribulose-1,5-bisphosphate carboxylase small subunit gene family in banana. Journal of Experimental Botany, 2007, 58, 2685-2697.	2.4	13
154	Strategic tillage increased the relative abundance of Acidobacteria but did not impact on overall soil microbial properties of a 19-year no-till Solonetz. Biology and Fertility of Soils, 2016, 52, 1021-1035.	2.3	13
155	Assessing the fertilizing potential of microalgal digestates using the marine diatom Chaetoceros muelleri. Algal Research, 2019, 41, 101534.	2.4	13
156	Sugarcane bagasse as a novel low/no cost organic carbon source for growth of Chlorella sp. BR2. Biofuels, 2021, 12, 1067-1073.	1.4	13
157	Functional metabolomics as a tool to analyze Mediator function and structure in plants. PLoS ONE, 2017, 12, e0179640.	1.1	13
158	Plant mediator. Plant Signaling and Behavior, 2010, 5, 718-720.	1.2	12
159	Introducing the hydrate gel membrane technology for filtration of mine tailings. Minerals Engineering, 2019, 135, 1-8.	1.8	12
160	Efficient targeting of polyhydroxybutyrate biosynthetic enzymes to plant peroxisomes requires more than three amino acids in the carboxyl-terminal signal. Journal of Plant Physiology, 2010, 167, 329-332.	1.6	11
161	Chromosome-Scale Genome Assembly of Two Australian Nannochloropsis oceanica Isolates Exhibiting Superior Lipid Characteristics. Microbiology Resource Announcements, 2019, 8, .	0.3	11
162	Transcription profiling of the isoflavone phenylpropanoid pathway in soybean in response to Bradyrhizobium japonicum inoculation. Functional Plant Biology, 2011, 38, 13.	1.1	10

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163	Activation of the salicylic acid signalling pathway in wheat had no significant short-term impact on the diversity of root-associated microbiomes. Pedobiologia, 2018, 70, 6-11.	0.5	10
164	Development of a Phaeodactylum tricornutum biorefinery to sustainably produce omega-3 fatty acids and protein. Journal of Cleaner Production, 2021, 300, 126839.	4.6	10
165	Plant-produced bacteriocins inhibit plant pathogens and confer disease resistance in tomato. New Biotechnology, 2021, 63, 54-61.	2.4	10
166	Functional promoter analysis using an approach based on an in vitro evolution strategy. BioTechniques, 2005, 38, 209-216.	0.8	9
167	Enhanced triacylglyceride extraction from microalgae using free nitrous acid pre-treatment. Applied Energy, 2015, 154, 183-189.	5.1	9
168	Development of large-scale microalgae production in the Middle East. Bioresource Technology, 2022, 343, 126036.	4.8	9
169	Fast-Tracking Isolation, Identification and Characterization of New Microalgae for Nutraceutical and Feed Applications. Phycology, 2022, 2, 86-107.	1.7	9
170	Association of two barley yellow mosaic virus (RNA 2) encoded proteins with cytoplasmic inclusion bodies revealed by immunogold localisation. Protoplasma, 1993, 173, 113-122.	1.0	8
171	Algal Biorefinery: Sustainable Production of Biofuels and Aquaculture Feed?. Cellular Origin and Life in Extreme Habitats, 2012, , 21-41.	0.3	8
172	Biodiesel quality assessment of microalgae cultivated mixotrophically on sugarcane bagasse. Sustainable Energy Technologies and Assessments, 2022, 53, 102359.	1.7	8
173	Investigating Cellular Responses During Photohydrogen Production by the Marine Microalga Tetraselmis subcordiformis by Quantitative Proteome Analysis. Applied Biochemistry and Biotechnology, 2015, 177, 649-661.	1.4	7
174	Complete Nucleotide Sequence of an Australian Isolate of Turnip mosaic virus before and after Seven Years of Serial Passaging. Genome Announcements, 2016, 4, .	0.8	7
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