Tina C Summerfield

List of Publications by Year
in descending order

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50 papers	2,159 citations	516710 16 h-index	223800 46 g-index
51 all docs	51 docs citations	51 times ranked	1976 citing authors

#	Article	IF	Citations
1	A gene (PEX) with homologies to endopeptidases is mutated in patients with Xâ€“linked hypophosphatemic rickets. Nature Genetics, 1995, 11, 130-136.	21.4	1,067
2	Differential Transcriptional Analysis of the Cyanobacterium Cyanothece sp. Strain ATCC 51142 during Light-Dark and Continuous-Light Growth. Journal of Bacteriology, 2008, 190, 3904-3913.	2.2	134
3	The Mechanism of Iron Homeostasis in the Unicellular Cyanobacterium Synechocystis sp. PCC 6803 and Its Relationship to Oxidative Stress Â Â. Plant Physiology, 2009, 150, 2045-2056.	4.8	105
4	The heat shock response in the cyanobacterium Synechocystis sp. Strain PCC 6803 and regulation of gene expression by HrcA and SigB. Archives of Microbiology, 2006, 186, 273-286.	2.2	92
5	Low-Oxygen Induction of Normally Cryptic psbA Genes in Cyanobacteria. Biochemistry, 2008, 47, 12939-12941.	2.5	80
6	Global Transcriptional Response of the Alkali-Tolerant CyanobacteriumSynechocystissp. Strain PCC 6803 to a pH 10 Environment. Applied and Environmental Microbiology, 2008, 74, 5276-5284.	3.1	77
7	PsbQ (Sll1638) in Synechocystis sp. PCC 6803 Is Required for Photosystem II Activity in Specific Mutants and in Nutrient-Limiting Conditions. Biochemistry, 2005, 44, 805-815.	2.5	68
8	Whole genome re-sequencing of two â€˜wild-typeâ€™ strains of the model cyanobacteriumSynechocystissp. PCC 6803. New Zealand Journal of Botany, 2014, 52, 36-47.	1.1	50
9	Investigation of a requirement for the PsbP-like protein in Synechocystis sp. PCC 6803. Photosynthesis Research, 2005, 84, 263-268.	2.9	37
10	Role of Sigma Factors in Controlling Global Gene Expression in Light/Dark Transitions in the Cyanobacterium Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2007, 189, 7829-7840.	2.2	37
11	Homogeneous environmental selection dominates microbial community assembly in the oligotrophic South Pacific Gyre. Molecular Ecology, 2020, 29, 4680-4691.	3.9	33
12	Gene expression under low-oxygen conditions in the cyanobacterium Synechocystis sp. PCC 6803 demonstrates Hik31-dependent and -independent responses. Microbiology (United Kingdom), 2011, 157, 301-312.	1.8	29
13	Stabilization of Photosystem II by the PsbT protein impacts photodamage, repair and biogenesis. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148234.	1.0	29
14	TRANSCRIPTIONAL ANALYSIS OF THE UNICELLULAR, DIAZOTROPHIC CYANOBACTERIUM CYANOTHECE SP. ATCC 51142 GROWN UNDER SHORT DAY/NIGHT CYCLES¹. Journal of Phycology, 2009, 45, 610-620.	2.3	28
15	The diversity and distribution of D1 proteins in cyanobacteria. Photosynthesis Research, 2020, 145, 111-128.	2.9	21
16	Pseudocyphellaria crocata , P. neglecta and P. perpetua from the Northern and Southern Hemispheres are a phylogenetic species and share cyanobionts. New Phytologist, 2006, 170, 597-607.	7.3	18
17	Effects of multiple drivers of ocean global change on the physiology and functional gene expression of the coccolithophore Emiliania huxleyi. Global Change Biology, 2020, 26, 5630-5645.	9.5	17
18	Environmental pH Affects Photoautotrophic Growth of Synechocystis sp. PCC 6803 Strains Carrying Mutations in the Lumenal Proteins of PSII. Plant and Cell Physiology, 2013, 54, 859-874.	3.1	15

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19	Contrasting bacterial communities in two indigenous Chionochloa (Poaceae) grassland soils in New Zealand. PLoS ONE, 2017, 12, e0179652.	2.5	15
20	The importance of the hydrophilic region of PsbL for the plastoquinone electron acceptor complex of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1435-1446.	1.0	14
21	Global gene expression of a Î”PsbO:Î”PsbU mutant and a spontaneous revertant in the cyanobacterium Synechocystis sp. strain PCC 6803. Photosynthesis Research, 2007, 94, 265-274.	2.9	13
22	Phenotypic variation in wild-type substrains of the model cyanobacteriumSynechocystissp. PCC 6803. New Zealand Journal of Botany, 2017, 55, 25-35.	1.1	13
23	The Sheep Genome Contributes to Localization of Control Elements in a Human Gene with Complex Regulatory Mechanisms. Genomics, 2001, 76, 9-13.	2.9	12
24	Characterization of the cyanobacteria and associated bacterial community from an ephemeral wetland in New Zealand. Journal of Phycology, 2016, 52, 761-773.	2.3	12
25	Feedback mechanisms stabilise degraded turf algal systems at a CO2 seep site. Communications Biology, 2021, 4, 219.	4.4	12
26	Gene expression indicates a zone of heterocyst differentiation within the thallus of the cyanolichen Pseudocyphellaria crocata. New Phytologist, 2012, 196, 862-872.	7.3	11
27	Characterization of the mating-type locus (MAT) reveals a heterothallic mating system inKnightiella splachnirima. Lichenologist, 2017, 49, 373-385.	0.8	11
28	Comparison of D1Â´â€•and D1â€containing PS II reaction centre complexes under different environmental conditions in Synechocystis sp. PCC 6803. Plant, Cell and Environment, 2016, 39, 1715-1726.	5.7	10
29	Mutation of Gly195 of the ChlH Subunit of Mg-chelatase Reduces Chlorophyll and Further Disrupts PS II Assembly in a Ycf48-Deficient Strain of Synechocystis sp. PCC 6803. Frontiers in Plant Science, 2016, 7, 1060.	3.6	9
30	The PsbT protein modifies the bicarbonate-binding environment of Photosystem II. New Zealand Journal of Botany, 2020, 58, 406-421.	1.1	9
31	Subtle bacterioplankton community responses to elevated <scp>CO₂</scp> and warming in the oligotrophic South Pacific gyre. Environmental Microbiology Reports, 2020, 12, 377-386.	2.4	9
32	Purple haze: Cryptic purple sequestrate Cortinarius in New Zealand. Mycologia, 2020, 112, 588-605.	1.9	9
33	Multiple-stressor effects of dicyandiamide (DCD) and agricultural stressors on trait-based responses of stream benthic algal communities. Science of the Total Environment, 2019, 693, 133305.	8.0	8
34	The PsbJ protein is required for photosystem II activity in centers lacking the PsbO and PsbV lumenal subunits. Photosynthesis Research, 2022, 151, 103-111.	2.9	7
35	Environmental pH and the Requirement for the Extrinsic Proteins of Photosystem II in the Function of Cyanobacterial Photosynthesis. Frontiers in Plant Science, 2016, 7, 1135.	3.6	6
36	Algal and cyanobacterial bioenergy and diversity. New Zealand Journal of Botany, 2014, 52, 1-5.	1.1	5

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37	Cyanobacteria in New Zealand indigenous grasslands. New Zealand Journal of Botany, 2014, 52, 100-115.	1.1	5
38	Introduction: proceedings of the 2015 New Zealand symposium on algae and photosynthetic prokaryotes. New Zealand Journal of Botany, 2017, 55, 1-4.	1.1	4
39	Fungal diversity in canopy soil of silver beech, Nothofagus menziesiiÂ(Nothofagaceae). PLoS ONE, 2020, 15, e0227860.	2.5	4
40	Studies of New Zealand Cortinarius: resolution of taxonomic conflicts in section Subcastanelli (Agaricales), new species and key to rozitoid species. New Zealand Journal of Botany, 2021, 59, 457-475.	1.1	4
41	The gene for X-linked hypophosphataemic rickets maps to a 200-300 kb region in Xp22.1, and is located on a single YAC containing a putative vitamin D response element (VDRE). Human Genetics, 1996, 97, 345-352.	3.8	4
42	Characterisation of freshwater and marine cyanobacteria in the Hokianga region, Northland, New Zealand. New Zealand Journal of Marine and Freshwater Research, 2014, 48, 177-193.	2.0	3
43	Cortinarius atropileatus sp. nov. (Cortinariaceae) from New Zealand. New Zealand Journal of Botany, 2019, 57, 50-61.	1.1	3
44	Editorial: Exploring the Growing Role of Cyanobacteria in Industrial Biotechnology and Sustainability. Frontiers in Microbiology, 2021, 12, 725128.	3.5	3
45	Biology and biotechnological applications of microalgae and photosynthetic prokaryotes: part 2. New Zealand Journal of Botany, 2020, 58, 275-333.	1.1	2
46	Biology and biotechnological applications of microalgae and photosynthetic prokaryotes: Part 1. New Zealand Journal of Botany, 2019, 57, 65-69.	1.1	1
47	Environmental <scp>pH</scp> and a Glu364 to Gln mutation in the chlorophyllâ€binding <scp>CP</scp>47 protein affect redoxâ€active TyrD and charge recombination in Photosystem II. FEBS Letters, 2019, 593, 163-174.	2.8	1
48	A molecular-genetic reassessment of the circumscription of the lichen genus Icmadophila. Lichenologist, 2020, 52, 213-220.	0.8	1
49	Species turnover underpins the effect of elevated CO2 on biofilm communities through early succession. Climate Change Ecology, 2021, 2, 100017.	1.9	1
50	Characterization of a pH-Sensitive Photosystem II Mutant in the Cyanobacterium Synechocystis sp. PCC 6803. Advanced Topics in Science and Technology in China, 2013, , 348-352.	0.1	0