Michael A Packer

List of Publications by Year
in descending order

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45	2,215	304743	265206
papers	citations	22 h-index	42 g-index

45	45	45	2755
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Algal capture of carbon dioxide; biomass generation as a tool for greenhouse gas mitigation with reference to New Zealand energy strategy and policy. Energy Policy, 2009, 37, 3428-3437.	8.8	331
2	Nitric oxide negatively regulates mammalian adult neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9566-9571.	7.1	295
3	Peroxynitrite. General Pharmacology, 1998, 31, 179-186.	0.7	165
4	Bioenergetic consequences of accumulating the common 4977-bp mitochondrial DNA deletion. FEBS Journal, 1998, 257, 192-201.	0.2	141
5	Peroxynitrite causes calcium efflux from mitochondria which is prevented by Cyclosporin A. FEBS Letters, 1994, 345, 237-240.	2.8	129
6	Peroxynitrite Formed by Simultaneous Nitric Oxide and Superoxide Generation Causes Cyclosporin-A-Sensitive Mitochondrial Calcium Efflux and Depolarisation. FEBS Journal, 1995, 234, 231-239.	0.2	125
7	Influence of anode potentials on selection of Geobacter strains in microbial electrolysis cells. Bioresource Technology, 2013, 139, 226-234.	9.6	88
8	Alterations to glutathione and nicotinamide nucleotides during the mitochondrial permeability transition induced by peroxynitrite. Biochemical Pharmacology, 1996, 52, 1047-1055.	4.4	83
9	Photo-electrochemical communication between cyanobacteria (Leptolyngbia sp.) and osmium redox polymer modified electrodes. Physical Chemistry Chemical Physics, 2014, 16, 24676-24680.	2.8	79
10	Photoelectrochemical Wiring of Paulschulzia pseudovolvox (Algae) to Osmium Polymer Modified Electrodes for Harnessing Solar Energy. Advanced Energy Materials, 2015, 5, 1501100.	19.5	63
11	Induction of the mitochondrial permeability transition by peroxynitrite. Biochemical Society Transactions, 1997, 25, 909-914.	3.4	58
12	Urinary selenium and iodine during pregnancy and lactation. Journal of Trace Elements in Medicine and Biology, 2001, 14, 210-217.	3.0	56
13	Benefits and risks of including the bromoform containing seaweed Asparagopsis in feed for the reduction of methane production from ruminants. Algal Research, 2022, 64, 102673.	4.6	54
14	An Evaluation of Urinary Measures of Iodine and Selenium Status. Journal of Trace Elements in Medicine and Biology, 1996, 10, 214-222.	3.0	51
15	A cost-effective microbial fuel cell to detect and select for photosynthetic electrogenic activity in algae and cyanobacteria. Journal of Applied Phycology, 2014, 26, 15-23.	2.8	47
16	Exposure to the parkinsonian neurotoxin 1-methyl-4-phenylpyridinium (MPP+) and nitric oxide simultaneously causes cyclosporin A-sensitive mitochondrial calcium efflux and depolarisation. Biochemical Pharmacology, 1996, 51, 267-273.	4.4	46
17	Evaluation of Photocurrent Generation from Different Photosynthetic Organisms. ChemElectroChem, 2017, 4, 412-417.	3.4	38
18	Aquaculture Production of the Brown Seaweeds Laminaria digitata and Macrocystis pyrifera: Applications in Food and Pharmaceuticals. Molecules, 2021, 26, 1306.	3.8	35

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19	Nitrous oxide emissions from microalgae: potential pathways and significance. Journal of Applied Phycology, 2019, 31, 1-8.	2.8	33
20	Neuronal Nitric Oxide Synthase Contributes to the Regulation of Hematopoiesis. Molecular Medicine, 2008, 14, 141-149.	4.4	31
21	N2O emissions during microalgae outdoor cultivation in 50 L column photobioreactors. Algal Research, 2017, 26, 348-353.	4.6	29
22	The biosynthesis of nitrous oxide in the green alga Chlamydomonas reinhardtii. Plant Journal, 2017, 91, 45-56.	5.7	26
23	Nitrous oxide (N2O) emissions during real domestic wastewater treatment in an outdoor pilot-scale high rate algae pond. Algal Research, 2019, 44, 101670.	4.6	23
24	Characterisation of Antarctic cyanobacteria and comparison with New Zealand strains. Hydrobiologia, 2013, 711, 139-154.	2.0	21
25	The Cawthron Institute Culture Collection of Micro-algae: a significant national collection. New Zealand Journal of Marine and Freshwater Research, 2016, 50, 291-316.	2.0	18
26	Demonstration of the use of a photosynthetic microbial fuel cell as an environmental biosensor. International Journal of Nanotechnology, 2017, 14, 213.	0.2	18
27	Changes in oil content, lipid class and fatty acid composition of the microalgaChaetoceros calcitransover different phases of batch culture. Aquaculture Research, 2014, 45, 1634-1647.	1.8	17
28	Changes in lipid class content and composition of Isochrysis sp. (T-Iso) grown in batch culture. Aquaculture International, 2015, 23, 1293-1312.	2.2	15
29	The use of a mucus trap by Dinophysis acuta for the capture of Mesodinium rubrum prey under culture conditions. Harmful Algae, 2016, 58, 1-7.	4.8	14
30	Harnessing the self-harvesting capability of benthic cyanobacteria for use in benthic photobioreactors. AMB Express, 2011, 1, 19.	3.0	12
31	Food and Feed Applications of Algae. Green Energy and Technology, 2016, , 217-247.	0.6	12
32	Optimising conditions for growth and xanthophyll production in continuous culture of Tisochrysis lutea using photobioreactor arrays and central composite design experiments. New Zealand Journal of Botany, 2017, 55, 64-78.	1.1	11
33	Isolation and characterisation of halo-tolerantDunaliellastrains from Lake Grassmere/Kapara Te Hau, New Zealand. New Zealand Journal of Botany, 2014, 52, 136-152.	1.1	10
34	Greenshellâ„¢ Mussels: A Review of Veterinary Trials and Future Research Directions. Veterinary Sciences, 2018, 5, 36.	1.7	9
35	Early biomarker indicators of health in two commercially produced microalgal species important for aquaculture. Aquaculture, 2020, 521, 735053.	3.5	8
36	Angiotensin-I-Converting Enzyme Inhibitory Activity of Protein Hydrolysates Generated from the Macroalga Laminaria digitata (Hudson) JV Lamouroux 1813. Foods, 2022, 11, 1792.	4.3	8

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37	Algal and cyanobacterial bioenergy and diversity. New Zealand Journal of Botany, 2014, 52, 1-5.	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	Direct electron transport as a possible mechanism of electrogenic activity across a range of benthic cyanobacteria in a photosynthetic microbial fuel cell. New Zealand Journal of Botany, 2020, 58, 378-388.	1.1	2
40	Biology and biotechnological applications of microalgae and photosynthetic prokaryotes: part 2. New Zealand Journal of Botany, 2020, 58, 275-333.	1.1	2
41	Anti-biofouling functional surfaces for marine aquaculture. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 639, 128313.	4.7	2
42	Biology and biotechnological applications of microalgae and photosynthetic prokaryotes: Part 1. New Zealand Journal of Botany, 2019, 57, 65-69.	1.1	1
43	PEROXYNITRITE FORMATION AND MITOCHONDRIAL CALCIUM EFFLUX MAY BE INVOLVED IN CELL DEATH CAUSED BY THE PARKINSONIAN NEUROTOXIN MPP+. Biochemical Society Transactions, 1996, 24, 544S-544S.	3.4	0
44	MITOCHONDRIAL TURNOVER AND DEGRADATION DURING APOPTOSIS IN PC12 CELLS. Biochemical Society Transactions, 1996, 24, 544S-544S.	3.4	0
45	INDUCTION OF THE MITOCHONDRIAL PERMEABILITY TRANSITION BY PEROXYNITRITE. Biochemical Society Transactions, 1997, 25, 383S-383S.	3.4	0