Damian W Laird

List of Publications by Year
in descending order

27 papers	805 citations	471509 17 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	988 citing authors

#	Article	IF	Citations
1	Pilot-scale self-cooling microalgal closed photobioreactor for biomass production and electricity generation. Algal Research, 2020, 45, 101731.	4.6	37
2	Outdoor phycocyanin production in a standalone thermally-insulated photobioreactor. Bioresource Technology, 2020, 315, 123865.	9.6	18
3	Zn Metal Atom Doping on the Surface Plane of One-Dimesional NiMoO₄ Nanorods with Improved Redox Chemistry. ACS Applied Materials & Interfaces, 2020, 12, 44815-44829.	8.0	67
4	Does growing Nannochloropsis sp. in innovative flat plate photobioreactors result in changes to fatty acid and protein composition?. Journal of Applied Phycology, 2020, 32, 3619-3629.	2.8	4
5	Energy efficiency analysis of outdoor standalone photovoltaic-powered photobioreactors coproducing lipid-rich algal biomass and electricity. Applied Energy, 2020, 275, 115403.	10.1	17
6	Effect of organic carbon source and nutrient depletion on the simultaneous production of a high value bioplastic and a specialty pigment by Arthrospira platensis. Algal Research, 2020, 47, 101844.	4.6	18
7	Microalgae: A potential sustainable commercial source of sterols. Algal Research, 2020, 46, 101772.	4.6	79
8	Co-cultivation and stepwise cultivation of Chaetoceros muelleri and Amphora sp. for fucoxanthin production under gradual salinity increase. Journal of Applied Phycology, 2019, 31, 1535-1544.	2.8	27
9	Stepwise culture approach optimizes the biomass productivity of microalgae cultivated using an incremental salinity increase strategy. Biomass and Bioenergy, 2019, 127, 105274.	5.7	24
10	Can solar control infrared blocking films be used to replace evaporative cooling for growth of Nannochloropsis sp. in plate photobioreactors?. Algal Research, 2019, 39, 101441.	4.6	15
11	Light management technologies for increasing algal photobioreactor efficiency. Algal Research, 2019, 39, 101433.	4.6	139
12	Sustainable phycocyanin production from Arthrospira platensis using solar-control thin film coated photobioreactor. Biochemical Engineering Journal, 2019, 141, 232-238.	3.6	26
13	Egg shell membrane template stabilises formation of Î²-NiMoO4 nanowires and enhances hybrid supercapacitor behaviour. Materials Letters, 2019, 236, 64-68.	2.6	32
14	The effect of gradual increase in salinity on the biomass productivity and biochemical composition of several marine, halotolerant, and halophilic microalgae. Journal of Applied Phycology, 2018, 30, 1453-1464.	2.8	60
15	From carbon waste to carbon product: Converting oxalate to polyhydroxybutyrate using a mixed microbial culture. Journal of Environmental Chemical Engineering, 2017, 5, 2362-2365.	6.7	8
16	Sodium peroxide fusion for reliable determination of gold in ores and metallurgical samples. International Journal of Mineral Processing, 2017, 168, 35-39.	2.6	3
17	Halo-adapted microalgae for fucoxanthin production: Effect of incremental increase in salinity. Algal Research, 2017, 28, 66-73.	4.6	60
18	Contributions of Root WSC during Grain Filling in Wheat under Drought. Frontiers in Plant Science, 2016, 7, 904.	3.6	10

#	Article	IF	Citations
19	Is There Ni in My Liquor? A Hands-On Laboratory Exercise for Relating Chemistry to Extractive Metallurgy. Journal of Chemical Education, 2013, 90, 1671-1674.	2.3	3
20	Volatile Products from the Degradation of Organics in a Synthetic Bayer Liquor. Industrial & Engineering Chemistry Research, 2013, 52, 3613-3617.	3.7	11
21	Estimating the flammability of vapours above refinery wastewater laden with hydrocarbon mixtures. Fire Safety Journal, 2012, 51, 61-67.	3.1	9
22	Decomposition of Bayer process organics: Phenolates, polyalcohols, and additional carboxylates. Hydrometallurgy, 2011, 107, 68-73.	4.3	20
23	Chemical investigation of seven Australasian Cystophora species: New chemistry and taxonomic insights. Biochemical Systematics and Ecology, 2010, 38, 187-194.	1.3	14
24	Decomposition of Bayer process organics: Low-molecular-weight carboxylates. Hydrometallurgy, 2009, 99, 51-57.	4.3	25
25	Pycnanthuquinone C, an Unusual 6,6,5-Tricyclic Geranyltoluquinone from the Western Australian Brown AlgaCystophora harveyi. Journal of Natural Products, 2007, 70, 671-674.	3.0	27
26	Halogenated Cyclic Peptides Isolated from the Sponge Corticium sp.. Journal of Natural Products, 2007, 70, 741-746.	3.0	34
27	Tetraprenyltoluquinols from the brown alga Cystophora fibrosa. Phytochemistry, 2006, 67, 944-955.	2.9	18