Naomi J Boxall

List of Publications by Year
in descending order

32 papers	890 citations	516710 16 h-index	526287 27 g-index
32 all docs	32 docs citations	32 times ranked	667 citing authors

#	Article	IF	Citations
1	Recent progress in biohydrometallurgy and microbial characterisation. Hydrometallurgy, 2018, 180, 7-25.	4.3	137
2	Application of indirect non-contact bioleaching for extracting metals from waste lithium-ion batteries. Journal of Hazardous Materials, 2018, 360, 504-511.	12.4	81
3	In a quest for engineering acidophiles for biomining applications: challenges and opportunities. Genes, 2018, 9, 116.	2.4	73
4	Lithium battery recycling in Australia: defining the status and identifying opportunities for the development of a new industry. Journal of Cleaner Production, 2019, 215, 1279-1287.	9.3	68
5	Prospective directions for biohydrometallurgy. Hydrometallurgy, 2020, 195, 105376.	4.3	67
6	E-Waste Recycling and Resource Recovery: A Review on Technologies, Barriers and Enablers with a Focus on Oceania. Metals, 2021, 11, 1313.	2.3	64
7	Growth and activity of pure and mixed bioleaching strains on low grade chalcopyrite ore. Minerals Engineering, 2008, 21, 93-99.	4.3	49
8	Urban mining of lithium-ion batteries in Australia: Current state and future trends. Minerals Engineering, 2018, 128, 45-55.	4.3	45
9	Salt-tolerant microorganisms potentially useful for bioleaching operations where fresh water is scarce. Minerals Engineering, 2015, 75, 126-132.	4.3	40
10	Multistage leaching of metals from spent lithium ion battery waste using electrochemically generated acidic lixiviant. Waste Management, 2018, 74, 435-445.	7.4	30
11	Potential of metals leaching from printed circuit boards with biological and chemical lixiviants. Hydrometallurgy, 2020, 196, 105433.	4.3	29
12	Effect of high sulfate concentrations on chalcopyrite bioleaching and molecular characterisation of the bioleaching microbial community. Hydrometallurgy, 2017, 168, 32-39.	4.3	25
13	Genome-based classification of two halotolerant extreme acidophiles, Acidihalobacter prosperus V6 (=DSM 14174 =JCM 32253) and 'Acidihalobacter ferrooxidans' V8 (=DSM 14175 =JCM 32254) as two new species, Acidihalobacter aeolianus sp. nov. and Acidihalobacter ferrooxydans sp. nov., respectively. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1557-1565.	1.7	25
14	Recovery of Metals from Waste Lithium Ion Battery Leachates Using Biogenic Hydrogen Sulfide. Minerals (Basel, Switzerland), 2019, 9, 563.	2.0	24
15	Chloride ion tolerance and pyrite bioleaching capabilities of pure and mixed halotolerant, acidophilic iron- and sulfur-oxidizing cultures. Minerals Engineering, 2018, 120, 87-93.	4.3	22
16	Complete genome sequence of Acidihalobacter prosperus strain F5, an extremely acidophilic, iron- and sulfur-oxidizing halophile with potential industrial applicability in saline water bioleaching of chalcopyrite. Journal of Biotechnology, 2017, 262, 56-59.	3.8	17
17	Draft Genome Sequence of the Acidophilic, Halotolerant, and Iron/Sulfur-Oxidizing Acidihalobacter prosperus DSM 14174 (Strain V6). Genome Announcements, 2017, 5, .	0.8	15
18	A Comparison of Methods for the Characterisation of Waste-Printed Circuit Boards. Metals, 2021, 11, 1935.	2.3	12

#	Article	IF	Citations
19	Molecular characterisation of the microbial community of a full-scale bioreactor treating Bayer liquor organic waste. Minerals Engineering, 2011, 24, 1094-1099.	4.3	10
20	Comparison of microbial communities in pilot-scale bioreactors treating Bayer liquor organic wastes. Biodegradation, 2011, 22, 397-407.	3.0	10
21	Quantitative proteomics using SWATH-MS identifies mechanisms of chloride tolerance in the halophilic acidophile Acidihalobacter prosperus DSM 14174. Research in Microbiology, 2018, 169, 638-648.	2.1	10
22	Draft Genome Sequence of Acidihalobacter ferrooxidans DSM 14175 (Strain V8), a New Iron- and Sulfur-Oxidizing, Halotolerant, Acidophilic Species. Genome Announcements, 2017, 5, .	0.8	6
23	Recent Advances in Biomining and Microbial Characterisation. Solid State Phenomena, 0, 262, 33-37.	0.3	5
24	Preservation of salt-tolerant acidophiles used for chalcopyrite bioleaching: Assessment of cryopreservation, liquid-drying and cold storage. Minerals Engineering, 2017, 106, 91-96.	4.3	5
25	Characterisation of Oxalate-Degrading Microorganisms in Bioreactors Treating Bayer Liquor Organic Materials. Advanced Materials Research, 0, 71-73, 129-132.	0.3	4
26	Biosolubilisation of Metals and Metalloids. Environmental Chemistry for A Sustainable World, 2017, , 233-283.	0.5	4
27	Effect of Initial Cell Concentration on Bio-Oxidation of Pyrite before Gold Cyanidation. Minerals (Basel, Switzerland), 2021, 11, 834.	2.0	4
28	Arsenic-interacting plant proteins as templates for arsenic specific flotation collectors? A review. Minerals Engineering, 2014, 64, 67-77.	4.3	3
29	Increasing cell concentration does not affect specific ferrous iron oxidation rate in a continuously stirred tank bioreactor. Hydrometallurgy, 2018, 181, 189-194.	4.3	3
30	Characterisation of a Novel Genus of Oxalate-Degrading Beta-<i>Proteobacteria</i> Isolated from a Full-Scale Bioreactor Treating Bayer Liquor Organic Wastes. Advanced Materials Research, 0, 825, 79-83.	0.3	2
31	Application of biotechnology in iron ore beneficiation. , 2022, , 457-486.		1
32	Chalcopyrite Bioleaching at High Sulfate Concentrations. Advanced Materials Research, 2015, 1130, 396-399.	0.3	0