Benjamin M Butler

List of Publications by Year
in descending order

16	376	933447 10	940533 16
papers	citations	h-index	g-index

18	18	18	323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Meta-analysis of heavy metal effects on soil enzyme activities. Science of the Total Environment, 2020, 737, 139744.	8.0	152
2	Soil quality indices for metal(loid) contamination: An enzymatic perspective. Land Degradation and Development, 2020, 31, 2700-2719.	3.9	44
3	Enzyme activities and microbial functional diversity in metal(loid) contaminated soils near to a copper smelter. Science of the Total Environment, 2021, 779, 146423.	8.0	30
4	Mineralâ€“nutrient relationships in African soils assessed using cluster analysis of X-ray powder diffraction patterns and compositional methods. Geoderma, 2020, 375, 114474.	5.1	26
5	Mirabilite solubility in equilibrium sea ice brines. Geochimica Et Cosmochimica Acta, 2016, 182, 40-54.	3.9	24
6	powdR: An R package for quantitative mineralogy using full pattern summation of X-ray powder diffraction data. Computers and Geosciences, 2021, 147, 104662.	4.2	18
7	An investigation of mineral dynamics in frozen seawater brines by direct measurement with synchrotron X â€ray powder diffraction. Journal of Geophysical Research: Oceans, 2015, 120, 5686-5697.	2.6	17
8	Using rule-based regression models to predict and interpret soil properties from X-ray powder diffraction data. Geoderma, 2018, 329, 43-53.	5.1	16
9	Pre-treatment of soil X-ray powder diffraction data for cluster analysis. Geoderma, 2019, 337, 413-424.	5.1	12
10	The effect of mirabilite precipitation on the absolute and practical salinities of sea ice brines. Marine Chemistry, 2016, 184, 21-31.	2.3	11
11	Gypsum and hydrohalite dynamics in sea ice brines. Geochimica Et Cosmochimica Acta, 2017, 213, 17-34.	3.9	8
12	AUTOMATED FULL-PATTERN SUMMATION OF X-RAY POWDER DIFFRACTION DATA FOR HIGH-THROUGHPUT QUANTIFICATION OF CLAY-BEARING MIXTURES. Clays and Clay Minerals, 2021, 69, 38-51.	1.3	8
13	A Geochemical and Agronomic Evaluation of Technosols Made from Construction and Demolition Fines Mixed with Green Waste Compost. Agronomy, 2021, 11, 649.	3.0	5
14	Mineral sources of aqua regia extractable base cations in Scottish soils interpreted from Cubist models trained with quantitative mineralogy data. Chemical Geology, 2020, 551, 119773.	3.3	3
15	A slow-cooling-ratein situcell for long-duration studies of mineral precipitation in cold aqueous environments on Earth and other planetary bodies. Journal of Applied Crystallography, 2018, 51, 1197-1210.	4.5	1
16	Laboratory exploration of mineral precipitates from Europa's subsurface ocean. Journal of Applied Crystallography, 2021, 54, 1455-1479.	4.5	1