

# Bas Vriens

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

915  
citations

687363

13  
h-index

752698

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Loads and elimination of trace elements in wastewater in the Great Lakes basin. <i>Water Research</i> , 2022, 209, 117949.	11.3	12
2	Mass-Balance Modeling of Metal Loading Rates in the Great Lakes. <i>Environmental Research</i> , 2022, 205, 112557.	7.5	8
3	Geochemical and mineralogical assessment of reactivity in a full-scale heterogeneous waste-rock pile. <i>Minerals Engineering</i> , 2020, 145, 106089.	4.3	13
4	Scale dependence of effective geochemical rates in weathering mine waste rock. <i>Journal of Contaminant Hydrology</i> , 2020, 234, 103699.	3.3	16
5	Mine Waste Rock: Insights for Sustainable Hydrogeochemical Management. <i>Minerals (Basel)</i> , Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.9	58
6	Mineralogical controls on drainage quality during the weathering of waste rock. <i>Applied Geochemistry</i> , 2019, 108, 104376.	3.0	13
7	Mobilization of Metal(oid) Oxyanions through Circumneutral Mine Waste-Rock Drainage. <i>ACS Omega</i> , 2019, 4, 10205-10215.	3.5	22
8	Poregas distributions in waste-rock piles affected by climate seasonality and physicochemical heterogeneity. <i>Applied Geochemistry</i> , 2019, 100, 305-315.	3.0	13
9	Long-term monitoring of waste-rock weathering at the Antamina mine, Peru. <i>Chemosphere</i> , 2019, 215, 858-869.	8.2	46
10	Biofilms in shower hoses. <i>Water Research</i> , 2018, 131, 274-286.	11.3	69
11	Localized Sulfide Oxidation Limited by Oxygen Supply in a Full-scale Waste-rock Pile. <i>Vadose Zone Journal</i> , 2018, 17, 1-14.	2.2	18
12	Microbial and geochemical controls on waste rock weathering and drainage quality. <i>Science of the Total Environment</i> , 2018, 640-641, 1004-1014.	8.0	37
13	Retention of uranium in cement systems: effects of cement degradation and complexing ligands. <i>Progress in Nuclear Science and Technology</i> , 2018, 5, 208-212.	0.3	6
14	Studying selenium and sulfur volatilisation by marine algae <i>Emiliana huxleyi</i> and <i>Thalassiosira oceanica</i> in culture. <i>Environmental Chemistry</i> , 2017, 14, 199.	1.5	13
15	Quantification of Element Fluxes in Wastewaters: A Nationwide Survey in Switzerland. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10943-10953.	10.0	62
16	Selenium Uptake and Methylation by the Microalga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 711-720.	10.0	71
17	Selenium Cycling Across Soil-Plant-Atmosphere Interfaces: A Critical Review. <i>Nutrients</i> , 2015, 7, 4199-4239.	4.1	319
18	Quantification of volatile-alkylated selenium and sulfur in complex aqueous media using solid-phase microextraction. <i>Journal of Chromatography A</i> , 2015, 1407, 11-20.	3.7	21

#	ARTICLE	IF	CITATIONS
19	Natural wetland emissions of methylated trace elements. Nature Communications, 2014, 5, 3035.	12.8	69
20	Quantification of Methylated Selenium, Sulfur, and Arsenic in the Environment. PLoS ONE, 2014, 9, e102906.	2.5	28
21	Assessing global cycling of selenium. , 2013, , 5-6.		1