

# Bernhard Dold

## List of Publications by Year in descending order

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36  
papers

2,154  
citations

304602

22  
h-index

360920

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1954  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal fluctuations and geochemical modeling of acid mine drainage in the semi-arid Puna region: The Pan de Azúcar Pb–Ag–Zn mine, Argentina. <i>Journal of South American Earth Sciences</i> , 2021, 109, 103197.	0.6	14
2	Release of trace elements during bioreductive dissolution of magnetite from metal mine tailings: Potential impact on marine environments. <i>Science of the Total Environment</i> , 2021, 788, 147579.	3.9	3
3	Dissolution kinetics and solubilities of copper sulfides in cyanide and hydrogen peroxide leaching: Applications to increase selective extractions. <i>Journal of Geochemical Exploration</i> , 2021, 230, 106848.	1.5	1
4	Sourcing of critical elements and industrial minerals from mine waste – The final evolutionary step back to sustainability of humankind?. <i>Journal of Geochemical Exploration</i> , 2020, 219, 106638.	1.5	20
5	Dissimilatory bioreduction of iron(III) oxides by <i>Shewanella loihica</i> under marine sediment conditions. <i>Marine Environmental Research</i> , 2019, 151, 104782.	1.1	15
6	Origin and geochemistry of arsenic in surface and groundwaters of Los Pozuelos basin, Puna region, Central Andes, Argentina. <i>Science of the Total Environment</i> , 2019, 697, 134085.	3.9	15
7	Strontium ( $^{87}\text{Sr}/^{86}\text{Sr}$ ) isotopes: A tracer for geochemical processes in mineralogically-complex mine wastes. <i>Applied Geochemistry</i> , 2018, 99, 42-54.	1.4	14
8	Acid rock drainage prediction: A critical review. <i>Journal of Geochemical Exploration</i> , 2017, 172, 120-132.	1.5	141
9	Optimization and Quality Control of Automated Quantitative Mineralogy Analysis for Acid Rock Drainage Prediction. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 12.	0.8	13
10	Mine Waste Characterization, Management and Remediation. <i>Minerals (Basel, Switzerland)</i> , 2015, 5, 82-85.	0.8	35
11	Evolution of Geochemical and Mineralogical Parameters during In Situ Remediation of a Marine Shore Tailings Deposit by the Implementation of a Wetland Cover. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 578-602.	0.8	9
12	Liberation of Adsorbed and Co-Precipitated Arsenic from Jarosite, Schwertmannite, Ferrihydrite, and Goethite in Seawater. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 603-620.	0.8	14
13	Jarosite versus Soluble Iron-Sulfate Formation and Their Role in Acid Mine Drainage Formation at the Pan de Azúcar Mine Tailings (Zn-Pb-Ag), NW Argentina. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 477-502.	0.8	43
14	Mineralogical and Geochemical Controls in Biomining and Bioremediation. <i>Soil Biology</i> , 2014, , 119-135.	0.6	3
15	Evolution of Acid Mine Drainage Formation in Sulphidic Mine Tailings. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 621-641.	0.8	205
16	Submarine Tailings Disposal (STD) – A Review. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 642-666.	0.8	84
17	Element cycling during the transition from alkaline to acidic environment in an active porphyry copper tailings impoundment, Chuquicamata, Chile. <i>Journal of Geochemical Exploration</i> , 2014, 140, 23-40.	1.5	38
18	Biogeometallurgical pre-mining characterization of ore deposits: an approach to increase sustainability in the mining process. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7777-7786.	2.7	17

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19	Remediation of a Marine Shore Tailings Deposit and the Importance of Water-Rock Interaction on Element Cycling in the Coastal Aquifer. <i>Environmental Science &amp; Technology</i> , 2011, 45, 4876-4883.	4.6	22
20	Sulfide oxidation and acid mine drainage formation within two active tailings impoundments in the Golden Quadrangle of the Apuseni Mountains, Romania. <i>Journal of Hazardous Materials</i> , 2011, 189, 624-639.	6.5	33
21	Geochemistry of highly acidic mine water following disposal into a natural lake with carbonate bedrock. <i>Applied Geochemistry</i> , 2010, 25, 1107-1119.	1.4	9
22	Environmental and socioeconomic assessment of impacts by mining activities—a case study in the Certej River catchment, Western Carpathians, Romania. <i>Environmental Science and Pollution Research</i> , 2009, 16, 14-26.	2.7	44
23	Water management for acid mine drainage control at the polymetallic Zn-Pb-(Ag-Bi-Cu) deposit Cerro de Pasco, Peru. <i>Journal of Geochemical Exploration</i> , 2009, 100, 133-141.	1.5	32
24	Sustainability in metal mining: from exploration, over processing to mine waste management. <i>Reviews in Environmental Science and Biotechnology</i> , 2008, 7, 275-285.	3.9	111
25	Geochemistry and stable isotope composition of fresh alkaline porphyry copper tailings: Implications on sources and mobility of elements during transport and early stages of deposition. <i>Chemical Geology</i> , 2008, 256, 62-76.	1.4	59
26	Mineralogical and geochemical study of element mobility at the sulfide-rich Excelsior waste rock dump from the polymetallic Zn-Pb-(Ag-Bi-Cu) deposit, Cerro de Pasco, Peru. <i>Journal of Geochemical Exploration</i> , 2007, 92, 97-110.	1.5	93
27	Stable Hydrogen and Oxygen Isotope Composition of Waters from Mine Tailings in Different Climatic Environments. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1870-1876.	4.6	22
28	Microbial communities in a porphyry copper tailings impoundment and their impact on the geochemical dynamics of the mine waste. <i>Environmental Microbiology</i> , 2007, 9, 298-307.	1.8	102
29	Element Flows Associated with Marine Shore Mine Tailings Deposits. <i>Environmental Science &amp; Technology</i> , 2006, 40, 752-758.	4.6	51
30	Low Molecular Weight Carboxylic Acids in Oxidizing Porphyry Copper Tailings. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2515-2521.	4.6	26
31	Sulfur Speciation and Stable Isotope Trends of Water-Soluble Sulfates in Mine Tailings Profiles. <i>Environmental Science &amp; Technology</i> , 2005, 39, 5650-5656.	4.6	48
32	Speciation of the most soluble phases in a sequential extraction procedure adapted for geochemical studies of copper sulfide mine waste. <i>Journal of Geochemical Exploration</i> , 2003, 80, 55-68.	1.5	246
33	Dissolution kinetics of schwertmannite and ferrihydrite in oxidized mine samples and their detection by differential X-ray diffraction (DXRD). <i>Applied Geochemistry</i> , 2003, 18, 1531-1540.	1.4	100
34	A mineralogical and geochemical study of element mobility in sulfide mine tailings of Fe oxide Cu-Au deposits from the Punta del Cobre belt, northern Chile. <i>Chemical Geology</i> , 2002, 189, 135-163.	1.4	141
35	Element cycling and secondary mineralogy in porphyry copper tailings as a function of climate, primary mineralogy, and mineral processing. <i>Journal of Geochemical Exploration</i> , 2001, 74, 3-55.	1.5	308
36	Basic Concepts in Environmental Geochemistry of Sulfidic Mine-Waste Management. , 0, , .		23