

Pablo A Pasten

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,450
citations

331670

21
h-index

330143

37
g-index

50
all docs

50
docs citations

50
times ranked

1838
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Aspects of a Major ARD Source at El Indio Au-Cu-As District, North-Central Chile. <i>Mine Water and the Environment</i> , 2022, 41, 210-224.	2.0	2
2	A simple low-cost approach for transport parameter determination in mountain rivers. <i>River Research and Applications</i> , 2022, 38, 173-181.	1.7	1
3	A comparative study of soil metal concentrations in Chilean urban parks using four pollution indexes. <i>Applied Geochemistry</i> , 2022, 141, 105230.	3.0	13
4	Settling of copper-rich suspended particles from acid drainage neutralization as a function of chemical composition and particle size distribution. <i>Applied Geochemistry</i> , 2022, 139, 105239.	3.0	3
5	Challenges and opportunities for drinking water treatment residuals (DWTRs) in metal-rich areas: an integrated approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 65599-65612.	5.3	3
6	Assessment of a conservative mixing model for the evaluation of constituent behavior below river confluences, Elqui River Basin, Chile. <i>River Research and Applications</i> , 2021, 37, 967-978.	1.7	7
7	Copper entrapment and immobilization during cement hydration in concrete mixtures containing copper tailings. <i>Journal of Cleaner Production</i> , 2021, 312, 127547.	9.3	12
8	Partitioning of copper at the confluences of Andean rivers. <i>Chemosphere</i> , 2020, 259, 127318.	8.2	11
9	Cell-free biosensors for rapid detection of water contaminants. <i>Nature Biotechnology</i> , 2020, 38, 1451-1459.	17.5	221
10	Localising urban sustainability indicators: The CEDEUS indicator set, and lessons from an expert-driven process. <i>Cities</i> , 2020, 101, 102683.	5.6	49
11	An integrated study of health, environmental and socioeconomic indicators in a mining-impacted community exposed to metal enrichment. <i>Environmental Geochemistry and Health</i> , 2019, 41, 2505-2519.	3.4	12
12	Field and Numerical Investigation of Transport Mechanisms in a Surface Storage Zone. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 938-959.	2.8	22
13	Chlorine Reduction Kinetics and its Mass Balance in Copper Premise Plumbing Systems During Corrosion Events. <i>Materials</i> , 2019, 12, 3676.	2.9	3
14	Rusty river: Effects of tufa precipitation on sediment entrainment in the Estero Morales in the central Chilean Andes. <i>Science of the Total Environment</i> , 2019, 652, 822-835.	8.0	5
15	Water Quality: Trends and Challenges. <i>Global Issues in Water Policy</i> , 2018, , 25-51.	0.1	8
16	A new aerobic chemolithoautotrophic arsenic oxidizing microorganism isolated from a high Andean watershed. <i>Biodegradation</i> , 2018, 29, 59-69.	3.0	20
17	Enhancement of particle aggregation in the presence of organic matter during neutralization of acid drainage in a stream confluence and its effect on arsenic immobilization. <i>Chemosphere</i> , 2017, 180, 574-583.	8.2	16
18	Porous Media Characterization to Simulate Water and Heat Transport through Green Roof Substrates. <i>Vadose Zone Journal</i> , 2017, 16, 1-14.	2.2	23

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19	Arsenite and arsenate immobilization by preformed and concurrently formed disordered mackinawite (FeS). <i>Chemical Geology</i> , 2017, 475, 62-75.	3.3	23
20	Response of suspended sediment particle size distributions to changes in water chemistry at an Andean mountain stream confluence receiving arsenic rich acid drainage. <i>Hydrological Processes</i> , 2017, 31, 296-307.	2.6	23
21	Copper Corrosion and Biocorrosion Events in Premise Plumbing. <i>Materials</i> , 2017, 10, 1036.	2.9	59
22	Daily Freeze-Thaw Cycles Affect the Transport of Metals in Streams Affected by Acid Drainage. <i>Water (Switzerland)</i> , 2016, 8, 74.	2.7	13
23	Active and legacy mining in an arid urban environment: challenges and perspectives for Copiapó ³ , Northern Chile. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1001-1014.	3.4	36
24	Effect of substrate depth and roof layers on green roof temperature and water requirements in a semi-arid climate. <i>Ecological Engineering</i> , 2016, 97, 624-632.	3.6	42
25	Incomplete Mixing in the Fate and Transport of Arsenic at a River Affected by Acid Drainage. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	28
26	Potential accumulation of contaminated sediments in a reservoir of a high-Andean watershed: Morphodynamic connections with geochemical processes. <i>Water Resources Research</i> , 2015, 51, 3181-3192.	4.2	13
27	Boron accumulation in <i>Puccinellia frigida</i> , an extremely tolerant and promising species for boron phytoremediation. <i>Journal of Geochemical Exploration</i> , 2015, 150, 25-34.	3.2	31
28	Sediment composition for the assessment of water erosion and nonpoint source pollution in natural and fire-affected landscapes. <i>Science of the Total Environment</i> , 2015, 512-513, 26-35.	8.0	14
29	Arsenic speciation in sinter mineralization from a hydrothermal channel of El Tatio geothermal field, Chile. <i>Journal of Hydrology</i> , 2014, 518, 434-446.	5.4	21
30	Differential arsenic binding in the sediments of two sites in Chile's lower Loa River basin. <i>Science of the Total Environment</i> , 2014, 466-467, 387-396.	8.0	19
31	Natural attenuation process via microbial oxidation of arsenic in a high Andean watershed. <i>Science of the Total Environment</i> , 2014, 466-467, 490-502.	8.0	48
32	Multi-technique approach to assess the effects of microbial biofilms involved in copper plumbing corrosion. <i>Bioelectrochemistry</i> , 2014, 97, 15-22.	4.6	21
33	Modeling MIC copper release from drinking water pipes. <i>Bioelectrochemistry</i> , 2014, 97, 23-33.	4.6	12
34	Integrating Fluorescent Dye Flow-Curve Testing and Acoustic Doppler Velocimetry Profiling for In Situ Hydraulic Evaluation and Improvement of Clarifier Performance. <i>Water Environment Research</i> , 2010, 82, 675-685.	2.7	3
35	Culture dependent and independent analyses of bacterial communities involved in copper plumbing corrosion. <i>Journal of Applied Microbiology</i> , 2010, 109, 771-782.	3.1	48
36	Empirical model for dissolved oxygen depletion during corrosion of drinking water copper pipes. <i>Corrosion Science</i> , 2010, 52, 2250-2257.	6.6	16

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37	Increase of the concentration of dissolved copper in drinking water systems due to flow-induced nanoparticle release from surface corrosion by-products. <i>Corrosion Science</i> , 2010, 52, 3492-3503.	6.6	21
38	Atomic-Scale Structure of Biogenic Materials by Total X-ray Diffraction: A Study of Bacterial and Fungal MnO ₂ . <i>ACS Nano</i> , 2009, 3, 441-445.	14.6	43
39	Influence of solid corrosion by-products on the consumption of dissolved oxygen in copper pipes. <i>Corrosion Science</i> , 2009, 51, 1030-1037.	6.6	23
40	Partitioning geochemistry of arsenic and antimony, El Tatio Geysers Field, Chile. <i>Applied Geochemistry</i> , 2009, 24, 664-676.	3.0	63
41	Chapter 15 Arsenic Speciation in Solid Phases of Geothermal Fields. <i>Developments in Earth and Environmental Sciences</i> , 2007, 7, 417-440.	0.1	3
42	Evaluation of rapid methods for in-situ characterization of organic contaminant load and biodegradation rates in winery wastewater. <i>Water Science and Technology</i> , 2007, 56, 129-137.	2.5	8
43	Towards a benchmarking model for winery wastewater treatment and disposal. <i>Water Science and Technology</i> , 2007, 56, 153-160.	2.5	19
44	Enhanced Copper Release from Pipes by Alternating Stagnation and Flow Events. <i>Environmental Science & Technology</i> , 2007, 41, 7430-7436.	10.0	44
45	Manganese Oxides: Parallels between Abiotic and Biotic Structures. <i>Journal of the American Chemical Society</i> , 2006, 128, 11188-11198.	13.7	134
46	Distribution of copper, zinc, lead and cadmium concentrations in stream sediments from the Mapocho River in Santiago, Chile. <i>Journal of Geochemical Exploration</i> , 2006, 91, 71-80.	3.2	100
47	Nanocrystalline Todorokite-Like Manganese Oxide Produced by Bacterial Catalysis. <i>Journal of the American Chemical Society</i> , 2003, 125, 14284-14285.	13.7	68