

Karen A Hudson-Edwards

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,706
citations

236833

25
h-index

197736

49
g-index

54
all docs

54
docs citations

54
times ranked

3296
citing authors

#	ARTICLE	IF	CITATIONS
1	Thank You to Our 2021 Peer Reviewers. <i>GeoHealth</i> , 2022, 6, e2022GH000639.	1.9	0
2	Environmental occurrence and health risk assessment of arsenic in Iran: a systematic review and Meta-analysis. <i>Human and Ecological Risk Assessment (HERA)</i> , 2022, 28, 683-710.	1.7	5
3	Characteristics and mechanisms of Pb(II) sorption onto Fe-rich waste water treatment residue (WTR): A potential sustainable Pb immobilisation technology for soils. <i>Journal of Hazardous Materials</i> , 2021, 402, 123433.	6.5	14
4	Metagenomic exploration of multi-resistance genes linked to microbial attributes in active nonferrous metal(loid) tailings. <i>Environmental Pollution</i> , 2021, 273, 115667.	3.7	26
5	Thank You to Our 2020 Peer Reviewers. <i>GeoHealth</i> , 2021, 5, e2021GH000404.	1.9	0
6	River sediment geochemistry and provenance following the Mount Polley mine tailings spill, Canada: The role of hydraulic sorting and sediment dilution processes in contaminant dispersal and remediation. <i>Applied Geochemistry</i> , 2021, 134, 105086.	1.4	2
7	Geochemistry, Mineralogy and Microbiology of Cobalt in Mining-Affected Environments. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 22.	0.8	14
8	Seasonal variations in arsenic mobility and bacterial diversity: The case study of Huangshui Creek, Shimen Realgar Mine, Hunan Province, China. <i>Science of the Total Environment</i> , 2020, 749, 142353.	3.9	28
9	Characterization of Mining-Related Aromatic Contaminants in Active and Abandoned Metal(loid) Tailings Ponds. <i>Environmental Science & Technology</i> , 2020, 54, 15097-15107.	4.6	25
10	Bioleaching to reprocess sulfidic polymetallic primary mining residues: Determination of metal leaching mechanisms. <i>Hydrometallurgy</i> , 2020, 197, 105484.	1.8	29
11	Thank You to Our 2019 Peer Reviewers. <i>GeoHealth</i> , 2020, 4, e2020GH000250.	1.9	0
12	Bacterial shifts during in-situ mineralization bio-treatment to non-ferrous metal(loid) tailings. <i>Environmental Pollution</i> , 2019, 255, 113165.	3.7	19
13	Uptake and release of arsenic and antimony in alunite-jarosite and beudantite group minerals. <i>American Mineralogist</i> , 2019, 104, 633-640.	0.9	19
14	Thank You to Our 2018 Peer Reviewers. <i>GeoHealth</i> , 2019, 3, 82-83.	1.9	0
15	Origin and Fate of Vanadium in the Hazeltine Creek Catchment following the 2014 Mount Polley Mine Tailings Spill in British Columbia, Canada. <i>Environmental Science & Technology</i> , 2019, 53, 4088-4098.	4.6	27
16	Bacterial diversity in typical abandoned multi-contaminated nonferrous metal(loid) tailings during natural attenuation. <i>Environmental Pollution</i> , 2019, 247, 98-107.	3.7	61
17	Water quality impacts and river system recovery following the 2014 Mount Polley mine tailings dam spill, British Columbia, Canada. <i>Applied Geochemistry</i> , 2018, 91, 64-74.	1.4	53
18	Influence of pH and Temperature on Basaluminite Dissolution Rates. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 203-209.	1.2	5

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19	Dissolved Mn(III) in water treatment works: Prevalence and significance. <i>Water Research</i> , 2018, 140, 181-190.	5.3	27
20	Mining and Planetary Health: A GeoHealth-Ed Special Collection. <i>GeoHealth</i> , 2018, 2, 278-282.	1.9	4
21	Integration of DSM and SPH to Model Tailings Dam Failure Run-Out Slurry Routing Across 3D Real Terrain. <i>Water (Switzerland)</i> , 2018, 10, 1087.	1.2	19
22	Geochemistry, Mineralogy and Microbiology of Molybdenum in Mining-Affected Environments. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 42.	0.8	29
23	China's most typical nonferrous organic-metal facilities own specific microbial communities. <i>Scientific Reports</i> , 2018, 8, 12570.	1.6	22
24	Dissolution of realgar by <i>Acidithiobacillus ferrooxidans</i> in the presence and absence of zerovalent iron: Implications for remediation of iron-deficient realgar tailings. <i>Chemosphere</i> , 2018, 209, 381-391.	4.2	17
25	Coupling effect of Fe ³⁺ (aq) and biological, nano-sized FeS-coated limestone on the removal of redox-sensitive contaminants (As, Sb and Cr): Implications for in situ passive treatment of acid mine drainage. <i>Applied Geochemistry</i> , 2017, 80, 102-111.	1.4	18
26	The environmental and geomorphological impacts of historical gold mining in the Ohinemuri and Waihou river catchments, Coromandel, New Zealand. <i>Geomorphology</i> , 2017, 295, 159-175.	1.1	26
27	Community exposure and vulnerability to water quality and availability: a case study in the mining-affected Pazña Municipality, Lake Poopó Basin, Bolivian Altiplano. <i>Environmental Management</i> , 2017, 60, 555-573.	1.2	22
28	Enhancing As(V) adsorption and passivation using biologically formed nano-sized FeS coatings on limestone: Implications for acid mine drainage treatment and neutralization. <i>Chemosphere</i> , 2017, 168, 529-538.	4.2	34
29	Tackling mine wastes. <i>Science</i> , 2016, 352, 288-290.	6.0	116
30	The role of nano-sized manganese coatings on bone char in removing arsenic(V) from solution: Implications for permeable reactive barrier technologies. <i>Chemosphere</i> , 2016, 153, 146-154.	4.2	31
31	A GIS-based method for evaluating sediment storage and transport in large mining-affected river systems. <i>Environmental Earth Sciences</i> , 2015, 74, 4685-4698.	1.3	6
32	Influence of pH and temperature on alunite dissolution: Rates, products and insights on mechanisms from atomistic simulation. <i>Chemical Geology</i> , 2015, 419, 1-9.	1.4	20
33	Remediation of a historically Pb contaminated soil using a model natural Mn oxide waste. <i>Chemosphere</i> , 2015, 138, 211-217.	4.2	27
34	Scorodite precipitation in the presence of antimony. <i>Chemical Geology</i> , 2015, 406, 1-9.	1.4	21
35	Mine tailings dams: Characteristics, failure, environmental impacts, and remediation. <i>Applied Geochemistry</i> , 2014, 51, 229-245.	1.4	545
36	Solid-phase phosphorus speciation in Saharan Bodéi Depression dusts and source sediments. <i>Chemical Geology</i> , 2014, 384, 16-26.	1.4	37

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37	Major and trace metal mobility during weathering of mine tailings: Implications for floodplain soils. <i>Applied Geochemistry</i> , 2012, 27, 562-576.	1.4	26
38	Geochemistry of As-, F- and B-bearing waters in and around San Antonio de los Cobres, Argentina, and implications for drinking and irrigation water quality. <i>Journal of Geochemical Exploration</i> , 2012, 112, 276-284.	1.5	22
39	Arsenic in the environment. <i>Arsenic in the Environment</i> , 2012, , 1-23.	0.0	7
40	Water and sediment quality of dry season pools in a dryland river system: the upper Leichhardt River, Queensland, Australia. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2050.	2.1	2
41	Fertilizing the Amazon and equatorial Atlantic with West African dust. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	184
42	Soil Cd, Cu, Pb and Zn contaminants around Mount Isa city, Queensland, Australia: Potential sources and risks to human health. <i>Applied Geochemistry</i> , 2010, 25, 841-855.	1.4	134
43	Mining and urban impacts on semi-arid freshwater aquatic systems: the example of Mount Isa, Queensland. <i>Journal of Environmental Monitoring</i> , 2009, 11, 977.	2.1	14
44	The dispersal and storage of sediment-associated metals in an arid river system: The Leichhardt River, Mount Isa, Queensland, Australia. <i>Environmental Pollution</i> , 2008, 152, 193-204.	3.7	43
45	Dissolution of lead- and lead-arsenic-jarosités at pH 2 and 8 and 20 °C: Insights from batch experiments. <i>Chemical Geology</i> , 2006, 229, 344-361.	1.4	72
46	Dissolution of jarosite [KFe ₃ (SO ₄) ₂ (OH) ₆] at pH 2 and 8: Insights from batch experiments and computational modelling. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 608-621.	1.6	114
47	Arsenic speciation in waters and sediment of ephemeral floodplain pools, R��os Agrio��Guadamar, Aznalc��llar, Spain. <i>Chemical Geology</i> , 2005, 219, 175-192.	1.4	45
48	The impact of tailings dam spills and clean-up operations on sediment and water quality in river systems: the R��os Agrio��Guadamar, Aznalc��llar, Spain. <i>Applied Geochemistry</i> , 2003, 18, 221-239.	1.4	112
49	Lead isotopic fingerprinting of heavy metal contamination, Rio Pilcomayo basin, Bolivia. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2002, 2, 225-233.	0.5	40
50	Sources, distribution and storage of heavy metals in the R��o Pilcomayo, Bolivia. <i>Journal of Geochemical Exploration</i> , 2001, 72, 229-250.	1.5	137
51	2000 years of sediment-borne heavy metal storage in the Yorkshire Ouse basin, NE England, UK. , 1999, 13, 1087-1102.		85
52	Mineralogy and geochemistry of alluvium contaminated by metal mining in the Rio Tinto area, southwest Spain. <i>Applied Geochemistry</i> , 1999, 14, 1015-1030.	1.4	272
53	Mediaeval Lead Pollution in the River Ouse at York, England. <i>Journal of Archaeological Science</i> , 1999, 26, 809-819.	1.2	48