

Ben J Williamson

List of Publications by Year in descending order

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48
papers

1,650
citations

236925

25
h-index

289244

40
g-index

52
all docs

52
docs citations

52
times ranked

1964
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the potential for rare-earth element resources from European red muds: examples from SeydiÅŸehir, Turkey and Parnassus-Giona, Greece. <i>Mineralogical Magazine</i> , 2016, 80, 43-61.	1.4	93
2	Occurrence and Origin of Andalusite in Peraluminous Felsic Igneous Rocks. <i>Journal of Petrology</i> , 2005, 46, 441-472.	2.8	89
3	Characterization of respirable volcanic ash from the SoufriÃƒre Hills volcano, Montserrat, with implications for human health hazards. <i>Bulletin of Volcanology</i> , 2003, 65, 346-362.	3.0	84
4	The nature and formation of cristobalite at the SoufriÃƒre Hills volcano, Montserrat: implications for the petrology and stability of silicic lava domes. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	84
5	Porphyry copper enrichment linked to excess aluminium in plagioclase. <i>Nature Geoscience</i> , 2016, 9, 237-241.	12.9	76
6	Trace element fractionation between PM10 and PM2.5 in coal mine dust: Implications for occupational respiratory health. <i>International Journal of Coal Geology</i> , 2019, 203, 52-59.	5.0	76
7	The β - α phase transition in volcanic cristobalite. <i>Journal of Applied Crystallography</i> , 2014, 47, 1205-1215.	4.5	73
8	The Chemistry of Quartz in Granitic Pegmatites of Southern Norway: Petrogenetic and Economic Implications. <i>Economic Geology</i> , 2015, 110, 1737-1757.	3.8	71
9	Role for lichen melanins in uranium remediation. <i>Nature</i> , 1998, 391, 649-650.	27.8	58
10	Geochemical Constraints from Zoned Hydrothermal Tourmalines on Fluid Evolution and Sn Mineralization: an Example from Fault Breccias at Roche, SW England. <i>Journal of Petrology</i> , 2000, 41, 1439-1453.	2.8	56
11	Lead Isotopes in Lichen Transplants around a Cu Smelter in Russia Determined by MC-ICP-MS Reveal Transient Records of Multiple Sources. <i>Environmental Science & Technology</i> , 2004, 38, 6522-6528.	10.0	54
12	Particulate matter produced during commercial sugarcane harvesting and processing: A respiratory health hazard?. <i>Atmospheric Environment</i> , 2017, 149, 34-46.	4.1	51
13	Generation of crystalline silica from sugarcane burning. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1459.	2.1	49
14	SEM-EDX analysis in the source apportionment of particulate matter on Hypogymnia physodes lichen transplants around the Cu smelter and former mining town of Karabash, South Urals, Russia. <i>Science of the Total Environment</i> , 2004, 322, 139-154.	8.0	48
15	Uranium Biosorption by the Lichen <i>Trapelia involuta</i> at a Uranium Mine. <i>Geomicrobiology Journal</i> , 2004, 21, 159-167.	2.0	44
16	The structure of volcanic cristobalite in relation to its toxicity; relevance for the variable crystalline silica hazard. <i>Particle and Fibre Toxicology</i> , 2012, 9, 44.	6.2	44
17	Impact of copper smelting on lakes in the southern Ural Mountains, Russia, inferred from chironomids. <i>Journal of Paleolimnology</i> , 2005, 33, 229-241.	1.6	42
18	The relationship between crustal magmatic underplating and granite genesis: an example from the Velay granite complex, Massif Central, France. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 1992, 83, 235-245.	0.3	41

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19	Lichen biomonitoring near Karabash Smelter Town, Ural Mountains, Russia, one of the most polluted areas in the world. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 221-226.	2.6	37
20	Bioaccumulation of lead by the lichen <i>Acarospora smaragdula</i> from smelter emissions. <i>New Phytologist</i> , 2000, 147, 591-599.	7.3	35
21	Characterisation of Airborne Particulate Pollution in The Cu Smelter and Former Mining Town of Karabash, South Ural Mountains of Russia. <i>Environmental Monitoring and Assessment</i> , 2004, 98, 235-259.	2.7	35
22	Production of potentially hazardous respirable silica airborne particulate from the burning of sugarcane. <i>Atmospheric Environment</i> , 2008, 42, 5558-5568.	4.1	34
23	Assessment of environmental impacts of active smelter operations and abandoned mines in Karabash, Ural Mountains of Russia. <i>Sustainable Development</i> , 2003, 11, 133-142.	12.5	33
24	A physico-chemical assessment of the health hazard of Mt. Vesuvius volcanic ash. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 191, 222-232.	2.1	33
25	Implications from inclusions in topaz for greisenisation and mineralisation in the Hensbarrow topaz granite, Cornwall, England. <i>Contributions To Mineralogy and Petrology</i> , 1997, 127, 119-128.	3.1	30
26	Injection of vesicular magma into an andesitic dome at the effusive–explosive transition. <i>Earth and Planetary Science Letters</i> , 2010, 295, 83-90.	4.4	25
27	A rapid method for quantifying single mineral phases in heterogeneous natural dusts using X-ray diffraction. <i>Powder Diffraction</i> , 2009, 24, 17-23.	0.2	21
28	Selection of operational parameters for a smart spraying system to control airborne PM10 and PM2.5 dusts in underground coal mines. <i>Chemical Engineering Research and Design</i> , 2021, 148, 482-494.	5.6	21
29	Alkali-F-Rich Albite Zones in Evolved NYF Pegmatites: The Product of Melt–melt Immiscibility. <i>Canadian Mineralogist</i> , 2018, 56, 657-687.	1.0	20
30	The lichen transplant methodology in the source apportionment of metal deposition around a copper smelter in the former mining town of Karabash, Russia. <i>Environmental Monitoring and Assessment</i> , 2008, 141, 227-236.	2.7	19
31	Lichen monitoring as a potential tool in environmental forensics: case study of the Cu smelter and former mining town of Karabash, Russia. <i>Geological Society Special Publication</i> , 2013, 384, 133-146.	1.3	19
32	Formation of coagulated colloidal silica in high-temperature mineralizing fluids. <i>Mineralogical Magazine</i> , 2002, 66, 547-553.	1.4	17
33	Automated Mineralogical Analysis of PM ₁₀ : New Parameters for Assessing PM Toxicity. <i>Environmental Science & Technology</i> , 2013, 47, 5570-5577.	10.0	17
34	Testing a new method for quantifying Si in silica-rich biomass using HF in a closed vessel microwave digestion system. <i>Analytical Methods</i> , 2011, 3, 1752.	2.7	15
35	Biogeochemical signatures in the lichen <i>Hypogymnia physodes</i> in the mid Urals. <i>Journal of Environmental Radioactivity</i> , 2006, 90, 151-162.	1.7	11
36	Lacustrine sediments and lichen transplants: two contrasting and complimentary environmental archives of natural and anthropogenic lead in the South Urals, Russia. <i>Aquatic Sciences</i> , 2013, 75, 185-198.	1.5	11

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37	Integrating dispersion modelling and lichen sampling to assess harmful heavy metal pollution around the Karabash copper smelter, Russian Federation. <i>Atmospheric Pollution Research</i> , 2015, 6, 939-945.	3.8	11
38	Chemistry and particle size distribution of respirable coal dust in underground mines in Central Eastern Europe. <i>International Journal of Coal Science and Technology</i> , 2022, 9, 1.	6.0	11
39	The surface reactivity and implied toxicity of ash produced from sugarcane burning. <i>Environmental Toxicology</i> , 2014, 29, 503-516.	4.0	10
40	Origin of quartz cores in tourmaline from Roche Rock, SW England. <i>Mineralogical Magazine</i> , 2005, 69, 381-401.	1.4	9
41	Spectral gamma ray logs: core to log calibration, facies analysis and correlation problems in the Southern North Sea. <i>Geological Society Special Publication</i> , 1998, 136, 1-7.	1.3	8
42	The relationship between crustal magmatic underplating and granite genesis: an example from the Velay granite complex, Massif Central, France. <i>Special Paper of the Geological Society of America</i> , 1992, , 235-246.	0.5	6
43	Testing the Plagioclase Discriminator on the GEOROC Database to Identify Porphyryâ€Fertile Magmatic Systems in Japan. <i>Resource Geology</i> , 2018, 68, 138-143.	0.8	6
44	Crystal mush dykes as conduits for mineralising fluids in the Yerington porphyry copper district, Nevada. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	6
45	A Note on the Relationship Between Some Saxicolous Lichens and Manganese Ore in North Wales, UK. <i>Geomicrobiology Journal</i> , 2010, 27, 349-352.	2.0	4
46	Textural indicators of mineralisation potential in porphyry magmatic systems â€“ A framework from the archetypal Yerington district, Nevada. <i>Ore Geology Reviews</i> , 2022, 143, 104783.	2.7	4
47	Mineralogical composition of atmospheric airborne particulates. <i>Geology Today</i> , 2001, 17, 32-35.	0.9	2
48	Discriminating bacterial from electrochemical corrosion using Fe isotopes. <i>Corrosion Science</i> , 2007, 49, 3759-3764.	6.6	2