

Gawen R T Jenkin

List of Publications by Year in descending order

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53
papers

2,267
citations

172386

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docs citations

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2291
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#	ARTICLE	IF	CITATIONS
1	A review of Te and Se systematics in hydrothermal pyrite from precious metal deposits: Insights into ore-forming processes. <i>Ore Geology Reviews</i> , 2018, 96, 269-282.	1.1	184
2	The application of deep eutectic solvent ionic liquids for environmentally-friendly dissolution and recovery of precious metals. <i>Minerals Engineering</i> , 2016, 87, 18-24.	1.8	154
3	Stable isotopic and fluid inclusion evidence for meteoric fluid penetration into an active mountain belt; Alpine Schist, New Zealand. <i>Journal of Metamorphic Geology</i> , 1994, 12, 429-444.	1.6	96
4	Contrasting Cooling Rates in the Lower Oceanic Crust at Fast- and Slow-spreading Ridges Revealed by Geospeedometry. <i>Journal of Petrology</i> , 2007, 48, 2211-2231.	1.1	95
5	The effect of pH and hydrogen bond donor on the dissolution of metal oxides in deep eutectic solvents. <i>Green Chemistry</i> , 2020, 22, 5476-5486.	4.6	92
6	Constraining the cooling rate of the lower oceanic crust: a new approach applied to the Oman ophiolite. <i>Earth and Planetary Science Letters</i> , 2002, 199, 127-146.	1.8	87
7	An investigation of closure temperature of the biotite Rb-Sr system: The importance of cation exchange. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1141-1160.	1.6	76
8	Electrocatalytic recovery of elements from complex mixtures using deep eutectic solvents. <i>Green Chemistry</i> , 2015, 17, 2172-2179.	4.6	70
9	Stratigraphy and geochronology of the Tambien Group, Ethiopia: Evidence for globally synchronous carbon isotope change in the Neoproterozoic. <i>Geology</i> , 2015, 43, 323-326.	2.0	69
10	Rb-Sr closure temperatures in bi-mineralic rocks: a mode effect and test for different diffusion models. <i>Chemical Geology</i> , 1995, 122, 227-240.	1.4	65
11	Human toenails as a biomarker of exposure to elevated environmental arsenic. <i>Journal of Environmental Monitoring</i> , 2009, 11, 610.	2.1	65
12	Quantitative arsenic speciation in two species of earthworms from a former mine site. <i>Journal of Environmental Monitoring</i> , 2008, 10, 753.	2.1	64
13	Pyrite chemistry: A new window into Au-Te ore-forming processes in alkaline epithermal districts, Cripple Creek, Colorado. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 274, 172-191.	1.6	63
14	Oxygen isotope exchange and closure temperatures in cooling rocks. <i>Journal of Metamorphic Geology</i> , 1994, 12, 221-235.	1.6	58
15	Direct extraction of copper from copper sulfide minerals using deep eutectic solvents. <i>Green Chemistry</i> , 2019, 21, 6502-6512.	4.6	57
16	Quantifying the release of base metals from source rocks for volcanogenic massive sulfide deposits: Effects of protolith composition and alteration mineralogy. <i>Journal of Geochemical Exploration</i> , 2012, 118, 47-59.	1.5	56
17	Chemical and thermal constraints on focussed fluid flow in the lower oceanic crust. <i>Numerische Mathematik</i> , 2006, 306, 389-427.	0.7	52
18	The Tambien Group, Ethiopia: An early Cryogenian (ca. 800-735Ma) Neoproterozoic sequence in the Arabian-Nubian Shield. <i>Precambrian Research</i> , 2006, 147, 79-99.	1.2	51

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19	Do cooling paths derived from mica Rb-Sr data reflect true cooling paths?. <i>Geology</i> , 1997, 25, 907.	2.0	48
20	Oxygen and hydrogen isotopic evolution of Variscan crustal fluids, south Cornwall, U.K.. <i>Chemical Geology</i> , 1995, 123, 239-254.	1.4	46
21	The Origin of Rapakivi Texture. <i>Journal of Petrology</i> , 1994, 35, 963-981.	1.1	45
22	DNA damage in earthworms from highly contaminated soils: Assessing resistance to arsenic toxicity by use of the Comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 696, 95-100.	0.9	43
23	Dissolution of pyrite and other Fe-As minerals using deep eutectic solvents. <i>Green Chemistry</i> , 2017, 19, 2225-2233.	4.6	43
24	Arsenic biotransformation in earthworms from contaminated soils. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1484.	2.1	38
25	The petrogenesis of sodic island arc magmas at Savo volcano, Solomon Islands. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 785-801.	1.2	37
26	Hydrothermal alteration and fluid pH in alkaline-hosted epithermal systems. <i>Ore Geology Reviews</i> , 2017, 89, 772-779.	1.1	35
27	Fluid disturbed hornblende K-Ar ages from the Dalradian rocks of Connemara, Western Ireland. <i>Journal of the Geological Society</i> , 1991, 148, 985-992.	0.9	34
28	Electrochemical oxidation as alternative for dissolution of metal oxides in deep eutectic solvents. <i>Green Chemistry</i> , 2020, 22, 8360-8368.	4.6	34
29	A fluid inclusion and stable isotope study of 200 Ma of fluid evolution in the Galway Granite, Connemara, Ireland. <i>Contributions To Mineralogy and Petrology</i> , 1997, 129, 120-142.	1.2	31
30	Earthworms and <i>in vitro</i> physiologically-based extraction tests: complementary tools for a holistic approach towards understanding risk at arsenic-contaminated sites. <i>Environmental Geochemistry and Health</i> , 2009, 31, 273-282.	1.8	29
31	Effects of magmatic volatile influx in mafic VMS hydrothermal systems: Evidence from the Troodos ophiolite, Cyprus. <i>Chemical Geology</i> , 2020, 531, 119325.	1.4	29
32	Modeling of mineral $\delta^{18}O$ values in an igneous aureole: Closed-system model predicts apparent open-system $\delta^{18}O$ values. <i>Geology</i> , 1991, 19, 1185.	2.0	27
33	COOL: A FORTRAN-77 computer program for modeling stable isotopes in cooling closed systems. <i>Computers and Geosciences</i> , 1991, 17, 391-412.	2.0	26
34	A stable isotope study of retrograde alteration in SW Connemara, Ireland. <i>Contributions To Mineralogy and Petrology</i> , 1992, 110, 269-288.	1.2	26
35	Magmatic Cu-Ni-PGE-Au sulfide mineralisation in alkaline igneous systems: An example from the Sron Garbh intrusion, Tyndrum, Scotland. <i>Ore Geology Reviews</i> , 2017, 80, 961-984.	1.1	25
36	The Effect of Deformation on Oxygen Isotope Exchange in Quartz and Feldspar and the Significance of Isotopic Temperatures in Mylonites. <i>Journal of Geology</i> , 1997, 105, 193-204.	0.7	20

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37	Textural evolution of the rapakivi granites, south Greenland ?Sr, O and H isotopic investigations. Contributions To Mineralogy and Petrology, 1991, 107, 459-471.	1.2	19
38	Geological, fluid inclusion and stable isotope studies of Mo mineralization, Galway Granite, Ireland. Mineralium Deposita, 1992, 27, 314.	1.7	19
39	An empirical estimate of the diffusion rate of oxygen in diopside. Journal of Metamorphic Geology, 1994, 12, 89-97.	1.6	19
40	Paint casting: A facile method of studying mineral electrochemistry. Electrochemistry Communications, 2017, 76, 20-23.	2.3	18
41	Regolith mapping of deeply weathered terrain in savannah regions of the Birimian Lawra Greenstone Belt, Ghana. Journal of Geochemical Exploration, 2015, 159, 194-207.	1.5	16
42	Anomalous alkaline sulphate fluids produced in a magmatic hydrothermal system â€” Savo, Solomon Islands. Chemical Geology, 2010, 275, 35-49.	1.4	13
43	Stream and slope weathering effects on organic-rich mudstone geochemistry and implications for hydrocarbon source rock assessment: A Bowland Shale case study. Chemical Geology, 2017, 471, 74-91.	1.4	13
44	Unusual mixed silicaâ€“carbonate deposits from magmaticâ€“hydrothermal hot springs, Savo, Solomon Islands. Journal of the Geological Society, 2011, 168, 1297-1310.	0.9	12
45	A Mississippian black shale record of redox oscillation in the Craven Basin, UK. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 538, 109423.	1.0	11
46	Ore deposits in an evolving Earth: an introduction. Geological Society Special Publication, 2015, 393, 1-8.	0.8	10
47	How the Neoproterozoic S-isotope record illuminates the genesis of vein gold systems: an example from the Dalradian Supergroup in Scotland. Geological Society Special Publication, 2015, 393, 213-247.	0.8	9
48	Chemical Dissolution of Chalcopyrite Concentrate in Choline Chloride Ethylene Glycol Deep Eutectic Solvent. Minerals (Basel, Switzerland), 2022, 12, 65.	0.8	9
49	Tracing Carbon: Natural Mineral Carbonation and The Incorporation of Atmospheric vs. Recycled CO2. Energy Procedia, 2013, 37, 5897-5904.	1.8	8
50	Mineral-scale variation in the trace metal and sulfur isotope composition of pyrite: implications for metal and sulfur sources in mafic VMS deposits. Mineralium Deposita, 2022, 57, 911-933.	1.7	7
51	A Unified Method for the Recovery of Metals from Chalcogenides. ACS Sustainable Chemistry and Engineering, 2021, 9, 2929-2936.	3.2	5
52	Carboniferous dykes as monitors of post-Caledonian fluid events in West Connacht, Ireland. Transactions of the Royal Society of Edinburgh: Earth Sciences, 1997, 88, 225-243.	1.0	3
53	Orogenic gold mineralisation hosted by Archaean basement rocks at Sortekap, Kangerlussuaq area, East Greenland. Mineralium Deposita, 2013, 48, 453-466.	1.7	3