

Gareth Davies

List of Publications by Citations

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139
papers

5,150
citations

45
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141
ext. papers

5,682
ext. citations

4.6
avg, IF

5.54
L-index

#	Paper	IF	Citations
139	The Origin and Evolution of the Kaapvaal Cratonic Lithospheric Mantle. <i>Journal of Petrology</i> , 2007 , 48, 589-625	3.9	234
138	Geochemical Constraints on the Petrogenesis of Diamond Facies Pyroxenites from the Beni Bousera Peridotite Massif, North Morocco. <i>Journal of Petrology</i> , 1993 , 34, 125-172	3.9	184
137	The origin of garnet and clinopyroxene in depleted Kaapvaal peridotites. <i>Lithos</i> , 2003 , 71, 289-322	2.9	172
136	Crustal Influences in the Petrogenesis of the Naivasha Basalt-Comendite Complex: Combined Trace Element and Sr-Nd-Pb Isotope Constraints. <i>Journal of Petrology</i> , 1987 , 28, 1009-1031	3.9	151
135	Geochemistry of High-silica Peralkaline Rhyolites, Naivasha, Kenya Rift Valley. <i>Journal of Petrology</i> , 1987 , 28, 979-1008	3.9	138
134	Graphitized diamonds from a peridotite massif in Morocco and implications for anomalous diamond occurrences. <i>Nature</i> , 1989 , 338, 60-62	50.4	114
133	Deep origin and hot melting of an Archaean orogenic peridotite massif in Norway. <i>Nature</i> , 2006 , 440, 913-7	50.4	113
132	Magma source components in an arc-continent collision zone: the Flores-Lembata sector, Sunda arc, Indonesia. <i>Contributions To Mineralogy and Petrology</i> , 1990 , 105, 585-601	3.5	105
131	Grain size control on Sr-Nd isotope provenance studies and impact on paleoclimate reconstructions: An example from deep-sea sediments offshore NW Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	104
130	Tectonic implications of graphitized diamonds from the Ronda, peridotite massif, southern Spain. <i>Geology</i> , 1993 , 21, 471	5	103
129	Crustal growth and late Precambrian-early Palaeozoic plate tectonic evolution of England and Wales. <i>Journal of the Geological Society</i> , 1984 , 141, 521-536	2.7	103
128	Problems in obtaining precise and accurate Sr isotope analysis from geological materials using laser ablation MC-ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 465-76	4.4	100
127	Melt Enrichment of Shallow Depleted Mantle: a Detailed Petrological, Trace Element and Isotopic Study of Mantle-Derived Xenoliths and Megacrysts from the Cameroon Line. <i>Journal of Petrology</i> , 1996 , 37, 415-441	3.9	100
126	Upper crustal recycling in southern Britain: evidence from Nd and Sr isotopes. <i>Earth and Planetary Science Letters</i> , 1985 , 75, 1-12	5.3	100
125	Sr isotope evidence for short magma residence time for the 20th century activity at Stromboli volcano, Italy. <i>Earth and Planetary Science Letters</i> , 1999 , 167, 61-69	5.3	86
124	Geochemistry of the Othris Ophiolite, Greece: Evidence for Refertilization?. <i>Journal of Petrology</i> , 2003 , 44, 1759-1785	3.9	85
123	Permo-Carboniferous magmatism and rifting in Europe: introduction. <i>Geological Society Special Publication</i> , 2004 , 223, 1-10	1.7	80

122	Measurement of small ion beams by thermal ionisation mass spectrometry using new 10(13) Ohm resistors. <i>Analytica Chimica Acta</i> , 2014 , 819, 49-55	6.6	79
121	Trace Element and Sr-Pb-Nd-Hf Isotope Evidence for Ancient, Fluid-Dominated Enrichment of the Source of Aldan Shield Lamproites. <i>Journal of Petrology</i> , 2006 , 47, 1119-1146	3.9	79
120	Spatial variation of biologically available strontium isotopes ($87\text{Sr}/86\text{Sr}$) in an archipelagic setting: a case study from the Caribbean. <i>Journal of Archaeological Science</i> , 2012 , 39, 2371-2384	2.9	77
119	Isotopic constraints on the production rates, crystallisation histories and residence times of pre-caldera silicic magmas, Long Valley, California. <i>Earth and Planetary Science Letters</i> , 1994 , 125, 17-37	5.3	76
118	An astronomically-tuned climate framework for hominins in the Turkana Basin. <i>Earth and Planetary Science Letters</i> , 2011 , 307, 1-8	5.3	75
117	Isotopic evolution of the Lizard Complex. <i>Journal of the Geological Society</i> , 1984 , 141, 3-14	2.7	75
116	A bioavailable strontium isoscape for Western Europe: A machine learning approach. <i>PLoS ONE</i> , 2018 , 13, e0197386	3.7	74
115	The Othris Ophiolite, Greece: A snapshot of subduction initiation at a mid-ocean ridge. <i>Lithos</i> , 2008 , 100, 234-254	2.9	67
114	Intra-Grain Sr Isotope Evidence for Crystal Recycling and Multiple Magma Reservoirs in the Recent Activity of Stromboli Volcano, Southern Italy. <i>Journal of Petrology</i> , 2005 , 46, 1997-2021	3.9	66
113	The lead (Pb) isotope signature, behaviour and fate of traffic-related lead pollution in roadside soils in The Netherlands. <i>Science of the Total Environment</i> , 2014 , 472, 888-900	10.2	64
112	Development of the Long Valley rhyolitic magma system: strontium and neodymium isotope evidence from glasses and individual phenocrysts. <i>Geochimica Et Cosmochimica Acta</i> , 1998 , 62, 3561-3574	5.5	64
111	Liquid immiscibility between trachyte and carbonate in ash flow tuffs from Kenya. <i>Contributions To Mineralogy and Petrology</i> , 1993 , 114, 276-287	3.5	64
110	Strontium and lead isotope ratios in human hair: investigating a potential tool for determining recent human geographical movements. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 719	3.7	61
109	Evidence for diamond-grade ultra-high pressure metamorphism and fluid interaction in the Svartberget Felli garnet peridotite-websterite body, Western Gneiss Region, Norway. <i>Mineralogy and Petrology</i> , 2006 , 88, 381-405	1.6	60
108	Calcium weathering in forested soils and the effect of different tree species. <i>Biogeochemistry</i> , 2003 , 62, 253-275	3.8	60
107	Lead isotope composition of tree rings as bio-geochemical tracers of heavy metal pollution: a reconnaissance study from Firenze, Italy. <i>Applied Geochemistry</i> , 2000 , 15, 891-900	3.5	60
106	Formation and composition of the lower continental crust: Evidence from Scottish xenolith suites. <i>Journal of Geophysical Research</i> , 1993 , 98, 581-607		60
105	Temporal and spatial variations in provenance of Eastern Mediterranean Sea sediments: Implications for Aegean and Aeolian arc volcanism. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 153, 149-168	5.5	59

104	A Non-cognate Origin for the Gibeon Kimberlite Megacryst Suite, Namibia: Implications for the Origin of Namibian Kimberlites. <i>Journal of Petrology</i> , 2001 , 42, 159-172	3.9	57
103	Noble gas study of the Reunion hotspot: evidence for distinct less-degassed mantle sources. <i>Earth and Planetary Science Letters</i> , 2001 , 193, 83-98	5.3	57
102	Investigating human geographic origins using dual-isotope ($^{87}\text{Sr}/^{86}\text{Sr}$, $\delta^{18}\text{O}$) assignment approaches. <i>PLoS ONE</i> , 2017 , 12, e0172562	3.7	55
101	Identification of the geographical place of origin of an unidentified individual by multi-isotope analysis. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015 , 55, 34-42	2	52
100	Use of 1012 ohm current amplifiers in Sr and Nd isotope analyses by TIMS for application to sub-nanogram samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 749	3.7	51
99	Isotope disequilibrium during anatexis: a case study of contact melting, Sierra Nevada, California. <i>Earth and Planetary Science Letters</i> , 1997 , 148, 273-285	5.3	49
98	TIMS analysis of Sr and Nd isotopes in melt inclusions from Italian potassium-rich lavas using prototype 1013 ohm amplifiers. <i>Chemical Geology</i> , 2015 , 397, 14-23	4.2	48
97	Metasomatism in the Ultrahigh-pressure Svartberget Garnet-peridotite (Western Gneiss Region, Norway): Implications for the Transport of Crust-derived Fluids within the Mantle. <i>Journal of Petrology</i> , 2013 , 54, 1815-1848	3.9	47
96	Factors controlling the oral bioaccessibility of anthropogenic Pb in polluted soils. <i>Science of the Total Environment</i> , 2015 , 506-507, 149-63	10.2	46
95	Neodymium in modern foraminifera from the Indian Ocean: implications for the use of foraminiferal Nd isotope compositions in paleo-oceanography. <i>Earth and Planetary Science Letters</i> , 2002 , 203, 1031-1045	5.3	45
94	A combined chemical and Pb-Sr-Nd isotope study of the Azores and Cape Verde hot-spots: the geodynamic implications. <i>Geological Society Special Publication</i> , 1989 , 42, 231-255	1.7	44
93	Petrogenesis of Silali volcano, Gregory Rift, Kenya. <i>Journal of the Geological Society</i> , 1995 , 152, 703-720	2.7	43
92	Strontium isoscapes in The Netherlands. Spatial variations in $^{87}\text{Sr}/^{86}\text{Sr}$ as a proxy for palaeomobility. <i>Journal of Archaeological Science: Reports</i> , 2016 , 6, 1-13	0.7	42
91	Crystallization history of rhyolites at Long Valley, California, inferred from combined U-series and Rb-Sr isotope systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2002 , 66, 1821-1837	5.5	42
90	Improved age control on early Homo fossils from the upper Burgi Member at Koobi Fora, Kenya. <i>Journal of Human Evolution</i> , 2013 , 65, 731-45	3.1	41
89	Long-distance exchange in the precolonial Circum-Caribbean: A multi-isotope study of animal tooth pendants from Puerto Rico. <i>Journal of Anthropological Archaeology</i> , 2014 , 35, 220-233	1.9	39
88	Isotopic disequilibrium during rapid crustal anatexis: implications for petrogenetic studies of magmatic processes. <i>Chemical Geology</i> , 2000 , 162, 169-191	4.2	39
87	Timing of Proterozoic magmatism in the Gardar Province, southern Greenland. <i>Bulletin of the Geological Society of America</i> , 1993 , 105, 272-278	3.9	38

86	Pb isotope analysis of ng size samples by TIMS equipped with a 1013 resistor using a 207Pb-204Pb double spike. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 171-178	3.7	35
85	Nature and timing of multiple metasomatic events in the sub-cratonic lithosphere beneath Labait, Tanzania. <i>Lithos</i> , 2009 , 112, 896-912	2.9	34
84	Strontium isotope ratios of the Eastern Paratethys during the Mio-Pliocene transition; Implications for interbasinal connectivity. <i>Earth and Planetary Science Letters</i> , 2010 , 292, 123-131	5.3	33
83	Isotopic and chemical evolution of the post-caldera rhyolitic system at Long Valley, California. <i>Journal of Petrology</i> , 1997 , 38, 1661-1678	3.9	31
82	Archaean granulites of the Limpopo Belt, Zimbabwe: One slow exhumation or two rapid events?. <i>Tectonics</i> , 1996 , 15, 1414-1430	4.3	31
81	Multidecadal variations in the Early Holocene outflow of Red Sea water into the Arabian Sea. <i>Paleoceanography</i> , 2001 , 16, 658-668		30
80	Charnockites and UHT metamorphism in the Bakhuis Granulite Belt, western Suriname: Evidence for two separate UHT events. <i>Precambrian Research</i> , 2015 , 262, 1-19	3.9	28
79	Provenancing of unidentified World War II casualties: Application of strontium and oxygen isotope analysis in tooth enamel. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015 , 55, 10-7	2	27
78	Geochemical stages at Jasper Seamount and the origin of intraplate volcanoes. <i>Geochemistry, Geophysics, Geosystems</i> , 2009 , 10, n/a-n/a	3.6	27
77	Effect of lithosphere thickness heterogeneities in controlling rift localization: Numerical modeling of the Oslo Graben. <i>Geophysical Research Letters</i> , 2002 , 29, 69-1-69-4	4.9	27
76	Subslab mantle of African provenance infiltrating the Aegean mantle wedge. <i>Geology</i> , 2016 , 44, 367-370		27
75	The Movement and Exchange of Dogs in the Prehistoric Caribbean: An Isotopic Investigation. <i>International Journal of Osteoarchaeology</i> , 2015 , 25, 454-465	1.1	25
74	Decadal-centennial scale monsoon variations in the Arabian Sea during the Early Holocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2002 , 3, 1-10	3.6	25
73	Gradual or abrupt? Changes in water source of Lake Turkana (Kenya) during the African Humid Period inferred from Sr isotope ratios. <i>Quaternary Science Reviews</i> , 2017 , 174, 1-12	3.9	22
72	Changing rainfall patterns in NW Africa since the Younger Dryas. <i>Aeolian Research</i> , 2013 , 10, 111-123	3.9	22
71	Noble gas systematics of submarine alkalic lavas near the Hawaiian hotspot. <i>Chemical Geology</i> , 2005 , 214, 135-155	4.2	22
70	Archaean and Proterozoic diamond growth from contrasting styles of large-scale magmatism. <i>Nature Communications</i> , 2017 , 8, 648	17.4	21
69	The petrogenesis of Carboniferous-Berminian dyke and sill intrusions across northern Europe. <i>Contributions To Mineralogy and Petrology</i> , 2006 , 152, 721-742	3.5	20

68	Dynamics of Indian Ocean Slavery Revealed through Isotopic Data from the Colonial Era Cobern Street Burial Site, Cape Town, South Africa (1750-1827). <i>PLoS ONE</i> , 2016 , 11, e0157750	3.7	20
67	Highly heterogeneous depleted mantle recorded in the lower oceanic crust. <i>Nature Geoscience</i> , 2019 , 12, 482-486	18.3	19
66	Three-dimensional cathodoluminescence imaging and electron backscatter diffraction: tools for studying the genetic nature of diamond inclusions. <i>Contributions To Mineralogy and Petrology</i> , 2011 , 161, 565-579	3.5	18
65	Titanium in subduction zone fluids: First insights from ab initio molecular metadynamics simulations. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 2797-2810	5.5	18
64	Time resolved Raman spectroscopy for depth analysis of multi-layered mineral samples. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 1540-1547	2.3	17
63	Sr, Nd and Pb isotopic compositions of calc-alkaline and peralkaline silicic volcanics from the D'Entrecasteaux Islands, Papua New Guinea, and their tectonic significance. <i>Mineralogy and Petrology</i> , 1992 , 47, 103-126	1.6	17
62	Beauty is skin deep: the skin tones of Vermeer's Girl with a Pearl Earring. <i>Heritage Science</i> , 2019 , 7,	2.5	17
61	Flooding of the Caspian Sea at the intensification of Northern Hemisphere Glaciations. <i>Global and Planetary Change</i> , 2019 , 174, 153-163	4.2	17
60	Reconstruction of historical atmospheric Pb using Dutch urban lake sediments: a Pb isotope study. <i>Science of the Total Environment</i> , 2014 , 484, 185-95	10.2	16
59	Paratethys pacing of the Messinian Salinity Crisis: Low salinity waters contributing to gypsum precipitation?. <i>Earth and Planetary Science Letters</i> , 2020 , 532, 116029	5.3	16
58	A Multi-Isotope Investigation of Human and Dog Mobility and Diet in the Pre-Colonial Antilles. <i>Environmental Archaeology</i> , 2019 , 24, 132-148	1.2	16
57	The provenance of sub-cratonic mantle beneath the Limpopo Mobile Belt (South Africa). <i>Lithos</i> , 2013 , 170-171, 90-104	2.9	15
56	Riverine supply to the eastern Mediterranean during last interglacial sapropel S5 formation: A basin-wide perspective. <i>Chemical Geology</i> , 2018 , 485, 74-89	4.2	14
55	Human dietary assessment in the Pre-colonial Lesser Antilles: New stable isotope evidence from Lavoutte, Saint Lucia. <i>Journal of Archaeological Science: Reports</i> , 2016 , 5, 168-180	0.7	14
54	Seychelles coral record of changes in sea surface temperature bimodality in the western Indian Ocean from the Mid-Holocene to the present. <i>Climate Dynamics</i> , 2014 , 43, 689-708	4.2	13
53	Raman spectroscopy for future planetary exploration: photodegradation, self-absorption and quantification of carotenoids in microorganisms and mineral matrices. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 856-862	2.3	12
52	Strontium, oxygen, and carbon isotope variation in modern human dental enamel. <i>American Journal of Physical Anthropology</i> , 2020 , 172, 586-604	2.5	12
51	Non-invasive portable laser ablation sampling of art and archaeological materials with subsequent Sr/Nd isotope analysis by TIMS using 1013 amplifiers. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 2210-2216	3.7	12

50	Molecular modelling of rare earth element complexation in subduction zone fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 3934-3947	5.5	12
49	A sea surface temperature reconstruction for the southern Indian Ocean trade wind belt from corals in Rodrigues Island (19°S, 63°E). <i>Biogeosciences</i> , 2016 , 13, 5827-5847	4.6	12
48	Pollution and Oral Bioaccessibility of Pb in Soils of Villages and Cities with a Long Habitation History. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, 221	4.6	12
47	Valles Marineris tectonic and volcanic history inferred from dikes in eastern Coprates Chasma. <i>Journal of Geophysical Research E: Planets</i> , 2017 , 122, 1353-1371	4.1	11
46	An assessment of procedures to remove exogenous Sr before 87Sr/86Sr analysis of wet archaeological wool textiles. <i>Journal of Archaeological Science</i> , 2015 , 53, 84-93	2.9	11
45	Ancient recycled lower crust in the mantle source of recent Italian magmatism. <i>Nature Communications</i> , 2019 , 10, 3237	17.4	11
44	Spatial patterns in Sr/Sr ratios in modern human dental enamel and tap water from the Netherlands: Implications for forensic provenancing. <i>Science of the Total Environment</i> , 2020 , 729, 138992	10.2	10
43	Titanates of the lindsleyite-hathiasite (LIMA) group reveal isotope disequilibrium associated with metasomatism in the mantle beneath Kimberley (South Africa). <i>Earth and Planetary Science Letters</i> , 2018 , 482, 253-264	5.3	9
42	Preservation of an Archaean whole rock Re-Os isochron for the Venetia lithospheric mantle: Evidence for rapid crustal recycling and lithosphere stabilisation at 3.3 Ga. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 216, 242-263	5.5	8
41	TIMS analysis of neodymium isotopes in human tooth enamel using 1013 μ mplifiers. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 2391-2400	3.7	8
40	Solvation of Ti(IV) in aqueous solution under ambient and supercritical conditions. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7371-7	3.6	8
39	Asymmetric lithosphere as the cause of rifting and magmatism in the Permo-Carboniferous Oslo Graben. <i>Geological Society Special Publication</i> , 2004 , 223, 139-156	1.7	8
38	Centennial-millennial-scale monsoon variations off Somalia over the last 35 ka. <i>Geological Society Special Publication</i> , 2002 , 195, 341-352	1.7	8
37	Episodic diamond growth beneath the Kaapvaal Craton at Jwaneng Mine, Botswana. <i>Mineralogy and Petrology</i> , 2018 , 112, 219-229	1.6	8
36	Hydrothermal Alteration of Eudialyte-Hosted Critical Metal Deposits: Fluid Source and Implications for Deposit Grade. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 422	2.4	7
35	Comparison of strontium isotope ratios in Mexican human hair and tap water as provenance indicators. <i>Forensic Science International</i> , 2020 , 314, 110422	2.6	7
34	87Sr/86Sr as a quantitative geochemical proxy for 14C reservoir age in dynamic, brackish waters: Assessing applicability and quantifying uncertainties. <i>Geophysical Research Letters</i> , 2016 , 43, 735-742	4.9	7
33	Strontium isotope ratios related to childhood mobility: Revisiting sampling strategies of the calcined human pars petrosa ossis temporalis. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9038	2.2	7

32	Sickly slaves, soldiers and sailors. Contextualising the Cape's 18th-19th century Green Point burials through isotope investigation. <i>Journal of Archaeological Science: Reports</i> , 2017 , 11, 480-490	0.7	6
31	Raman Spectroscopic Techniques for Planetary Exploration: Detecting Microorganisms through Minerals. <i>Astrobiology</i> , 2015 , 15, 697-707	3.7	6
30	Beyond isolation: understanding past human-population variability in the Dutch town of Oldenzaal through the origin of its inhabitants and its infrastructural connections. <i>Archaeological and Anthropological Sciences</i> , 2019 , 11, 755-775	1.8	6
29	Kinship and mobility in 11th-century A.D. Gammertingen, Germany: an interdisciplinary approach. <i>Journal of Archaeological Science</i> , 2013 , 40, 3768-3776	2.9	6
28	The implications of non-suppressed geomagnetic secular variation during the Permo-Carboniferous Reversed Superchron. <i>Physics of the Earth and Planetary Interiors</i> , 2002 , 131, 225-235	2.3	6
27	The effects of decomposition and environment on antemortem H-Pb-Sr isotope compositions and degradation of human scalp hair: Actualistic taphonomic observations. <i>Forensic Science International</i> , 2020 , 312, 110336	2.6	5
26	Micro-invasive method for studying lead isotopes in paintings*. <i>Archaeometry</i> , 2020 , 62, 796-809	1.6	5
25	The importance of different types of magmatism in VHMS mineralisation: evidence from the geochemistry of the host volcanic rocks to the Benambra massive sulphide deposits, Victoria, Australia. <i>Mineralogy and Petrology</i> , 1997 , 59, 251-286	1.6	5
24	Helium isotope signature of lithospheric mantle xenoliths from the Permo-Carboniferous magmatic province in Scotland: the evidence for a lower-mantle plume. <i>Geological Society Special Publication</i> , 2004 , 223, 243-258	1.7	5
23	Formation of unusual yellow Orapa diamonds. <i>Mineralogy and Petrology</i> , 2018 , 112, 209-218	1.6	5
22	A combined cathodoluminescence and electron backscatter diffraction examination of the growth relationships between Jwaneng diamonds and their eclogitic inclusions. <i>Mineralogy and Petrology</i> , 2018 , 112, 231-242	1.6	5
21	Evaluation of neodymium isotope analysis of human dental enamel as a provenance indicator using 10 amplifiers (TIMS). <i>Science and Justice - Journal of the Forensic Science Society</i> , 2019 , 59, 322-331	2	4
20	Breaking Traditions: An Isotopic Study on the Changing Funerary Practices in the Dutch Iron Age (800-12 bc). <i>Archaeometry</i> , 2018 , 60, 594-611	1.6	4
19	Lapidary production in the eastern Caribbean: a typo-technological and microwear study of ornaments from the site of Pearls, Grenada. <i>Archaeological and Anthropological Sciences</i> , 2020 , 12, 1	1.8	3
18	Evidence for a Moist to Wet Source Transition Throughout the Oman-UAE Ophiolite, and Implications for the Geodynamic History. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 651-672	3.6	3
17	Non-invasive portable laser ablation sampling for lead isotope analysis of archaeological silver: a comparison with bulk and in situ laser ablation techniques. <i>Journal of Analytical Atomic Spectrometry</i> ,	3.7	2
16	Regional UHT metamorphism with widespread, primary CO ₂ -rich cordierite in the Bakhuis Granulite Belt, Surinam: A feldspar thermometry study. <i>Precambrian Research</i> , 2020 , 350, 105894	3.9	2
15	Mesozoic to Paleoproterozoic diamond growth beneath Botswana recorded by Re-Os ages from individual eclogitic and websteritic inclusions. <i>Lithos</i> , 2021 , 388-389, 106058	2.9	2

14	Multi-stage garnet formation and destruction in Kimberley harzburgitic xenoliths, South Africa. <i>Lithos</i> , 2021 , 390-391, 106119	2.9	2
13	Addendum to Brovenancing of unidentified World War II casualties: Application of strontium and oxygen isotope analysis in tooth enamel [Sci. Justice 55 (1) (2015) 100-107]. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015 , 55, 526	2	1
12	Multi-isotope analysis of elephant ivory artefacts from Amsterdam: a preliminary provenance study. <i>World Archaeology</i> , 2015 , 47, 504-524	1.4	1
11	Reprint of: The effects of decomposition and environment on antemortem H-Pb-Sr isotope compositions and degradation of human scalp hair: Actualistic taphonomic observations. <i>Forensic Science International</i> , 2020 , 317, 110463	2.6	1
10	Diverse and Dynamic Dietary Patterns in Early Colonial Cuba: New Insights from Multiple Isotope Analyses. <i>Latin American Antiquity</i> , 2020 , 31, 103-121	0.5	1
9	Time-dependent variation of lead isotopes of lead white in 17th century Dutch paintings. <i>Science Advances</i> , 2021 , 7, eabi5905	14.3	1
8	Lead isotope heterogeneity in lead white: From lead white raw pigment to canvas. <i>Microchemical Journal</i> , 2021 , 163, 105897	4.8	1
7	Hydrological Changes in Restricted Basins: Insights From Strontium Isotopes on Late Miocene-Pliocene Connectivity of the Eastern Paratethys (Dacian Basin, Romania). <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009369	3.6	1
6	Two billion years of episodic and simultaneous websteritic and eclogitic diamond formation beneath the Orapa kimberlite cluster, Botswana. <i>Contributions To Mineralogy and Petrology</i> , 2021 , 176, 1	3.5	0
5	Identification of a female murder victim found in Burgenland, Austria in 1993. <i>Forensic Sciences Research</i> , 1-11	3.6	0
4	Perturbation of the deep-Earth carbon cycle in response to the Cambrian Explosion.. <i>Science Advances</i> , 2022 , 8, eabj1325	14.3	0
3	A holistic provenance and microwear study of pre-colonial jade objects from the Virgin Islands: Unravelling mobility networks in the wider Caribbean. <i>Journal of Archaeological Science: Reports</i> , 2022 , 41, 103223	0.7	
2	Effect of barite-bound Sr on detrital Sr isotope systematics in marine sediments. <i>Chemical Geology</i> , 2021 , 120613	4.2	
1	A dietary assessment of colonial Cape Town's enslaved population. <i>Archaeological and Anthropological Sciences</i> , 2021 , 13, 1	1.8	