

Geoffrey M Nowell

List of Publications by Year in descending order

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93
papers

5,803
citations

66315

42
h-index

74108

75
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94
all docs

94
docs citations

94
times ranked

4509
citing authors

#	ARTICLE	IF	CITATIONS
1	Sidon on the breadth of the wild sea: Movement and diet on the Mediterranean coast in the <sc>Middle Bronze Age</sc>. <i>American Journal of Biological Anthropology</i> , 2022, 177, 116-133.	0.6	4
2	An isotopic and genetic study of multi-cultural colonial New Zealand. <i>Journal of Archaeological Science</i> , 2021, 128, 105337.	1.2	9
3	Fractionation of rhenium isotopes in the Mackenzie River basin during oxidative weathering. <i>Earth and Planetary Science Letters</i> , 2021, 573, 117131.	1.8	9
4	Simultaneous measurement of neodymium stable and radiogenic isotopes from a single aliquot using a double spike. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 388-402.	1.6	18
5	At the world's edge: Reconstructing diet and geographic origins in medieval Iceland using isotope and trace element analyses. <i>American Journal of Physical Anthropology</i> , 2020, 171, 142-163.	2.1	9
6	A multi-isotope (C, N, O, Sr, Pb) study of Iron Age and Roman period skeletons from east Edinburgh, Scotland exploring the relationship between decapitation burials and geographical origins. <i>Journal of Archaeological Science: Reports</i> , 2020, 29, 102075.	0.2	9
7	â€œCaptain of All These Men of Deathâ€ An Integrated Case Study of Tuberculosis in Nineteenth-Century Otago, New Zealand. <i>Bioarchaeology International</i> , 2020, 3, 217-237.	0.4	9
8	Who were the Hyksos? Challenging traditional narratives using strontium isotope ($^{87}\text{Sr}/^{86}\text{Sr}$) analysis of human remains from ancient Egypt. <i>PLoS ONE</i> , 2020, 15, e0235414.	1.1	19
9	A multi-isotope, multi-tissue study of colonial origins and diet in New Zealand. <i>American Journal of Physical Anthropology</i> , 2020, 172, 605-620.	2.1	9
10	Establishing a strontium isotope baseline in New Zealand for future archaeological migration studies: A case study. <i>Journal of Archaeological Science: Reports</i> , 2020, 32, 102412.	0.2	4
11	Measurements of rhenium isotopic composition in low-abundance samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 377-387.	1.6	13
12	Lead astray: The potentials and pitfalls of lead isotopes in a New Zealand colonial burial context. <i>Journal of Archaeological Science: Reports</i> , 2020, 30, 102213.	0.2	5
13	The origins of decorated ostrich eggs in the ancient Mediterranean and Middle East. <i>Antiquity</i> , 2020, 94, 381-400.	0.5	23
14	Stratigraphically controlled sampling captures the onset of highly fluid-fluxed melting at San Jorge volcano, Southern Volcanic Zone, Chile. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	1.2	6
15	Extensive crustal extraction in Earth's early history inferred from molybdenum isotopes. <i>Nature Geoscience</i> , 2019, 12, 946-951.	5.4	55
16	â€œInvestigation of a historical crime sceneâ€ A comprehensive study of an unusual burial in the Calvinist Church of Sly, Hungary. <i>Journal of Archaeological Science: Reports</i> , 2019, 25, 320-330.	0.2	1
17	Kimberlites reveal 2.5-billion-year evolution of a deep, isolated mantle reservoir. <i>Nature</i> , 2019, 573, 578-581.	13.7	64
18	Isotopic analysis of burials from the early Anglo-Saxon cemetery at Eastbourne, Sussex, U.K.. <i>Journal of Archaeological Science: Reports</i> , 2018, 19, 513-525.	0.2	3

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19	Detecting Mobility in Early Iron Age Thessaly by Strontium Isotope Analysis. <i>European Journal of Archaeology</i> , 2018, 21, 590-611.	0.3	12
20	Weathering fluxes and sediment provenance on the SW Scottish shelf during the last deglaciation. <i>Marine Geology</i> , 2018, 402, 81-98.	0.9	7
21	Evidence for a 200 km thick diamond-bearing root beneath the Central Mackenzie Valley, Northwest Territories, Canada? Diamond indicator mineral geochemistry from the Horn Plateau and Trout Lake regions. <i>Mineralogy and Petrology</i> , 2018, 112, 719-736.	0.4	0
22	A Meeting in the Forest: Hunters and Farmers at the Coneybury "Anomaly", Wiltshire. <i>Proceedings of the Prehistoric Society</i> , London, 2018, 84, 111-144.	0.2	24
23	Highly siderophile elements mobility in the subcontinental lithospheric mantle beneath southern Patagonia. <i>Lithos</i> , 2018, 314-315, 579-596.	0.6	27
24	Multi-isotope evidence for cattle droving at Roman Worcester. <i>Journal of Archaeological Science: Reports</i> , 2018, 20, 6-17.	0.2	8
25	Mesoarchean melting and Neoproterozoic to Paleoproterozoic metasomatism during the formation of the cratonic mantle keel beneath West Greenland. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 37-53.	1.6	12
26	High precision osmium stable isotope measurements by double spike MC-ICP-MS and N-TIMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 749-765.	1.6	20
27	The geological record of base metal sulfides in the cratonic mantle: A microscale ¹⁸⁷ Os/ ¹⁸⁸ Os study of peridotite xenoliths from Somerset Island, Rae Craton (Canada). <i>Geochimica Et Cosmochimica Acta</i> , 2017, 216, 264-285.	1.6	30
28	The behavior of iron and zinc stable isotopes accompanying the subduction of mafic oceanic crust: A case study from Western Alpine ophiolites. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2562-2579.	1.0	68
29	An evaluation of Mesozoic rift-related magmatism on the margins of the Labrador Sea: Implications for rifting and passive margin asymmetry. , 2016, 12, 1701-1724.		32
30	Source and pathway analysis of lead and polycyclic aromatic hydrocarbons in Lisbon urban soils. <i>Science of the Total Environment</i> , 2016, 573, 324-336.	3.9	30
31	Osmium isotope compositions of detrital Os-rich alloys from the Rhine River provide evidence for a global late Mesoproterozoic mantle depletion event. <i>Earth and Planetary Science Letters</i> , 2016, 452, 115-122.	1.8	20
32	Letter to the editor: Response to Oxenham and Matsumura. <i>American Journal of Physical Anthropology</i> , 2016, 159, 352-354.	2.1	0
33	Titanium stable isotope investigation of magmatic processes on the Earth and Moon. <i>Earth and Planetary Science Letters</i> , 2016, 449, 197-205.	1.8	99
34	Strontium isotope evidence of early Funnel Beaker Culture movement of cattle. <i>Journal of Archaeological Science: Reports</i> , 2016, 6, 248-251.	0.2	22
35	Using isotopic evidence to assess the impact of migration and the two-layer hypothesis in prehistoric Northeast Thailand. <i>American Journal of Physical Anthropology</i> , 2015, 158, 141-150.	2.1	15
36	Highly saline fluids from a subducting slab as the source for fluid-rich diamonds. <i>Nature</i> , 2015, 524, 339-342.	13.7	137

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37	The nature and history of the Qilian Block in the context of the development of the Greater Tibetan Plateau. <i>Gondwana Research</i> , 2015, 28, 209-224.	3.0	104
38	Petrology and Nd-Hf Isotope Geochemistry of the Neoproterozoic Amon Kimberlite Sills, Baffin Island (Canada): Evidence for Deep Mantle Magmatic Activity Linked to Supercontinent Cycles. <i>Journal of Petrology</i> , 2014, 55, 2003-2042.	1.1	69
39	Multidisciplinary investigation of a "British big cat": a lynx killed in southern England c. 1903. <i>Historical Biology</i> , 2014, 26, 441-448.	0.7	1
40	Economic change after the agricultural revolution in Southeast Asia?. <i>Antiquity</i> , 2014, 88, 112-125.	0.5	15
41	The sources and time-integrated evolution of diamond-forming fluids " Trace elements and isotopic evidence. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 146-169.	1.6	44
42	Anglo-Saxon origins investigated by isotopic analysis of burials from Berinsfield, Oxfordshire, UK. <i>Journal of Archaeological Science</i> , 2014, 42, 81-92.	1.2	32
43	Geochemical constraints on the petrogenesis of granitoids in the East Kunlun Orogenic belt, northern Tibetan Plateau: Implications for continental crust growth through syn-collisional felsic magmatism. <i>Chemical Geology</i> , 2014, 370, 1-18.	1.4	188
44	Hadean mantle melting recorded by southwest Greenland chromitite 186Os signatures. <i>Nature Geoscience</i> , 2013, 6, 871-874.	5.4	28
45	Isotopic tracing of the impact of mobility on infectious disease: The origin of people with treponematosi s buried in hull, England, in the late medieval period. <i>American Journal of Physical Anthropology</i> , 2013, 150, 273-285.	2.1	24
46	Moving peoples, changing diets: isotopic differences highlight migration and subsistence changes in the Upper Mun River Valley, Thailand. <i>Journal of Archaeological Science</i> , 2013, 40, 1681-1688.	1.2	41
47	Mobility histories of 7th-9th century AD people buried at early medieval Bamburgh, Northumberland, England. <i>American Journal of Physical Anthropology</i> , 2013, 151, 462-476.	2.1	37
48	Mantle transition zone input to kimberlite magmatism near a subduction zone: Origin of anomalous Nd-Hf isotope systematics at Lac de Gras, Canada. <i>Earth and Planetary Science Letters</i> , 2013, 371-372, 235-251.	1.8	111
49	Archean mantle fluids preserved in fibrous diamonds from Wawa, Superior craton. <i>Geology</i> , 2012, 40, 1071-1074.	2.0	44
50	Disequilibrium melting during crustal anatexis and implications for modeling open magmatic systems. <i>Geology</i> , 2012, 40, 435-438.	2.0	56
51	High-resolution measurements of sulphur isotope variations in sediment pore-waters by laser ablation multicollector inductively coupled plasma mass spectrometry. <i>Chemical Geology</i> , 2012, 291, 278-285.	1.4	22
52	Community differentiation and kinship among Europe's first farmers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9326-9330.	3.3	153
53	A fresh isotopic look at Greenland kimberlites: Cratonic mantle lithosphere imprint on deep source signal. <i>Earth and Planetary Science Letters</i> , 2011, 305, 235-248.	1.8	140
54	Mantle xenoliths from Tallante (Betic Cordillera): Insights into the multi-stage evolution of the south Iberian lithosphere. <i>Lithos</i> , 2011, 124, 308-318.	0.6	34

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55	Roots of diversity in a Linearbandkeramik community: isotope evidence at Aiterhofen (Bavaria, Germany). <i>Antiquity</i> , 2011, 85, 1243-1258.	0.5	21
56	Application of the ^{190}Pt - ^{186}Os Isotope System to Dating Platinum Mineralization and Ophiolite Formation: An Example from the Meratus Mountains, Borneo. <i>Economic Geology</i> , 2011, 106, 93-117.	1.8	44
57	Plio-Pleistocene intra-plate magmatism from the southern Sulu Arc, Semporna peninsula, Sabah, Borneo: Implications for high-Nb basalt in subduction zones. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 190, 25-38.	0.8	65
58	Mantle metasomatism by melts of HIMU piclogite components: new insights from Fe-lherzolite xenoliths (Calatrava Volcanic District, central Spain). <i>Geological Society Special Publication</i> , 2010, 337, 107-124.	0.8	26
59	Isotopic Investigation of Diet and Residential Mobility in the Neolithic of the Lower Rhine Basin. <i>European Journal of Archaeology</i> , 2010, 13, 5-31.	0.3	49
60	Mixed fluid sources involved in diamond growth constrained by Sr- $^{87}\text{Sr}/^{86}\text{Sr}$ -Nd- $^{143}\text{Nd}/^{142}\text{Nd}$ -Pb- $^{206}\text{Pb}/^{207}\text{Pb}$ -Ca- $^{44}\text{Ca}/^{40}\text{Ca}$ isotopes and trace elements. <i>Earth and Planetary Science Letters</i> , 2010, 289, 123-133.	1.8	72
61	From source to crust: Tracing magmatic evolution in a kimberlite and a melilitite using microsample geochemistry. <i>Earth and Planetary Science Letters</i> , 2010, 299, 80-90.	1.8	53
62	Community Diversity at Ban Lum Khao, Thailand: Isotopic Evidence from the Skeletons. <i>Asian Perspectives</i> , 2009, 48, 79-97.	0.1	28
63	Quantitative analysis of trace element concentrations in some gem-quality diamonds. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 364207.	0.7	35
64	Magma source evolution beneath the Caribbean oceanic plateau: new insights from elemental and Sr-Nd-Pb-Hf isotopic studies of ODP Leg 165 Site 1001 basalts. <i>Geological Society Special Publication</i> , 2009, 328, 809-827.	0.8	22
65	Geochemistry of hypabyssal kimberlites from Lac de Gras, Canada: Comparisons to a global database and applications to the parent magma problem. <i>Lithos</i> , 2009, 112, 236-248.	0.6	211
66	Crystallization of megacrysts from protokimberlitic fluids: Geochemical evidence from high-Cr megacrysts in the Jericho kimberlite. <i>Lithos</i> , 2009, 112, 284-295.	0.6	97
67	Petrogenesis of strongly alkaline primitive volcanic rocks at the propagating tip of the western branch of the East African Rift. <i>Earth and Planetary Science Letters</i> , 2009, 284, 236-248.	1.8	168
68	Combined Sr isotope and trace element analysis of melt inclusions at sub-ng levels using micro-milling, TIMS and ICPMS. <i>Chemical Geology</i> , 2009, 260, 254-268.	1.4	30
69	Petrogenesis of the Swartruggens and Star Group II kimberlite dyke swarms, South Africa: constraints from whole rock geochemistry. <i>Contributions To Mineralogy and Petrology</i> , 2008, 156, 627-652.	1.2	80
70	Origin of cratonic lithospheric mantle roots: A geochemical study of peridotites from the North Atlantic Craton, West Greenland. <i>Earth and Planetary Science Letters</i> , 2008, 274, 24-33.	1.8	91
71	Precise and accurate $^{186}\text{Os}/^{188}\text{Os}$ and $^{187}\text{Os}/^{188}\text{Os}$ measurements by multi-collector plasma ionisation mass spectrometry (MC-ICP-MS) part I: Solution analyses. <i>Chemical Geology</i> , 2008, 248, 363-393.	1.4	58
72	Precise and accurate $^{186}\text{Os}/^{188}\text{Os}$ and $^{187}\text{Os}/^{188}\text{Os}$ measurements by Multi-collector Plasma Ionisation Mass Spectrometry, part II: Laser ablation and its application to single-grain Pt- ^{187}Os and Re- ^{187}Os geochronology. <i>Chemical Geology</i> , 2008, 248, 394-426.	1.4	57

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73	184Os/188Os and 186Os/188Os measurements by Negative Thermal Ionisation Mass Spectrometry (N-TIMS): Effects of interfering element and mass fractionation corrections on data accuracy and precision. <i>Chemical Geology</i> , 2008, 248, 342-362.	1.4	109
74	Enriched Pt-Re-Os Isotope Systematics in Plume Lavas Explained by Metasomatic Sulfides. <i>Science</i> , 2008, 319, 453-456.	6.0	116
75	Sr and Pb Isotope Micro-analysis of Plagioclase Crystals from Skye Lavas: an Insight into Open-system Processes in a Flood Basalt Province. <i>Journal of Petrology</i> , 2008, 49, 1449-1471.	1.1	69
76	Origin of CFB Magmatism: Multi-tiered Intracrustal Picrite-Rhyolite Magmatic Plumbing at Spitzkoppe, Western Namibia, during Early Cretaceous Etendeka Magmatism. <i>Journal of Petrology</i> , 2007, 48, 1119-1154.	1.1	51
77	Adaptive dosing and platinum-DNA adduct formation in children receiving high-dose carboplatin for the treatment of solid tumours. <i>British Journal of Cancer</i> , 2007, 96, 725-731.	2.9	35
78	Combining CSD and isotopic microanalysis: Magma supply and mixing processes at Stromboli Volcano, Aeolian Islands, Italy. <i>Earth and Planetary Science Letters</i> , 2007, 260, 419-431.	1.8	69
79	Sr isotope analysis of bird feathers by TIMS: a tool to trace bird migration paths and breeding sites. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 513.	1.6	57
80	Lapita Migrants in the Pacific's Oldest Cemetery: Isotopic Analysis at Teouma, Vanuatu. <i>American Antiquity</i> , 2007, 72, 645-656.	0.6	72
81	A link between large mantle melting events and continent growth seen in osmium isotopes. <i>Nature</i> , 2007, 449, 202-205.	13.7	216
82	Evidence of diverse depletion and metasomatic events in harzburgite-herzolite mantle xenoliths from the Iberian plate (Olot, NE Spain): Implications for lithosphere accretionary processes. <i>Lithos</i> , 2007, 94, 25-45.	0.6	64
83	Methods for the microsampling and high-precision analysis of strontium and rubidium isotopes at single crystal scale for petrological and geochronological applications. <i>Chemical Geology</i> , 2006, 232, 114-133.	1.4	246
84	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.	1.1	92
85	A Phase I and Pharmacodynamic Study of Fludarabine, Carboplatin, and Topotecan in Patients With Relapsed, Refractory, or High-Risk Acute Leukemia. <i>Clinical Cancer Research</i> , 2004, 10, 6830-6839.	3.2	24
86	Re-Os and Lu-Hf Isotope Constraints on the Origin and Age of Pyroxenites from the Beni Bousera Peridotite Massif: Implications for Mixed Peridotite-Pyroxenite Mantle Sources. <i>Journal of Petrology</i> , 2004, 45, 439-455.	1.1	157
87	Hf Isotope Systematics of Kimberlites and their Megacrysts: New Constraints on their Source Regions. <i>Journal of Petrology</i> , 2004, 45, 1583-1612.	1.1	279
88	Common-Pb corrected in situ U-Pb accessory mineral geochronology by LA-MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 837-846.	1.6	346
89	Re-Os isotope characteristics of postorogenic lavas: Implications for the nature of young lithospheric mantle and its contribution to basaltic magmas. <i>Geology</i> , 2000, 28, 563.	2.0	26
90	The Iceland plume in space and time: a Sr-Nd-Pb-Hf study of the North Atlantic rifted margin. <i>Earth and Planetary Science Letters</i> , 2000, 177, 255-271.	1.8	171

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91	Magmatism Associated with Orogenic Collapse of the Betic-Alboran Domain, SE Spain. <i>Journal of Petrology</i> , 1999, 40, 1011-1036.	1.1	274
92	The evolution from Miocene potassic to Quaternary sodic magmatism in western Turkey: implications for enrichment processes in the lithospheric mantle. <i>Journal of Volcanology and Geothermal Research</i> , 1997, 76, 127-147.	0.8	146
93	Jordanian migration and mobility in the Middle Bronze Age (ca. 2100â€“1550â€‰BCE) at Pella. <i>International Journal of Osteoarchaeology</i> , 0, , .	0.6	2