# Geoffrey M Nowell

List of Publications by Year
in descending order



| 93 | 5,803 | 66315 | 74108 |
|---|---|---|---|
| papers | citations | 42 h-index | 75 g-index |

| 94 | 94 | 94 | 4509 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Common-Pb corrected in situ Uâ€“Pb accessory mineral geochronology by LA-MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 837-846. | 1.6 | 346 |
| 2 | Hf Isotope Systematics of Kimberlites and their Megacrysts: New Constraints on their Source Regions. Journal of Petrology, 2004, 45, 1583-1612. | 1.1 | 279 |
| 3 | Magmatism Associated with Orogenic Collapse of the Betic-Alboran Domain, SE Spain. Journal of Petrology, 1999, 40, 1011-1036. | 1.1 | 274 |
| 4 | Methods for the microsampling and high-precision analysis of strontium and rubidium isotopes at single crystal scale for petrological and geochronological applications. Chemical Geology, 2006, 232, 114-133. | 1.4 | 246 |
| 5 | A link between large mantle melting events and continent growth seen in osmium isotopes. Nature, 2007, 449, 202-205. | 13.7 | 216 |
| 6 | Geochemistry of hypabyssal kimberlites from Lac de Gras, Canada: Comparisons to a global database and applications to the parent magma problem. Lithos, 2009, 112, 236-248. | 0.6 | 211 |
| 7 | 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. Chemical Geology, 2014, 370, 1-18. | 1.4 | 188 |
| 8 | The Iceland plume in space and time: a Srâ€“Ndâ€“Pbâ€“Hf study of the North Atlantic rifted margin. Earth and Planetary Science Letters, 2000, 177, 255-271. | 1.8 | 171 |
| 9 | Petrogenesis of strongly alkaline primitive volcanic rocks at the propagating tip of the western branch of the East African Rift. Earth and Planetary Science Letters, 2009, 284, 236-248. | 1.8 | 168 |
| 10 | 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. Journal of Petrology, 2004, 45, 439-455. | 1.1 | 157 |
| 11 | Community differentiation and kinship among Europeâ€™s first farmers. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9326-9330. | 3.3 | 153 |
| 12 | The evolution from Miocene potassic to Quaternary sodic magmatism in western Turkey: implications for enrichment processes in the lithospheric mantle. Journal of Volcanology and Geothermal Research, 1997, 76, 127-147. | 0.8 | 146 |
| 13 | A fresh isotopic look at Greenland kimberlites: Cratonic mantle lithosphere imprint on deep source signal. Earth and Planetary Science Letters, 2011, 305, 235-248. | 1.8 | 140 |
| 14 | Highly saline fluids from a subducting slab as the source for fluid-rich diamonds. Nature, 2015, 524, 339-342. | 13.7 | 137 |
| 15 | Enriched Pt-Re-Os Isotope Systematics in Plume Lavas Explained by Metasomatic Sulfides. Science, 2008, 319, 453-456. | 6.0 | 116 |
| 16 | Mantle transition zone input to kimberlite magmatism near a subduction zone: Origin of anomalous Ndâ€“Hf isotope systematics at Lac de Gras, Canada. Earth and Planetary Science Letters, 2013, 371-372, 235-251. | 1.8 | 111 |
| 17 | 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. Chemical Geology, 2008, 248, 342-362. | 1.4 | 109 |
| 18 | The nature and history of the Qilian Block in the context of the development of the Greater Tibetan Plateau. Gondwana Research, 2015, 28, 209-224. | 3.0 | 104 |

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| 19 | Titanium stable isotope investigation of magmatic processes on the Earth and Moon. Earth and Planetary Science Letters, 2016, 449, 197-205. | 1.8 | 99 |
| 20 | Crystallization of megacrysts from protokimberlitic fluids: Geochemical evidence from high-Cr megacrysts in the Jericho kimberlite. Lithos, 2009, 112, 284-295. | 0.6 | 97 |
| 21 | Trace Element and Srâ€“Pbâ€“Ndâ€“Hf Isotope Evidence for Ancient, Fluid-Dominated Enrichment of the Source of Aldan Shield Lamproites. Journal of Petrology, 2006, 47, 1119-1146. | 1.1 | 92 |
| 22 | Origin of cratonic lithospheric mantle roots: A geochemical study of peridotites from the North Atlantic Craton, West Greenland. Earth and Planetary Science Letters, 2008, 274, 24-33. | 1.8 | 91 |
| 23 | Petrogenesis of the Swartruggens and Star Group II kimberlite dyke swarms, South Africa: constraints from whole rock geochemistry. Contributions To Mineralogy and Petrology, 2008, 156, 627-652. | 1.2 | 80 |
| 24 | Lapita Migrants in the Pacific's Oldest Cemetery: Isotopic Analysis at Teouma, Vanuatu. American Antiquity, 2007, 72, 645-656. | 0.6 | 72 |
| 25 | Mixed fluid sources involved in diamond growth constrained by Srâ€“Ndâ€“Pbâ€“Câ€“N isotopes and trace elements. Earth and Planetary Science Letters, 2010, 289, 123-133. | 1.8 | 72 |
| 26 | Combining CSD and isotopic microanalysis: Magma supply and mixing processes at Stromboli Volcano, Aeolian Islands, Italy. Earth and Planetary Science Letters, 2007, 260, 419-431. | 1.8 | 69 |
| 27 | Sr and Pb Isotope Micro-analysis of Plagioclase Crystals from Skye Lavas: an Insight into Open-system Processes in a Flood Basalt Province. Journal of Petrology, 2008, 49, 1449-1471. | 1.1 | 69 |
| 28 | Petrology and Ndâ€“Hf Isotope Geochemistry of the Neoproterozoic Amon Kimberlite Sills, Baffin Island (Canada): Evidence for Deep Mantle Magmatic Activity Linked to Supercontinent Cycles. Journal of Petrology, 2014, 55, 2003-2042. | 1.1 | 69 |
| 29 | The behavior of iron and zinc stable isotopes accompanying the subduction of mafic oceanic crust: A case study from <scp>W</scp>estern <scp>A</scp>lpine ophiolites. Geochemistry, Geophysics, Geosystems, 2017, 18, 2562-2579. | 1.0 | 68 |
| 30 | Plio-Pleistocene intra-plate magmatism from the southern Sulu Arc, Semporna peninsula, Sabah, Borneo: Implications for high-Nb basalt in subduction zones. Journal of Volcanology and Geothermal Research, 2010, 190, 25-38. | 0.8 | 65 |
| 31 | Evidence of diverse depletion and metasomatic events in harzburgiteâ€“lherzolite mantle xenoliths from the Iberian plate (Olot, NE Spain): Implications for lithosphere accretionary processes. Lithos, 2007, 94, 25-45. | 0.6 | 64 |
| 32 | Kimberlites reveal 2.5-billion-year evolution of a deep, isolated mantle reservoir. Nature, 2019, 573, 578-581. | 13.7 | 64 |
| 33 | Precise and accurate 186Os/188Os and 187Os/188Os measurements by multi-collector plasma ionisation mass spectrometry (MC-ICP-MS) part I: Solution analyses. Chemical Geology, 2008, 248, 363-393. | 1.4 | 58 |
| 34 | Sr isotope analysis of bird feathers by TIMS: a tool to trace bird migration paths and breeding sites. Journal of Analytical Atomic Spectrometry, 2007, 22, 513. | 1.6 | 57 |
| 35 | Precise and accurate 186Os/188Os and 187Os/188Os measurements by Multi-collector Plasma Ionisation Mass Spectrometry, part II: Laser ablation and its application to single-grain Ptâ€“Os and Reâ€“Os geochronology. Chemical Geology, 2008, 248, 394-426. | 1.4 | 57 |
| 36 | Disequilibrium melting during crustal anatexis and implications for modeling open magmatic systems. Geology, 2012, 40, 435-438. | 2.0 | 56 |

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| 37 | Extensive crustal extraction in Earthâ€™s early history inferred from molybdenum isotopes. Nature Geoscience, 2019, 12, 946-951. | 5.4 | 55 |
| 38 | From source to crust: Tracing magmatic evolution in a kimberlite and a melilitite using microsample geochemistry. Earth and Planetary Science Letters, 2010, 299, 80-90. | 1.8 | 53 |
| 39 | Origin of CFB Magmatism: Multi-tiered Intracrustal Picrite-Rhyolite Magmatic Plumbing at Spitzkoppe, Western Namibia, during Early Cretaceous Etendeka Magmatism. Journal of Petrology, 2007, 48, 1119-1154. | 1.1 | 51 |
| 40 | Isotopic Investigation of Diet and Residential Mobility in the Neolithic of the Lower Rhine Basin. European Journal of Archaeology, 2010, 13, 5-31. | 0.3 | 49 |
| 41 | Application of the 190Pt-186Os Isotope System to Dating Platinum Mineralization and Ophiolite Formation: An Example from the Meratus Mountains, Borneo. Economic Geology, 2011, 106, 93-117. | 1.8 | 44 |
| 42 | Archean mantle fluids preserved in fibrous diamonds from Wawa, Superior craton. Geology, 2012, 40, 1071-1074. | 2.0 | 44 |
| 43 | The sources and time-integrated evolution of diamond-forming fluids â€“ Trace elements and isotopic evidence. Geochimica Et Cosmochimica Acta, 2014, 125, 146-169. | 1.6 | 44 |
| 44 | Moving peoples, changing diets: isotopic differences highlight migration and subsistence changes in the Upper Mun River Valley, Thailand. Journal of Archaeological Science, 2013, 40, 1681-1688. | 1.2 | 41 |
| 45 | Mobility histories of 7thâ€“9th century AD people buried at early medieval Bamburgh, Northumberland, England. American Journal of Physical Anthropology, 2013, 151, 462-476. | 2.1 | 37 |
| 46 | Adaptive dosing and platinumâ€“DNA adduct formation in children receiving high-dose carboplatin for the treatment of solid tumours. British Journal of Cancer, 2007, 96, 725-731. | 2.9 | 35 |
| 47 | Quantitative analysis of trace element concentrations in some gem-quality diamonds. Journal of Physics Condensed Matter, 2009, 21, 364207. | 0.7 | 35 |
| 48 | Mantle xenoliths from Tallante (Betic Cordillera): Insights into the multi-stage evolution of the south Iberian lithosphere. Lithos, 2011, 124, 308-318. | 0.6 | 34 |
| 49 | Anglo-Saxon origins investigated by isotopic analysis of burials from Berinsfield, Oxfordshire, UK. Journal of Archaeological Science, 2014, 42, 81-92. | 1.2 | 32 |
| 50 | 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 |
| 51 | Combined Sr isotope and trace element analysis of melt inclusions at sub-ng levels using micro-milling, TIMS and ICPMS. Chemical Geology, 2009, 260, 254-268. | 1.4 | 30 |
| 52 | Source and pathway analysis of lead and polycyclic aromatic hydrocarbons in Lisbon urban soils. Science of the Total Environment, 2016, 573, 324-336. | 3.9 | 30 |
| 53 | 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). Geochimica Et Cosmochimica Acta, 2017, 216, 264-285. | 1.6 | 30 |
| 54 | Community Diversity at Ban Lum Khao, Thailand: Isotopic Evidence from the Skeletons. Asian Perspectives, 2009, 48, 79-97. | 0.1 | 28 |

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| 55 | Hadean mantle melting recorded by southwest Greenland chromitite 186Os signatures. Nature Geoscience, 2013, 6, 871-874. | 5.4 | 28 |
| 56 | Highly siderophile elements mobility in the subcontinental lithospheric mantle beneath southern Patagonia. Lithos, 2018, 314-315, 579-596. | 0.6 | 27 |
| 57 | Re-Os isotope characteristics of postorogenic lavas: Implications for the nature of young lithospheric mantle and its contribution to basaltic magmas. Geology, 2000, 28, 563. | 2.0 | 26 |
| 58 | Mantle metasomatism by melts of HIMU piclogite components: new insights from Fe-lherzolite xenoliths (Calatrava Volcanic District, central Spain). Geological Society Special Publication, 2010, 337, 107-124. | 0.8 | 26 |
| 59 | A Phase I and Pharmacodynamic Study of Fludarabine, Carboplatin, and Topotecan in Patients With Relapsed, Refractory, or High-Risk Acute Leukemia. Clinical Cancer Research, 2004, 10, 6830-6839. | 3.2 | 24 |
| 60 | Isotopic tracing of the impact of mobility on infectious disease: The origin of people with treponematosis buried in hull, England, in the late medieval period. American Journal of Physical Anthropology, 2013, 150, 273-285. | 2.1 | 24 |
| 61 | A Meeting in the Forest: Hunters and Farmers at the Coneybury â€˜Anomalyâ€™, Wiltshire. Proceedings of the Prehistoric Society, London, 2018, 84, 111-144. | 0.2 | 24 |
| 62 | The origins of decorated ostrich eggs in the ancient Mediterranean and Middle East. Antiquity, 2020, 94, 381-400. | 0.5 | 23 |
| 63 | 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. Geological Society Special Publication, 2009, 328, 809-827. | 0.8 | 22 |
| 64 | High-resolution measurements of sulphur isotope variations in sediment pore-waters by laser ablation multicollector inductively coupled plasma mass spectrometry. Chemical Geology, 2012, 291, 278-285. | 1.4 | 22 |
| 65 | Strontium isotope evidence of early Funnel Beaker Culture movement of cattle. Journal of Archaeological Science: Reports, 2016, 6, 248-251. | 0.2 | 22 |
| 66 | Roots of diversity in aLinearbandkeramikcommunity: isotope evidence at Aiterhofen (Bavaria, Germany). Antiquity, 2011, 85, 1243-1258. | 0.5 | 21 |
| 67 | Osmium isotope compositions of detrital Os-rich alloys from the Rhine River provide evidence for a global late Mesoproterozoic mantle depletion event. Earth and Planetary Science Letters, 2016, 452, 115-122. | 1.8 | 20 |
| 68 | High precision osmium stable isotope measurements by double spike MC-ICP-MS and N-TIMS. Journal of Analytical Atomic Spectrometry, 2017, 32, 749-765. | 1.6 | 20 |
| 69 | Who were the Hyksos? Challenging traditional narratives using strontium isotope (87Sr/86Sr) analysis of human remains from ancient Egypt. PLoS ONE, 2020, 15, e0235414. | 1.1 | 19 |
| 70 | Simultaneous measurement of neodymium stable and radiogenic isotopes from a single aliquot using a double spike. Journal of Analytical Atomic Spectrometry, 2020, 35, 388-402. | 1.6 | 18 |
| 71 | Economic change after the agricultural revolution in Southeast Asia?. Antiquity, 2014, 88, 112-125. | 0.5 | 15 |
| 72 | Using isotopic evidence to assess the impact of migration and the twoâ€layer hypothesis in prehistoric Northeast <scp>T</scp>hailand. American Journal of Physical Anthropology, 2015, 158, 141-150. | 2.1 | 15 |

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| 73 | Measurements of rhenium isotopic composition in low-abundance samples. Journal of Analytical Atomic Spectrometry, 2020, 35, 377-387. | 1.6 | 13 |
| 74 | Mesoarchean melting and Neoarchean to Paleoproterozoic metasomatism during the formation of the cratonic mantle keel beneath West Greenland. Geochimica Et Cosmochimica Acta, 2017, 203, 37-53. | 1.6 | 12 |
| 75 | Detecting Mobility in Early Iron Age Thessaly by Strontium Isotope Analysis. European Journal of Archaeology, 2018, 21, 590-611. | 0.3 | 12 |
| 76 | At the world's edge: Reconstructing diet and geographic origins in medieval Iceland using isotope and trace element analyses. American Journal of Physical Anthropology, 2020, 171, 142-163. | 2.1 | 9 |
| 77 | 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. Journal of Archaeological Science: Reports, 2020, 29, 102075. | 0.2 | 9 |
| 78 | â€œCaptain of All These Men of Deathâ€: An Integrated Case Study of Tuberculosis in Nineteenth-Century Otago, New Zealand. Bioarchaeology International, 2020, 3, 217-237. | 0.4 | 9 |
| 79 | A multiâ€isotope, multiâ€tissue study of colonial origins and diet in New Zealand. American Journal of Physical Anthropology, 2020, 172, 605-620. | 2.1 | 9 |
| 80 | An isotopic and genetic study of multi-cultural colonial New Zealand. Journal of Archaeological Science, 2021, 128, 105337. | 1.2 | 9 |
| 81 | Fractionation of rhenium isotopes in the Mackenzie River basin during oxidative weathering. Earth and Planetary Science Letters, 2021, 573, 117131. | 1.8 | 9 |
| 82 | Multi-isotope evidence for cattle droving at Roman Worcester. Journal of Archaeological Science: Reports, 2018, 20, 6-17. | 0.2 | 8 |
| 83 | Weathering fluxes and sediment provenance on the SW Scottish shelf during the last deglaciation. Marine Geology, 2018, 402, 81-98. | 0.9 | 7 |
| 84 | Stratigraphically controlled sampling captures the onset of highly fluid-fluxed melting at San Jorge volcano, Southern Volcanic Zone, Chile. Contributions To Mineralogy and Petrology, 2019, 174, 1. | 1.2 | 6 |
| 85 | Lead astray: The potentials and pitfalls of lead isotopes in a New Zealand colonial burial context. Journal of Archaeological Science: Reports, 2020, 30, 102213. | 0.2 | 5 |
| 86 | Establishing a strontium isotope baseline in New Zealand for future archaeological migration studies: A case study. Journal of Archaeological Science: Reports, 2020, 32, 102412. | 0.2 | 4 |
| 87 | Sidon on the breadth of the wild sea: Movement and diet on the Mediterranean coast in the <scp>Middle Bronze Age</scp>. American Journal of Biological Anthropology, 2022, 177, 116-133. | 0.6 | 4 |
| 88 | Isotopic analysis of burials from the early Anglo-Saxon cemetery at Eastbourne, Sussex, U.K.. Journal of Archaeological Science: Reports, 2018, 19, 513-525. | 0.2 | 3 |
| 89 | Jordanian migration and mobility in the Middle Bronze Age (ca. 2100â€“1550â€‰BCE) at Pella. International Journal of Osteoarchaeology, 0, , . | 0.6 | 2 |
| 90 | Multidisciplinary investigation of a â€˜British big catâ€™: a lynx killed in southern England c. 1903. Historical Biology, 2014, 26, 441-448. | 0.7 | 1 |

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| 91 | â€œInvestigation of a historical crime sceneâ€• A comprehensive study of an unusual burial in the Calvinist Church of SÃ³ly, Hungary. Journal of Archaeological Science: Reports, 2019, 25, 320-330. | 0.2 | 1 |
| 92 | Letter to the editor: Response to Oxenham and Matsumura. American Journal of Physical Anthropology, 2016, 159, 352-354. | 2.1 | 0 |
| 93 | Evidence for a 200Âkm thick diamond-bearing root beneath the Central Mackenzie Valley, Northwest Territories, Canada? Diamond indicator mineral geochemistry from the Horn Plateau and Trout Lake regions. Mineralogy and Petrology, 2018, 112, 719-736. | 0.4 | 0 |