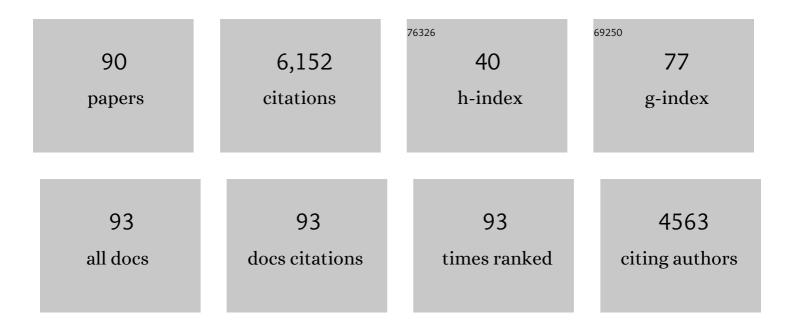
Colin G Macpherson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Adakites without slab melting: High pressure differentiation of island arc magma, Mindanao, the Philippines. Earth and Planetary Science Letters, 2006, 243, 581-593.	4.4	924
2	Amphibole "sponge―in arc crust?. Geology, 2007, 35, 787.	4.4	848
3	Oxygen isotope composition of mantle peridotite. Earth and Planetary Science Letters, 1994, 128, 231-241.	4.4	591
4	Resolution of the effects of crustal assimilation, sediment subduction, and fluid transport in island arc magmas: PbSrNdO isotope geochemistry of Grenada, Lesser Antilles. Geochimica Et Cosmochimica Acta, 1996, 60, 4785-4810.	3.9	176
5	Extreme 3He/4He ratios in northwest Iceland: constraining the common component in mantle plumes. Earth and Planetary Science Letters, 1999, 173, 53-60.	4.4	158
6	Evidence for distinct proportions of subducted oceanic crust and lithosphere in HIMU-type mantle beneath El Hierro and La Palma, Canary Islands. Geochimica Et Cosmochimica Acta, 2010, 74, 6565-6589.	3.9	146
7	Tectonic setting of Eocene boninite magmatism in the Izu–Bonin–Mariana forearc. Earth and Planetary Science Letters, 2001, 186, 215-230.	4.4	140
8	Pyroxenite-rich mantle formed by recycled oceanic lithosphere: Oxygen-osmium isotope evidence from Canary Island lavas. Geology, 2009, 37, 555-558.	4.4	116
9	Aerosol forcing of the position of the intertropical convergence zone since ad 1550. Nature Geoscience, 2015, 8, 195-200.	12.9	112
10	Resolving Crustal and Mantle Contributions to Continental Flood Volcanism, Yemen; Constraints from Mineral Oxygen Isotope Data. Journal of Petrology, 2000, 41, 1805-1820.	2.8	103
11	Titanium stable isotope investigation of magmatic processes on the Earth and Moon. Earth and Planetary Science Letters, 2016, 449, 197-205.	4.4	99
12	Constraining Fluid and Sediment Contributions to Subduction-Related Magmatism in Indonesia: Ijen Volcanic Complex. Journal of Petrology, 2007, 48, 1155-1183.	2.8	97
13	High-precision oxygen isotope microanalysis of ferromagnesian minerals by laser-fluorination. Chemical Geology, 1993, 105, 305-318.	3.3	96
14	Inter-element fractionation of highly siderophile elements in the Tonga Arc due to flux melting of a depleted source. Geochimica Et Cosmochimica Acta, 2012, 89, 202-225.	3.9	89
15	Helium isotope ratios in mafic phenocrysts and geothermal fluids from La Palma, the Canary Islands (Spain): implications for HIMU mantle sources. Geochimica Et Cosmochimica Acta, 2000, 64, 2119-2132.	3.9	81
16	Hf–Nd isotope and trace element constraints on subduction inputs at island arcs: Limitations of Hf anomalies as sediment input indicators. Earth and Planetary Science Letters, 2011, 304, 212-223.	4.4	81
17	Variable water input controls evolution of the Lesser Antilles volcanic arc. Nature, 2020, 582, 525-529.	27.8	81
18	High-3He/4He, depleted mantle and low-δ18O, recycled oceanic lithosphere in the source of central Iceland magmatism. Earth and Planetary Science Letters, 2005, 233, 411-427.	4.4	77

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19	Lapita Migrants in the Pacific's Oldest Cemetery: Isotopic Analysis at Teouma, Vanuatu. American Antiquity, 2007, 72, 645-656.	1.1	72
20	Shifting Gender Relations at Khok Phanom Di, Thailand. Current Anthropology, 2007, 48, 301-314.	1.6	69
21	Trace Element and Isotope Geochemistry of the Volcanic Rocks of Bequia, Grenadine Islands, Lesser Antilles Arc: a Study of Subduction Enrichment and Intra-crustal Contamination. Journal of Petrology, 1996, 37, 117-143.	2.8	68
22	High 3He/4He ratios in the Manus backarc basin: Implications for mantle mixing and the origin of plumes in the western Pacific Ocean. Geology, 1998, 26, 1007.	4.4	65
23	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.	2.1	65
24	Extreme platinum-group element fractionation and variable Os isotope compositions in Philippine Sea Plate basalts: Tracing mantle source heterogeneity. Chemical Geology, 2008, 248, 213-238.	3.3	63
25	Resolving Sediment Subduction and Crustal Contamination in the Lesser Antilles Island Arc: a Combined He–O–Sr Isotope Approach. Journal of Petrology, 2002, 43, 143-170.	2.8	62
26	Magma mush chemistry at subduction zones, revealed by new melt major element inversion from calcic amphiboles. American Mineralogist, 2017, 102, 1353-1367.	1.9	60
27	Long-term preservation of slab signatures in the mantle inferred from hydrogen isotopes. Nature Geoscience, 2012, 5, 224-228.	12.9	57
28	Osmium isotopes in Baffin Island and West Greenland picrites: Implications for the 187Os/188Os composition of the convecting mantle and the nature of high 3He/4He mantle. Earth and Planetary Science Letters, 2009, 278, 267-277.	4.4	56
29	Persistent northward North Atlantic tropical cyclone track migration over the past five centuries. Scientific Reports, 2016, 6, 37522.	3.3	53
30	The role of arc migration in the development of the Lesser Antilles: A new tectonic model for the Cenozoic evolution of the eastern Caribbean. Geology, 2019, 47, 891-895.	4.4	53
31	Evidence for an 180-depleted mantle plume from contrasting 180/160 ratios of back-arc lavas from the Manus Basin and Mariana Trough. Earth and Planetary Science Letters, 2000, 176, 171-183.	4.4	52
32	Lithosphere erosion and crustal growth in subduction zones: Insights from initiation of the nascent East Philippine Arc. Geology, 2008, 36, 311.	4.4	52
33	Carbon isotope variations of CO2 in Central Lau Basin basalts and ferrobasalts. Earth and Planetary Science Letters, 1994, 121, 263-276.	4.4	51
34	Oxygen isotope geochemistry of lavas from an oceanic to continental arc transition, Kermadec–Hikurangi margin, SW Pacific. Earth and Planetary Science Letters, 1998, 160, 609-621.	4.4	50
35	The CO2-He-Ar-H2O systematics of the manus back-arc basin: resolving source composition from degassing and contamination effects. Geochimica Et Cosmochimica Acta, 2004, 68, 1837-1855.	3.9	49
36	Assimilation of sediments embedded in the oceanic arc crust: myth or reality?. Earth and Planetary Science Letters, 2014, 395, 51-60.	4.4	45

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37	Intertropical convergence zone variability in the Neotropics during the Common Era. Science Advances, 2020, 6, eaax3644.	10.3	45
38	Absence of a high time-integrated 3He/(U+Th) source in the mantle beneath continents. Geology, 2005, 33, 733.	4.4	42
39	Oxygen isotope variations in Lau Basin lavas. Chemical Geology, 1998, 144, 177-194.	3.3	41
40	Re-Os isotope studies of Mindanao adakites: Implications for sources of metals and melts. Geology, 2005, 33, 957.	4.4	41
41	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.	2.4	41
42	Mobility histories of 7th–9th century AD people buried at early medieval Bamburgh, Northumberland, England. American Journal of Physical Anthropology, 2013, 151, 462-476.	2.1	37
43	Adakites without a slab: Remelting of hydrous basalt in the crust and shallow mantle of Borneo to produce the Miocene Sintang Suite and Bau Suite magmatism of West Sarawak. Lithos, 2019, 344-345, 100-121.	1.4	35
44	Andean surface uplift constrained by radiogenic isotopes of arc lavas. Nature Communications, 2018, 9, 969.	12.8	34
45	Unravelling the complexity of magma plumbing at Mount St. Helens: a new trace element partitioning scheme for amphibole. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	34
46	CO 2 , 13 C/ 12 C and H 2 O variability in natural basaltic glasses: a study comparing stepped heating and ftir spectroscopic techniques. Geochimica Et Cosmochimica Acta, 1999, 63, 1805-1813.	3.9	30
47	Nucleogenic neon in high 3He/4He lavas from the Manus back-arc basin: a new perspective on He–Ne decoupling. Earth and Planetary Science Letters, 2001, 194, 53-66.	4.4	30
48	Insights from Pb and O isotopes into along-arc variations in subduction inputs and crustal assimilation for volcanic rocks in Java, Sunda arc, Indonesia. Geochimica Et Cosmochimica Acta, 2014, 139, 205-226.	3.9	29
49	Seeing through the Effects of Crustal Assimilation to Assess the Source Composition beneath the Southern Lesser Antilles Arc. Journal of Petrology, 2015, 56, 815-844.	2.8	29
50	Petrogenesis of Quaternary Intraplate Volcanism, Sana'a, Yemen: Implications for Plume-Lithosphere Interaction and Polybaric Melt Hybridization. Journal of Petrology, 1997, 38, 1359-1390.	2.8	29
51	Community Diversity at Ban Lum Khao, Thailand: Isotopic Evidence from the Skeletons. Asian Perspectives, 2009, 48, 79-97.	0.1	28
52	Age and petrology of the Usun Apau and Linau Balui volcanics: Windows to central Borneo's interior. Journal of Asian Earth Sciences, 2013, 76, 372-388.	2.3	27
53	Alongâ€Arc Heterogeneity in Local Seismicity across the Lesser Antilles Subduction Zone from a Dense Oceanâ€Bottom Seismometer Network. Seismological Research Letters, 2020, 91, 237-247.	1.9	26
54	Geochemical and Sr–O isotopic constraints on magmatic differentiation at Gede Volcanic Complex, West Java, Indonesia. Contributions To Mineralogy and Petrology, 2010, 159, 885-908.	3.1	25

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55	Foreland Magmatism during the Arabia–Eurasia Collision: Pliocene–Quaternary Activity of the KaracadaÄŸ Volcanic Complex, SW Turkey. Journal of Petrology, 2014, 55, 1753-1777.	2.8	25
56	Sources, degassing, and contamination of CO2, H2O, He, Ne, and Ar in basaltic glasses from Kolbeinsey Ridge, North Atlantic. Geochimica Et Cosmochimica Acta, 2005, 69, 5729-5746.	3.9	24
57	Intrinsic or extrinsic population growth in Iron Age northeast Thailand? The evidence from isotopic analysis. Journal of Archaeological Science, 2011, 38, 665-671.	2.4	24
58	lsotopic 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
59	Geochemical evolution of magmatism in an arc-arc collision: the Halmahera and Sangihe arcs, eastern Indonesia. Geological Society Special Publication, 2003, 219, 207-220.	1.3	23
60	Untangling differentiation in arc lavas: Constraints from unusual minor and trace element variations at Salak Volcano, Indonesia. Chemical Geology, 2008, 255, 360-376.	3.3	21
61	Subduction history of the Caribbean from upper-mantle seismic imaging and plate reconstruction. Nature Communications, 2021, 12, 4211.	12.8	21
62	Earth's deepest earthquake swarms track fluid ascent beneath nascent arc volcanoes. Earth and Planetary Science Letters, 2019, 521, 25-36.	4.4	20
63	Evidence from plutonic xenoliths for magma differentiation, mixing and storage in a volatile-rich crystal mush beneath St. Eustatius, Lesser Antilles. Contributions To Mineralogy and Petrology, 2019, 174, 39.	3.1	20
64	Wideâ€Angle Seismic Imaging of Two Modes of Crustal Accretion in Mature Atlantic Ocean Crust. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019100.	3.4	20
65	Timing and tectonic controls in the evolving orogen of SE Asia and the western Pacific and some implications for ore generation. Geological Society Special Publication, 2002, 204, 49-67.	1.3	19
66	The principles of helium exploration. Petroleum Geoscience, 2022, 28, .	1.5	19
67	No slabâ€derived CO ₂ in Mariana Trough backâ€arc basalts: Implications for carbon subduction and for temporary storage of CO ₂ beneath slow spreading ridges. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	18
68	Mantle flow, volatiles, slabâ€surface temperatures and melting dynamics in the north Tonga arc–Lau backâ€arc basin. Journal of Geophysical Research, 2012, 117, .	3.3	18
69	Evolution of the East Philippine Arc: experimental constraints on magmatic phase relations and adakitic melt formation. Contributions To Mineralogy and Petrology, 2011, 162, 835-848.	3.1	17
70	Magmatic Enclaves and Andesitic Lavas from Mt. Lamington, Papua New Guinea: Implications for Recycling of Earlier-fractionated Minerals through Magma Recharge. Journal of Petrology, 2015, 56, 2223-2256.	2.8	17
71	Linear volcanic segments in the central Sunda Arc, Indonesia, identified using Hough Transform analysis: Implications for arc lithosphere control upon volcano distribution. Earth and Planetary Science Letters, 2013, 369-370, 24-33.	4.4	16
72	Polybaric melting of a single mantle source during the Neogene Siverek phase of the KaracadaÄŸ Volcanic Complex, SE Turkey. Lithos, 2012, 146-147, 152-163.	1.4	15

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73	Economic change after the agricultural revolution in Southeast Asia?. Antiquity, 2014, 88, 112-125.	1.0	15
74	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
75	Tectonic strain recorded by magnetic fabrics (AMS) in plutons, including Mt Kinabalu, Borneo: A tool to explore past tectonic regimes and syn-magmatic deformation. Journal of Structural Geology, 2019, 119, 50-60.	2.3	15
76	Deciphering variable mantle sources and hydrous inputs to arc magmas in Kamchatka. Earth and Planetary Science Letters, 2021, 562, 116848.	4.4	13
77	Oxygen isotope heterogeneity of the mantle beneath the Canary Islands: a discussion of the paper of Gurenko et al Contributions To Mineralogy and Petrology, 2012, 164, 177-183.	3.1	12
78	Project VoiLA: Volatile Recycling in the Lesser Antilles. Eos, 2019, 100, .	0.1	11
79	Upper Plate Stress Controls the Distribution of Mariana Arc Volcanoes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017391.	3.4	9
80	Academic authors' perceptions of the instructional design and development process for distance education: A case study. Distance Education, 1998, 19, 124-141.	3.9	6
81	Internal structure and emplacement mechanism of composite plutons: evidence from Mt Kinabalu, Borneo. Journal of the Geological Society, 2017, 174, 180-191.	2.1	6
82	Multi-isotope evidence of population aggregation in the Natufian and scant migration during the early Neolithic of the Southern Levant. Scientific Reports, 2021, 11, 11857.	3.3	6
83	Generation of the Mt Kinabalu Granite by Crustal Contamination of Intraplate Magma Modelled by Equilibrated Major Element Assimilation with Fractional Crystallization (EME-AFC). Journal of Petrology, 2019, 60, 1461-1487.	2.8	5
84	Identifying the ingredients of hydrous arc magmas: insights from Mt Lamington, Papua New Guinea. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180018.	3.4	4
85	Multi-isotopic study of diet and mobility in the northeastern Nile Delta. Archaeological and Anthropological Sciences, 2021, 13, 1.	1.8	4
86	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.	1.1	4
87	Convergence-aligned foreland magmatism in the Arabia–Anatolia Collision: geochronological evidence from the KaracadaÄŸ Volcanic Complex, south-east Turkey. Turkish Journal of Earth Sciences, 2019, 28, 719-733.	1.0	2
88	Jordanian migration and mobility in the Middle Bronze Age (ca. 2100–1550 BCE) at Pella. International Journal of Osteoarchaeology, 0, , .	1.2	2
89	Letter to the editor: Response to Oxenham and Matsumura. American Journal of Physical Anthropology, 2016, 159, 352-354.	2.1	0
90	JON PAUL DAVIDSON (1959–2016). Mineralogical Magazine, 2018, 82, 241-241.	1.4	0