

Andrew C Kerr

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/272350/andrew-c-kerr-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

5,391
citations

38
h-index

72
g-index

114
ext. papers

5,887
ext. citations

3.6
avg, IF

5.6
L-index

#	Paper	IF	Citations
106	Mg-Ba-Sr-Nd isotopic evidence for a mlange origin of early Paleozoic arc magmatism. <i>Earth and Planetary Science Letters</i> , 2022 , 577, 117263	5.3	2
105	Contribution of continental subduction to very light B isotope signatures in post-collisional magmas: Evidence from southern Tibetan ultrapotassic rocks. <i>Earth and Planetary Science Letters</i> , 2022 , 584, 117508	5.3	0
104	The Fuchuan Ophiolite in South China: Evidence for Modern-Style Plate Tectonics During Rodinia Breakup. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2021GC010137	3.6	
103	Northeast- or southwest-dipping subduction in the Cretaceous Caribbean gateway?. <i>Lithos</i> , 2021 , 386-387, 105998	2.9	3
102	Nature of the pre-collisional lithospheric mantle in Central Tibet: Insights to Tibetan Plateau uplift. <i>Lithos</i> , 2021 , 388-389, 106076	2.9	2
101	Petrology and geochemistry of volcanic and volcanoclastic rocks from Zhob ophiolite, North-Western Pakistan. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	1
100	Petrogenesis of Siletzia: The world's youngest oceanic plateau. <i>Results in Geochemistry</i> , 2020 , 1, 100004 2		
99	The $\delta^{3}\text{Cr}$ isotope composition of komatiite flows and implications for the composition of the bulk silicate Earth. <i>Chemical Geology</i> , 2020 , 551, 119761	4.2	6
98	Genesis of Manganese Deposits in the Ali Khanzai Block of the Zhob Ophiolite, Pakistan: Inferences from Geochemistry and Mineralogy. <i>Journal of Earth Science (Wuhan, China)</i> , 2020 , 31, 884-895	2.2	5
97	Extensive crustal extraction in Earth's early history inferred from molybdenum isotopes. <i>Nature Geoscience</i> , 2019 , 12, 946-951	18.3	21
96	Nature and Evolution of Crust in Southern Lhasa, Tibet: Transformation From Microcontinent to Juvenile Terrane. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 6452-6474	3.6	23
95	Petrogenesis of plagiogranites in the Muslim Bagh Ophiolite, Pakistan: implications for the generation of Archaean continental crust. <i>Geological Magazine</i> , 2019 , 156, 874-888	2	5
94	Accreted seamounts in North Tianshan, NW China: Implications for the evolution of the Central Asian Orogenic Belt. <i>Journal of Asian Earth Sciences</i> , 2018 , 153, 223-237	2.8	24
93	Evidence for subaerial development of the Caribbean oceanic plateau in the Late Cretaceous and palaeo-environmental implications. <i>Earth and Planetary Science Letters</i> , 2018 , 499, 62-73	5.3	23
92	Geology and geochemistry of metabasalts of Shimoga schist belt, Dharwar Craton: implications for the late Archean basin development. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	2
91	Insights into the evolution of an alkaline magmatic system: An in situ trace element study of clinopyroxenes from the Ditrŭ Alkaline Massif, Romania. <i>Lithos</i> , 2018 , 300-301, 51-71	2.9	14
90	Early Cretaceous (~ 140 Ma) aluminous A-type granites in the Tethyan Himalaya, Tibet: Products of crust-mantle interaction during lithospheric extension. <i>Lithos</i> , 2018 , 300-301, 212-226	2.9	15

89	A proximal record of caldera-forming eruptions: the stratigraphy, eruptive history and collapse of the Palaeogene Arran caldera, western Scotland. <i>Bulletin of Volcanology</i> , 2018 , 80, 1	2.4	2
88	Oceanic mafic magmatism in the Siletz terrane, NW North America: Fragments of an Eocene oceanic plateau?. <i>Lithos</i> , 2017 , 274-275, 291-303	2.9	13
87	A mantle plume origin for the Palaeoproterozoic Circum-Superior Large Igneous Province. <i>Precambrian Research</i> , 2017 , 294, 189-213	3.9	31
86	Petrography and geochemistry of Archaean greywackes from northern part of the Dharwar-Shimoga greenstone belt, western Dharwar craton: Implications for nature of provenance. <i>Journal of the Geological Society of India</i> , 2017 , 89, 547-553	1.3	3
85	Nickel isotopic composition of the mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 199, 196-209	5.5	27
84	Petrogenesis of Middle Triassic volcanoclastic rocks from Balochistan, Pakistan: Implications for the break-up of Gondwanaland. <i>Journal of Earth Science (Wuhan, China)</i> , 2017 , 28, 218-228	2.2	3
83	Paleocene (c. 62 Ma) Leucogranites in Southern Lhasa, Tibet: Products of Syn-collisional Crustal Anatexis during Slab Roll-back?. <i>Journal of Petrology</i> , 2017 , 58, 2089-2114	3.9	41
82	Petrogenesis and tectonomagmatic significance of Eocene mafic intrusions from the Neotethyan suture zone in the Muslim Bagh-Khanozai region, Pakistan. <i>Journal of the Geological Society</i> , 2016 , 173, 518-530	2.7	6
81	Did mantle plume magmatism help trigger the Great Oxidation Event?. <i>Lithos</i> , 2016 , 246-247, 128-133	2.9	12
80	A re-appraisal of the petrogenesis and tectonic setting of the Ordovician Fishguard Volcanic Group, SW Wales. <i>Geological Magazine</i> , 2016 , 153, 410-425	2	4
79	The composition of mantle plumes and the deep Earth. <i>Earth and Planetary Science Letters</i> , 2016 , 444, 13-25	5.3	15
78	Sulphide Sinking in Magma Conduits: Evidence from Mafic-Ultramafic Plugs on Rum and the Wider North Atlantic Igneous Province. <i>Journal of Petrology</i> , 2016 , 57, 383-416	3.9	11
77	Oxygen isotopes and volatile contents of the Gorgona komatiites, Colombia: A confirmation of the deep mantle origin of H ₂ O. <i>Earth and Planetary Science Letters</i> , 2016 , 454, 154-165	5.3	15
76	Petrology and geochemistry of mafic dykes from the Muslim Bagh Ophiolite (Pakistan): implications for petrogenesis and emplacement. <i>Turkish Journal of Earth Sciences</i> , 2015 , 24, 165-178	1.5	3
75	Platinum-group element signatures in the North Atlantic Igneous Province: Implications for mantle controls on metal budgets during continental breakup. <i>Lithos</i> , 2015 , 233, 89-110	2.9	20
74	The Early Proterozoic Matachewan Large Igneous Province: Geochemistry, Petrogenesis, and Implications for Earth Evolution. <i>Journal of Petrology</i> , 2015 , 56, 1459-1494	3.9	28
73	Geochemistry and petrogenesis of Oligocene volcanoclastic rocks from the Chagai arc: implications for the emplacement of porphyry copper deposits. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 8655-8667	1.8	6
72	Oceanic Plateaus 2014 , 631-667		37

71	Vestiges of the proto-Caribbean seaway: Origin of the San Souci Volcanic Group, Trinidad. <i>Tectonophysics</i> , 2014 , 626, 170-185	3.1	7
70	The geochemistry and petrogenesis of the Paleoproterozoic du Chef dyke swarm, Québec, Canada. <i>Precambrian Research</i> , 2014 , 250, 151-166	3.9	12
69	Supra-subduction zone tectonic setting of the Muslim Bagh Ophiolite, northwestern Pakistan: Insights from geochemistry and petrology. <i>Lithos</i> , 2014 , 202-203, 190-206	2.9	32
68	Enriched lithospheric mantle keel below the Scottish margin of the North Atlantic Craton: Evidence from the Palaeoproterozoic Scourie Dyke Swarm and mantle xenoliths. <i>Precambrian Research</i> , 2014 , 250, 97-126	3.9	35
67	The northern and southern sections of the western ca. 1880 Ma Circum-Superior Large Igneous Province, North America: The Pickle Crow dyke connection?. <i>Lithos</i> , 2013 , 174, 217-235	2.9	24
66	The Caribbean-Colombian Cretaceous Igneous Province: The Internal Anatomy of an Oceanic Plateau. <i>Geophysical Monograph Series</i> , 2013 , 123-144	1.1	36
65	The geochemistry and petrogenesis of the Blue Draw Metagabbro. <i>Lithos</i> , 2013 , 174, 271-290	2.9	2
64	Geochemical components in a Cretaceous island arc: The Th/La[(Ce/Ce*)Nd diagram and implications for subduction initiation in the inter-American region. <i>Lithos</i> , 2013 , 162-163, 57-69	2.9	44
63	The Albian-Turonian Island Arc Rocks of Tobago, West Indies: Geochemistry, Petrogenesis, and Caribbean Plate Tectonics. <i>Journal of Petrology</i> , 2013 , 54, 1607-1639	3.9	17
62	Examining the case for the use of the Tertiary as a formal period or informal unit. <i>Proceedings of the Geologists Association</i> , 2012 , 123, 390-393	1.1	4
61	Iron isotopes in ancient and modern komatiites: Evidence in support of an oxidised mantle from Archean to present. <i>Earth and Planetary Science Letters</i> , 2012 , 321-322, 198-207	5.3	39
60	Phanerozoic volcanism 2012 , 40-74		1
59	Petrogenesis of High-MgO Lavas of the Lower Mull Plateau Group, Scotland: Insights from Melt Inclusions. <i>Journal of Petrology</i> , 2012 , 53, 1867-1886	3.9	10
58	Age and Petrogenesis of the Lower Cretaceous North Coast Schist of Tobago, a Fragment of the Proto-Greater Antilles Inter-American Arc System. <i>Journal of Geology</i> , 2012 , 120, 367-384	2	12
57	Geochemistry of rare high-Nb basalt lavas: Are they derived from a mantle wedge metasomatised by slab melts?. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 5049-5072	5.5	77
56	Origin of the Aves Ridge and Dutch-Venezuelan Antilles: interaction of the Cretaceous 'Great Arc' and Caribbean-Colombian Oceanic Plateau?. <i>Journal of the Geological Society</i> , 2011 , 168, 333-348	2.7	44
55	Stratigraphy of the Anthropocene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 1036-55	3	133
54	Composition and temperature of komatiite melts from Gorgona Island, Colombia, constrained from olivine-hosted melt inclusions. <i>Geology</i> , 2010 , 38, 1003-1006	5	34

53	Eruption of basaltic magma at Tor Zawar, Balochistan, Pakistan on 27 January 2010: geochemical and petrological constraints on petrogenesis. <i>Mineralogical Magazine</i> , 2010 , 74, 1027-1036	1.7	2
52	Geochemistry of Compositionally Distinct Late Cretaceous Back-Arc Basin Lavas: Implications for the Tectonomagmatic Evolution of the Caribbean Plate. <i>Journal of Geology</i> , 2010 , 118, 655-676	2	28
51	Geochronology, geochemistry and petrogenesis of rhyodacite lavas in eastern Jamaica: A new adakite subgroup analogous to early Archaean continental crust?. <i>Chemical Geology</i> , 2010 , 276, 344-359	4.2	64
50	Thermochronology and tectonics of the Leeward Antilles: Evolution of the southern Caribbean Plate boundary zone. <i>Tectonics</i> , 2010 , 29, n/a-n/a	4.3	31
49	Do Cenozoic analogues support a plate tectonic origin for Earth's earliest continental crust?. <i>Geology</i> , 2010 , 38, 495-498	5	45
48	Late Cretaceous alkaline sills of the south Tethyan suture zone, Pakistan: Initial melts of the RUnion hotspot?. <i>Lithos</i> , 2010 , 117, 161-171	2.9	37
47	Origin of the volcanic complexes of La DÑirade, Lesser Antilles: Implications for tectonic reconstruction of the Late Jurassic to Cretaceous Pacific-proto Caribbean margin. <i>Lithos</i> , 2010 , 120, 407-420	2.9	27
46	Mantle plume or slab window?: Physical and geochemical constraints on the origin of the Caribbean oceanic plateau. <i>Earth-Science Reviews</i> , 2010 , 98, 283-293	10.2	78
45	Geochemistry and tectonomagmatic significance of Lower Cretaceous island arc lavas from the Devils Racecourse Formation, eastern Jamaica. <i>Geological Society Special Publication</i> , 2009 , 328, 339-360	1.7	13
44	Rethinking the origins of the red chert at La DÑirade, French West Indies. <i>Geological Society Special Publication</i> , 2009 , 328, 457-467	1.7	4
43	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	1.7	18
42	Geochemistry and petrogenesis of Cretaceous oceanic plateau lavas in eastern Jamaica. <i>Lithos</i> , 2008 , 101, 323-343	2.9	58
41	Evaluation of the effects of alteration and leaching on Sm-Nd and Lu-Hf systematics in submarine mafic rocks. <i>Lithos</i> , 2008 , 104, 164-176	2.9	23
40	Are we now living in the Anthropocene. <i>GSA Today</i> , 2008 , 18, 4	2.8	335
39	Oceanic plateaus: Problematic plumes, potential paradigms. <i>Chemical Geology</i> , 2007 , 241, 332-353	4.2	77
38	Formation and tectonic evolution of the Cretaceous-Jurassic Muslim Bagh ophiolitic complex, Pakistan: Implications for the composite tectonic setting of ophiolites. <i>Journal of Asian Earth Sciences</i> , 2007 , 31, 112-127	2.8	31
37	The Great Plume Debate: Testing the plume theory. <i>Chemical Geology</i> , 2007 , 241, 149-152	4.2	41
36	Classification of Altered Volcanic Island Arc Rocks using Immobile Trace Elements: Development of the Th-Ta Discrimination Diagram. <i>Journal of Petrology</i> , 2007 , 48, 2341-2357	3.9	569

35	. <i>Science</i> ,		33-3
34	The Quebradagrande Complex: A Lower Cretaceous ensialic marginal basin in the Central Cordillera of the Colombian Andes. <i>Journal of South American Earth Sciences</i> , 2006 , 21, 423-436	2	59
33	Tectonic evolution of the Caribbean and northwestern South America: The case for accretion of two Late Cretaceous oceanic plateaus. <i>Geology</i> , 2005 , 33, 269	5	127
32	Mantle plumes: physical processes, chemical signatures, biological effects?. <i>Lithos</i> , 2005 , 79, vii-x	2.9	5
31	La Isla de Gorgona, Colombia: A petrological enigma?. <i>Lithos</i> , 2005 , 84, 77-101	2.9	47
30	Mafic Pegmatites Intruding Oceanic Plateau Gabbros and Ultramafic Cumulates from Bolivar, Colombia: Evidence for a 'Wet' Mantle Plume?. <i>Journal of Petrology</i> , 2004 , 45, 1877-1906	3.9	27
29	Elemental, Hf/Nd isotopic and geochronological constraints on an island arc sequence associated with the Cretaceous Caribbean plateau: Bonaire, Dutch Antilles. <i>Lithos</i> , 2004 , 74, 91-116	2.9	41
28	Hf/Nd isotope constraints on the origin of the Cretaceous Caribbean plateau and its relationship to the Galapagos plume. <i>Earth and Planetary Science Letters</i> , 2004 , 217, 59-75	5.3	46
27	Hafnium isotopic variations in volcanic rocks from the Caribbean Large Igneous Province and Galapagos hot spot tracks. <i>Geochemistry, Geophysics, Geosystems</i> , 2003 , 4,	3.6	49
26	The nature and provenance of accreted oceanic terranes in western Ecuador: geochemical and tectonic constraints. <i>Journal of the Geological Society</i> , 2002 , 159, 577-594	2.7	101
25	Pervasive mantle plume head heterogeneity: Evidence from the late Cretaceous Caribbean-Colombian oceanic plateau. <i>Journal of Geophysical Research</i> , 2002 , 107, ECV 2-1-ECV 2-13		62
24	Large volume recycling of oceanic lithosphere over short time scales: geochemical constraints from the Caribbean Large Igneous Province. <i>Earth and Planetary Science Letters</i> , 2000 , 174, 247-263	5.3	119
23	LIP Reading: Recognizing Oceanic Plateaux in the Geological Record. <i>Journal of Petrology</i> , 2000 , 41, 1041-1056	5.1056	107
22	Geochemical Evolution of the Tertiary Mull Volcano, Western Scotland. <i>Journal of Petrology</i> , 1999 , 40, 873-908	3.9	54
21	A new plate tectonic model of the Caribbean: Implications from a geochemical reconnaissance of Cuban Mesozoic volcanic rocks. <i>Bulletin of the Geological Society of America</i> , 1999 , 111, 1581	3.9	102
20	Petrogenesis of picrites from the Caribbean Plateau and the North Atlantic magmatic province. <i>Lithos</i> , 1999 , 49, 1-21	2.9	47
19	Implications of 187Os isotopic heterogeneities in a mantle plume: evidence from Gorgona Island and Curaçao. <i>Geochimica Et Cosmochimica Acta</i> , 1999 , 63, 713-728	5.5	82
18	The internal structure of oceanic plateaus: inferences from obducted Cretaceous terranes in western Colombia and the Caribbean. <i>Tectonophysics</i> , 1998 , 292, 173-188	3.1	77

17	Oceanic plateau formation: a cause of mass extinction and black shale deposition around the Cenomanian-Turonian boundary?. <i>Journal of the Geological Society</i> , 1998 , 155, 619-626	2.7	208
16	Mineral chemistry of the Mull-Morvern Tertiary lava succession, western Scotland. <i>Mineralogical Magazine</i> , 1998 , 62, 295-312	1.7	11
15	On the nature of the parental magma of the Palaeogene Staffa Magma sub-type, Isle of Mull, Scotland. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 1998 , 89, 87-93		3
14	Emplacement of Hebridean Tertiary flood basalts: evidence from an inflated pahoehoe lava flow on Mull, Scotland. <i>Journal of the Geological Society</i> , 1998 , 155, 599-607	2.7	15
13	The geochemistry and significance of plugs intruding the Tertiary Mull-Morvern lava succession, western Scotland. <i>Scottish Journal of Geology</i> , 1997 , 33, 157-167	1.4	9
12	Dynamic melting in plume heads: the formation of Gorgona komatiites and basalts. <i>Earth and Planetary Science Letters</i> , 1997 , 146, 289-301	5.3	145
11	Asteroid impact and mass extinction at the K-T boundary: an extinct red herring. <i>Geology Today</i> , 1997 , 13, 157-159	0.4	3
10	The geochemistry and tectonic setting of late Cretaceous Caribbean and Colombian volcanism. <i>Journal of South American Earth Sciences</i> , 1996 , 9, 111-120	2	59
9	Red tuffs in the Palaeocene lava successions of the Inner Hebrides. <i>Scottish Journal of Geology</i> , 1996 , 32, 83-89	1.4	19
8	Crustal assimilation during turbulent magma ascent (ATA); new isotopic evidence from the Mull Tertiary lava succession, N. W. Scotland. <i>Contributions To Mineralogy and Petrology</i> , 1995 , 119, 142-154	3.5	73
7	Depleted mantle-plume geochemical signatures: No paradox for plume theories. <i>Geology</i> , 1995 , 23, 843-5		104
6	The geochemistry of the Mull-Morvern Tertiary lava succession, NW Scotland: an assessment of mantle sources during plume-related volcanism. <i>Chemical Geology</i> , 1995 , 122, 43-58	4.2	41
5	The melting processes and composition of the North Atlantic (Iceland) plume: geochemical evidence from the Early Tertiary basalts. <i>Journal of the Geological Society</i> , 1995 , 152, 975-978	2.7	17
4	High-pressure fractionation in rift-related basaltic magmatism: Faeroe plateau basalts. <i>Geology</i> , 1995 , 23, 671	5	2
3	Lithospheric thinning during the evolution of continental large igneous provinces: A case study from the North Atlantic Tertiary province. <i>Geology</i> , 1994 , 22, 1027	5	67
2	Current research in the British Tertiary Igneous Province. <i>Journal of the Geological Society</i> , 1993 , 150, 1193-1194	2.7	3
1	Geochemical Evolution of the Tertiary Mull Volcano, Western Scotland		5