

Kevin Burke

List of Publications by Year in descending order

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79
papers

7,629
citations

71102

41
h-index

79698

73
g-index

80
all docs

80
docs citations

80
times ranked

3886
citing authors

#	ARTICLE	IF	CITATIONS
1	Plume-Generated Triple Junctions: Key Indicators in Applying Plate Tectonics to Old Rocks. <i>Journal of Geology</i> , 1973, 81, 406-433.	1.4	863
2	Relative timing of rifting and volcanism on Earth and its tectonic implications. <i>Geophysical Research Letters</i> , 1978, 5, 419-421.	4.0	460
3	Development of Pull-Apart Basins. <i>Journal of Geology</i> , 1983, 91, 529-554.	1.4	458
4	Plume Generation Zones at the margins of Large Low Shear Velocity Provinces on the core-mantle boundary. <i>Earth and Planetary Science Letters</i> , 2008, 265, 49-60.	4.4	422
5	Diamonds sampled by plumes from the core-mantle boundary. <i>Nature</i> , 2010, 466, 352-355.	27.8	399
6	Large igneous provinces generated from the margins of the large low-velocity provinces in the deep mantle. <i>Geophysical Journal International</i> , 2006, 167, 1447-1460.	2.4	280
7	Hot Spots and Continental Break-up: Implications for Collisional Orogeny. <i>Geology</i> , 1974, 2, 57.	4.4	240
8	Derivation of Large Igneous Provinces of the past 200 million years from long-term heterogeneities in the deep mantle. <i>Earth and Planetary Science Letters</i> , 2004, 227, 531-538.	4.4	202
9	Relative and Latitudinal Motion of Atlantic Hot Spots. <i>Nature</i> , 1973, 245, 133-137.	27.8	200
10	Deep mantle structure as a reference frame for movements in and on the Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8735-8740.	7.1	200
11	Opening of the Gulf of Guinea and Geological History of the Benue Depression and Niger Delta. <i>Nature: Physical Science</i> , 1971, 233, 51-55.	0.8	186
12	World distribution of sutures – the sites of former oceans. <i>Tectonophysics</i> , 1977, 40, 69-99.	2.2	175
13	Was the Laramide orogeny related to subduction of an oceanic plateau?. <i>Nature</i> , 1981, 289, 276-278.	27.8	164
14	Tectonic escape in the evolution of the continental crust. <i>Geodynamic Series</i> , 1986, , 41-53.	0.1	164
15	Neotectonics of the Caribbean. <i>Reviews of Geophysics</i> , 1984, 22, 309-362.	23.0	160
16	Buoyant ocean floor and the evolution of the Caribbean. <i>Journal of Geophysical Research</i> , 1978, 83, 3949-3954.	3.3	156
17	Were Archean continental geothermal gradients much steeper than those of today?. <i>Nature</i> , 1978, 272, 240-241.	27.8	139
18	New way to map old sutures using deformed alkaline rocks and carbonatites. <i>Geology</i> , 2003, 31, 391.	4.4	139

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19	Origin of the Cameroon Line of Volcano-Capped Swells. <i>Journal of Geology</i> , 2001, 109, 349-362.	1.4	130
20	Plate Tectonics, the Wilson Cycle, and Mantle Plumes: Geodynamics from the Top. <i>Annual Review of Earth and Planetary Sciences</i> , 2011, 39, 1-29.	11.0	128
21	Caribbean tectonics and relative plate motions. <i>Memoir of the Geological Society of America</i> , 1984, , 31-64.	0.5	117
22	Development of graben associated with the initial ruptures of the atlantic ocean. <i>Tectonophysics</i> , 1976, 36, 93-112.	2.2	110
23	Archean Foreland Basin tectonics in the Witwatersrand, South Africa. <i>Tectonics</i> , 1986, 5, 439-456.	2.8	109
24	Gulf of Mexico tectonic history: Hotspot tracks, crustal boundaries, and early salt distribution. <i>AAPG Bulletin</i> , 2005, 89, 311-328.	1.5	109
25	Neotectonics of Hispaniola: plate motion, sedimentation, and seismicity at a restraining bend. <i>Earth and Planetary Science Letters</i> , 1984, 70, 311-324.	4.4	97
26	Upper mantle structure of southern Africa from Rayleigh wave tomography. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	95
27	The chad basin: An active intra-continental basin. <i>Tectonophysics</i> , 1976, 36, 197-206.	2.2	89
28	Neogene Structures in Jamaica and the Tectonic Style of the Northern Caribbean Plate Boundary Zone. <i>Journal of Geology</i> , 1980, 88, 375-386.	1.4	88
29	African lithospheric structure, volcanism, and topography. <i>Earth and Planetary Science Letters</i> , 1989, 96, 8-14.	4.4	88
30	The African Erosion Surface: A Continental-Scale Synthesis of Geomorphology, Tectonics, and Environmental Change over the Past 180 Million Years. , 2008, , 1-66.		88
31	Precambrian palaeomagnetic results compatible with contemporary operation of the Wilson cycle. <i>Tectonophysics</i> , 1976, 33, 287-299.	2.2	85
32	Is the Ventersdorp Rift System of Southern Africa related to a continental collision between the Kaapvaal and Zimbabwe Cratons at 2.64 Ga ago?. <i>Tectonophysics</i> , 1985, 115, 1-24.	2.2	72
33	Global sea-level changes and the thermal structure of the earth. <i>Earth and Planetary Science Letters</i> , 1978, 41, 341-346.	4.4	70
34	Two Types of Mountain Building. <i>Nature</i> , 1972, 239, 448-449.	27.8	59
35	Seismic Areas of the Guinea Coast where Atlantic Fracture Zones reach Africa. <i>Nature</i> , 1969, 222, 655-657.	27.8	58
36	Atlantic evaporites formed by evaporation of water spilled from Pacific, Tethyan, and Southern oceans. <i>Geology</i> , 1975, 3, 613.	4.4	57

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37	Transverse intra-arc rifting: Palaeogene Wagwater Belt, Jamaica. <i>Marine and Petroleum Geology</i> , 1990, 7, 410-427.	3.3	50
38	Cenozoic rift formation in the northern Caribbean. <i>Geology</i> , 1984, 12, 732.	4.4	48
39	A Bouguer gravity map of Nigeria. <i>Tectonophysics</i> , 1973, 16, 103-115.	2.2	46
40	The Pongola structure of southeastern Africa: The world's oldest preserved rift?. <i>Journal of Geodynamics</i> , 1985, 2, 35-49.	1.6	46
41	Stratigraphy and Radiocarbon Chronology of a Subaerially Exposed Holocene Coral Reef, Dominican Republic. <i>Journal of Geology</i> , 1985, 93, 311-332.	1.4	45
42	Trans-African drainage system of the Sahara: Was it the Nile?. <i>Geology</i> , 1989, 17, 743.	4.4	44
43	Subaerially exposed Holocene coral reef, Enriquillo Valley, Dominican Republic. <i>Bulletin of the Geological Society of America</i> , 1984, 95, 1084.	3.3	43
44	African hotspots and their relation to the underlying mantle. <i>Geology</i> , 1979, 7, 263.	4.4	41
45	Ten metre global sea-level change associated with South Atlantic Aptian salt deposition. <i>Marine Geology</i> , 1988, 83, 309-312.	2.1	39
46	Fission track evidence for the source of accreted sandstones, Barbados. <i>Tectonics</i> , 1986, 5, 457-468.	2.8	38
47	Isotopic ages for alkaline igneous rocks, including a 26 Ma ignimbrite, from the Peshawar plain of northern Pakistan and their tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2013, 62, 414-424.	2.3	37
48	The Geology of the Islands of South Connemara. <i>Geological Magazine</i> , 1955, 92, 487-498.	1.5	34
49	Review of Caribbean neotectonics. , 0, , 307-338.		34
50	Surface deformation in Houston, Texas using GPS. <i>Tectonophysics</i> , 2010, 490, 47-54.	2.2	33
51	Four-phase tectonostratigraphic development of the southern Caribbean. <i>Marine and Petroleum Geology</i> , 1989, 6, 9-21.	3.3	29
52	The Yallahs Basin: A sedimentary basin southeast of Kingston, Jamaica. <i>Marine Geology</i> , 1967, 5, 45-60.	2.1	28
53	Geoinformatic approach to global nepheline syenite and carbonatite distribution: Testing a Wilson cycle model. , 2006, 2, 53.		28
54	Pleistocene and Holocene geology of the island shelf near Kingston, Jamaica. <i>Marine Geology</i> , 1966, 4, 207-224.	2.1	25

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55	Age of the Jamaican Granodiorite. Geological Magazine, 1963, 100, 524-532.	1.5	22
56	Extensional tectonics and mid-Paleozoic massive sulfide occurrences in Europe. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1980, 69, 349-360.	1.3	22
57	Lithospheric stress patterns: A global view. Eos, 1993, 74, 609.	0.1	20
58	Plumes and Concentric Plume Traces of the Eurasian Plate. Nature: Physical Science, 1973, 241, 128-129.	0.8	19
59	Grenville Province and Monteregian carbonatite and nepheline syenite distribution related to rifting, collision, and plume passage. Geology, 2008, 36, 983.	4.4	18
60	The nature and location of the suture zone in the Rokelide orogen, Sierra Leone: Geochemical evidence. Journal of African Earth Sciences, 2006, 46, 439-454.	2.0	17
61	Landscape evolution in Africa during the Cenozoic and Quaternary—the legacy and limitations of Lester C. King. Canadian Journal of Earth Sciences, 2016, 53, 1089-1102.	1.3	17
62	Dissolved Gases in East African Lakes. Nature, 1963, 198, 568-569.	27.8	15
63	An Outline of the Structure of the Galway Granite. Geological Magazine, 1957, 94, 452-464.	1.5	14
64	Isotopic evidence for a lithospheric origin of alkaline rocks and carbonatites: an example from southern Africa. Canadian Journal of Earth Sciences, 2016, 53, 1216-1226.	1.3	13
65	Evolution of Continental Rift Systems in the Light of Plate Tectonics. , 1978, , 1-9.		13
66	Alkaline rocks and carbonatites of northwestern Russia and northern Norway: Linked Wilson cycle records extending over two billion years. Tectonics, 2007, 26, .	2.8	12
67	Collisional plateaus. Tectonophysics, 1985, 119, 137-151.	2.2	11
68	Recent Faulting near the Volta Dam. Nature, 1971, 231, 439-440.	27.8	10
69	The Chad Basin: An Active Intra-Continental Basin. Developments in Geotectonics, 1976, 12, 197-206.	0.3	10
70	Plume—plate interaction. Canadian Journal of Earth Sciences, 2014, 51, 208-221.	1.3	10
71	Saharan Glaciation Dated in North America. Nature, 1973, 241, 267-268.	27.8	8
72	Why is the areoid like the residual geoid?. Geophysical Research Letters, 2012, 39, .	4.0	6

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73	Pangea breakup: Mexico, Gulf of Mexico, and Central Atlantic Ocean. , 2006, , .		5
74	Age Relations of Connemara Migmatites and Galway Granite. Geological Magazine, 1963, 100, 470-471.	1.5	4
75	Comments on: Why do i not accept plate tectonics?. Eos, 1979, 60, 207-211.	0.1	4
76	Review of plate tectonics. Reviews of Geophysics, 1979, 17, 1081-1090.	23.0	4
77	Large igneous province locations and their connections with the coreâ€“mantle boundary. , 2015, , 30-46.		4
78	Development of Graben Associated with the Initial Ruptures of the Atlantic Ocean. Developments in Geotectonics, 1976, , 93-112.	0.3	3
79	Dissolved Gases in East African Lakes. Nature, 1963, 200, 1308-1308.	27.8	0