Kevin Burke

List of Publications by Year
in descending order

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	Landscape evolution in Africa during the Cenozoic and Quaternaryâ€"the legacy and limitations of Lester C. King. Canadian Journal of Earth Sciences, 2016, 53, 1089-1102.	1.3	17
2	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
3	Large igneous province locations and their connections with the coreâ€"mantle boundary. , 2015, , 30-46.		4
4	Plumeâ€"plate interaction. Canadian Journal of Earth Sciences, 2014, 51, 208-221.	1.3	10
5	Deep mantle structure as a reference frame for movements in and on the Earth. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8735-8740.	7.1	200
6	Isotopic ages for alkaline igneous rocks, including a 26 Ma ignimbrite, from the Peshawar plain of northern Pakistan and their tectonic implications. Journal of Asian Earth Sciences, 2013, 62, 414-424.	2.3	37
7	Why is the areoid like the residual geoid?. Geophysical Research Letters, 2012, 39, .	4.0	6
8	Plate Tectonics, the Wilson Cycle, and Mantle Plumes: Geodynamics from the Top. Annual Review of Earth and Planetary Sciences, 2011, 39, 1-29.	11.0	128
9	Diamonds sampled by plumes from the coreâ€"mantle boundary. Nature, 2010, 466, 352-355.	27.8	399
10	Surface deformation in Houston, Texas using GPS. Tectonophysics, 2010, 490, 47-54.	2.2	33
11	Plume Generation Zones at the margins of Large Low Shear Velocity Provinces on the coreâ€"mantle boundary. Earth and Planetary Science Letters, 2008, 265, 49-60.	4.4	422
12	Grenville Province and Monteregian carbonatite and nepheline syenite distribution related to rifting, collision, and plume passage. Geology, 2008, 36, 983.	4.4	18
13	The African Erosion Surface: A Continental-Scale Synthesis of Geomorphology, Tectonics, and Environmental Change over the Past 180 Million Years. , 2008, , 1-66.		88
14	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
15	Upper mantle structure of southern Africa from Rayleigh wave tomography. Journal of Geophysical Research, 2006, 111, .	3.3	95
16	Large igneous provinces generated from the margins of the large low-velocity provinces in the deep mantle. Geophysical Journal International, 2006, 167, 1447-1460.	2.4	280
17	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
18	Geoinformatic approach to global nepheline syenite and carbonatite distribution: Testing a Wilson cycle model. , 2006, 2, 53.		28

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19	Pangea breakup: Mexico, Gulf of Mexico, and Central Atlantic Ocean. , 2006, , .		5
20	Gulf of Mexico tectonic history: Hotspot tracks, crustal boundaries, and early salt distribution. AAPG Bulletin, 2005, 89, 311-328.	1.5	109
21	Derivation of Large Igneous Provinces of the past 200 million years from long-term heterogeneities in the deep mantle. Earth and Planetary Science Letters, 2004, 227, 531-538.	4.4	202
22	New way to map old sutures using deformed alkaline rocks and carbonatites. Geology, 2003, 31, 391.	4.4	139
23	Origin of the Cameroon Line of Volcanoâ€Capped Swells. Journal of Geology, 2001, 109, 349-362.	1.4	130
24	Lithospheric stress patterns: A global view. Eos, 1993, 74, 609.	0.1	20
25	Transverse intra-arc rifting: Palaeogene Wagwater Belt, Jamaica. Marine and Petroleum Geology, 1990, 7, 410-427.	3.3	50
26	Trans-African drainage system of the Sahara: Was it the Nile?. Geology, 1989, 17, 743.	4.4	44
27	African lithospheric structure, volcanism, and topography. Earth and Planetary Science Letters, 1989, 96, 8-14.	4.4	88
28	Four-phase tectonostratigraphic development of the southern Caribbean. Marine and Petroleum Geology, 1989, 6, 9-21.	3.3	29
29	Ten metre global sea-level change associated with South Atlantic Aptian salt deposition. Marine Geology, 1988, 83, 309-312.	2.1	39
30	Archean Foreland Basin tectonics in the Witwatersrand, South Africa. Tectonics, 1986, 5, 439-456.	2.8	109
31	Fission track evidence for the source of accreted sandstones, Barbados. Tectonics, 1986, 5, 457-468.	2.8	38
32	Tectonic escape in the evolution of the continental crust. Geodynamic Series, 1986, , 41-53.	0.1	164
33	Stratigraphy and Radiocarbon Chronology of a Subaerially Exposed Holocene Coral Reef, Dominican Republic. Journal of Geology, 1985, 93, 311-332.	1.4	45
34	The Pongola structure of southeastern Africa: The world's oldest preserved rift?. Journal of Geodynamics, 1985, 2, 35-49.	1.6	46
35	Collisional plateaus. Tectonophysics, 1985, 119, 137-151.	2.2	11
36	Is the Ventersdorp Rift System of Southern Africa related to a continental collision between the Kaapvaal and Zimbabwe Cratons at 2.64 Ga ago?. Tectonophysics, 1985, 115, 1-24.	2.2	72

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37	Subaerially exposed Holocene coral reef, Enriquillo Valley, Dominican Republic. Bulletin of the Geological Society of America, 1984, 95, 1084.	3.3	43
38	Caribbean tectonics and relative plate motions. Memoir of the Geological Society of America, 1984, , 31-64.	0.5	117
39	Neotectonics of Hispaniola: plate motion, sedimentation, and seismicity at a restraining bend. Earth and Planetary Science Letters, 1984, 70, 311-324.	4.4	97
40	Neotectonics of the Caribbean. Reviews of Geophysics, 1984, 22, 309-362.	23.0	160
41	Cenozoic rift formation in the northern Caribbean. Geology, 1984, 12, 732.	4.4	48
42	Development of Pull-Apart Basins. Journal of Geology, 1983, 91, 529-554.	1.4	458
43	Was the Laramide orogeny related to subduction of an oceanic plateau?. Nature, 1981, 289, 276-278.	27.8	164
44	Neogene Structures in Jamaica and the Tectonic Style of the Northern Caribbean Plate Boundary Zone. Journal of Geology, 1980, 88, 375-386.	1.4	88
45	Extensional tectonics and mid-Paleozoic massive sulfide occurrences in Europe. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1980, 69, 349-360.	1.3	22
46	African hotspots and their relation to the underlying mantle. Geology, 1979, 7, 263.	4.4	41
47	Comments on: Why do i not accept plate tectonics?. Eos, 1979, 60, 207-211.	0.1	4
48	Review of plate tectonics. Reviews of Geophysics, 1979, 17, 1081-1090.	23.0	4
49	Were Archean continental geothermal gradients much steeper than those of today?. Nature, 1978, 272, 240-241.	27.8	139
50	Buoyant ocean floor and the evolution of the Caribbean. Journal of Geophysical Research, 1978, 83, 3949-3954.	3.3	156
51	Relative timing of rifting and volcanism on Earth and its tectonic implications. Geophysical Research Letters, 1978, 5, 419-421.	4.0	460
52	Global sea-level changes and the thermal structure of the earth. Earth and Planetary Science Letters, 1978, 41, 341-346.	4.4	70
53	Evolution of Continental Rift Systems in the Light of Plate Tectonics. , 1978, , 1-9.		13
54	World distribution of sutures â€" the sites of former oceans. Tectonophysics, 1977, 40, 69-99.	2.2	175

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55	Development of graben associated with the initial ruptures of the atlantic ocean. Tectonophysics, 1976, 36, 93-112.	2.2	110
56	The chad basin: An active intra-continental basin. Tectonophysics, 1976, 36, 197-206.	2.2	89
57	Precambrian palaeomagnetic results compatible with contemporary operation of the Wilson cycle. Tectonophysics, 1976, 33, 287-299.	2.2	85
58	The Chad Basin: An Active Intra-Continental Basin. Developments in Geotectonics, 1976, 12, 197-206.	0.3	10
59	Development of Graben Associated with the Initial Ruptures of the Atlantic Ocean. Developments in Geotectonics, 1976, , 93-112.	0.3	3
60	Atlantic evaporites formed by evaporation of water spilled from Pacific, Tethyan, and Southern oceans. Geology, 1975, 3, 613.	4.4	57
61	Hot Spots and Continental Break-up: Implications for Collisional Orogeny. Geology, 1974, 2, 57.	4.4	240
62	Saharan Glaciation Dated in North America. Nature, 1973, 241, 267-268.	27.8	8
63	Relative and Latitudinal Motion of Atlantic Hot Spots. Nature, 1973, 245, 133-137.	27.8	200
64	A Bouguer gravity map of nigeria. Tectonophysics, 1973, 16, 103-115.	2.2	46
65	Plumes and Concentric Plume Traces of the Eurasian Plate. Nature: Physical Science, 1973, 241, 128-129.	0.8	19
66	Plume-Generated Triple Junctions: Key Indicators in Applying Plate Tectonics to Old Rocks. Journal of Geology, 1973, 81, 406-433.	1.4	863
67	Two Types of Mountain Building. Nature, 1972, 239, 448-449.	27.8	59
68	Opening of the Gulf of Guinea and Geological History of the Benue Depression and Niger Delta. Nature: Physical Science, 1971, 233, 51-55.	0.8	186
69	Recent Faulting near the Volta Dam. Nature, 1971, 231, 439-440.	27.8	10
70	Seismic Areas of the Guinea Coast where Atlantic Fracture Zones reach Africa. Nature, 1969, 222, 655-657.	27.8	58
71	The Yallahs Basin: A sedimentary basin southeast of Kingston, Jamaica. Marine Geology, 1967, 5, 45-60.	2.1	28
72	Pleistocene and Holocene geology of the island shelf near Kingston, Jamaica. Marine Geology, 1966, 4, 207-224.	2.1	25

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73	Dissolved Gases in East African Lakes. Nature, 1963, 198, 568-569.	27.8	15
74	Dissolved Gases in East African Lakes. Nature, 1963, 200, 1308-1308.	27.8	0
75	Age Relations of Connemara Migmatites and Galway Granite. Geological Magazine, 1963, 100, 470-471.	1.5	4
76	Age of the Jamaican Granodiorite. Geological Magazine, 1963, 100, 524-532.	1.5	22
77	An Outline of the Structure of the Galway Granite. Geological Magazine, 1957, 94, 452-464.	1.5	14
78	The Geology of the Islands of South Connemara. Geological Magazine, 1955, 92, 487-498.	1.5	34
79	Review of Caribbean neotectonics. , 0, , 307-338.		34