Robert A Duncan

List of Publications by Year
in descending order

56 papers	4,494 citations	117625 34 h-index	182427 51 g-index
56 all docs	56 docs citations	56 times ranked	3451 citing authors

#	Article	IF	Citations
1	Frequency and volumes of ignimbrite eruptions following the Late Neogene initiation of the Central Oregon High Cascades. Journal of Volcanology and Geothermal Research, 2017, 339, 1-22.	2.1	12
2	Uplift, rupture, and rollback of the Farallon slab reflected in volcanic perturbations along the Yellowstone adakite hot spot track. Journal of Geophysical Research: Solid Earth, 2017, 122, 7009-7041.	3.4	7
3	Age of Tertiary volcanic rocks on the West Greenland continental margin: volcanic evolution and event correlation to other parts of the North Atlantic Igneous Province. Geological Magazine, 2016, 153, 487-511.	1.5	49
4	Asthenosphereâ€“lithosphere interactions in Western Saudi Arabia: Inferences from 3He/4He in xenoliths and lava flows from Harrat Hutaymah. Lithos, 2016, 248-251, 339-352.	1.4	29
5	Timing and composition of continental volcanism at Harrat Hutaymah, western Saudi Arabia. Journal of Volcanology and Geothermal Research, 2016, 313, 1-14.	2.1	20
6	Post-K/PB younger 40Arâ€“39Ar ages of the Mandla lavas: Implications for the duration of the Deccan volcanism. Lithos, 2015, 224-225, 214-224.	1.4	51
7	Eocene to Miocene igneous activity in NE Greenland: northward younging of magmatism along the East Greenland margin. Journal of the Geological Society, 2014, 171, 539-553.	2.1	50
8	Timing and composition of volcanic activity at Harrat Lunayyir, western Saudi Arabia. Journal of Volcanology and Geothermal Research, 2013, 260, 103-116.	2.1	43
9	Bimodal volcanism of the High Lava Plains and Northwestern Basin and Range of Oregon: Distribution and tectonic implications of ageâ€progressive rhyolites. Geochemistry, Geophysics, Geosystems, 2013, 14, 2836-2857.	2.5	38
10	The Steens Basalt: Earliest lavas of the Columbia River Basalt Group. , 2013, , .		23
11	Prolonged plume volcanism in the Caribbean Large Igneous Province: New insights from CuraÃ§ao and Haiti. Geochemistry, Geophysics, Geosystems, 2013, 14, 4241-4259.	2.5	41
12	The Influence of Mantle Plumes in Generation of Indian Oceanic Crust. Geophysical Monograph Series, 2013, , 57-89.	0.1	17
13	Stratigraphy and age of the Eocene IgtertivÃ¢ Formation basalts, alkaline pebbles and sediments of the Kap Dalton Group in the graben at Kap Dalton, East Greenland. Bulletin of the Geological Society of Denmark, 2013, 61, 1-18.	1.1	17
14	New⁴⁰Ar/³⁹Ar age progression for the Louisville hot spot trail and implications for inter-hot spot motion. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	65
15	Evolution of shield-building and rejuvenescent volcanism of Mauritius. Journal of Volcanology and Geothermal Research, 2011, 207, 47-66.	2.1	51
16	Glacialâ€“interglacial sediment transport to the Meiji Drift, northwest Pacific Ocean: Evidence for timing of Beringian outwashing. Earth and Planetary Science Letters, 2009, 277, 64-72.	4.4	51
17	Tectonomagmatic events during stretching and basin formation in the Labrador Sea and the Davis Strait: evidence from age and composition of Mesozoic to Palaeogene dyke swarms in West Greenland. Journal of the Geological Society, 2009, 166, 999-1012.	2.1	89
18	The form, distribution and anisotropy of magnetic susceptibility of Jurassic dykes in H.U. Sverdrupfjella, Dronning Maud Land, Antarctica. Implications for dyke swarm emplacement. Journal of Structural Geology, 2008, 30, 1429-1447.	2.3	35

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19	Tracking fluvial response to climate change in the Pacific Northwest: a combined provenance approach using Ar and Nd isotopic systems on fine-grained sediments. Quaternary Science Reviews, 2008, 27, 497-517.	3.0	21
20	Timing and duration of volcanism in the North Atlantic Igneous Province: Implications for geodynamics and links to the Iceland hotspot. Chemical Geology, 2007, 241, 264-281.	3.3	188
21	Paleocene-Eocene Thermal Maximum and the Opening of the Northeast Atlantic. Science, 2007, 316, 587-589.	12.6	269
22	Nonlinear40Ar/39Ar age systematics along the Gilbert Ridge and Tokelau Seamount Trail and the timing of the Hawaii-Emperor Bend. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	27
23	Seamount morphology in the Bowie and Cobb hot spot trails, Gulf of Alaska. Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	29
24	Erosion by rivers and transport pathways in the ocean: A provenance tool using40Ar-39Ar incremental heating on fine-grained sediment. Journal of Geophysical Research, 2006, 111, .	3.3	4
25	Identifying impact events within the lunar cataclysm from 40Arâ€“39Ar ages and compositions of Apollo 16 impact melt rocks. Geochimica Et Cosmochimica Acta, 2006, 70, 6032-6049.	3.9	71
26	Earlyâ€“Middle Jurassic Dolerite Dykes from Western Dronning Maud Land (Antarctica): Identifying Mantle Sources in the Karoo Large Igneous Province. Journal of Petrology, 2005, 46, 1489-1524.	2.8	136
27	Trace element abundances in the Rock Canyon Anticline, Pueblo, Colorado, marine sedimentary section and their relationship to Caribbean plateau construction and oxygen anoxic event 2. Paleoceanography, 2005, 20, n/a-n/a.	3.0	73
28	Implications of a nonlinear40Ar/39Ar age progression along the Louisville seamount trail for models of fixed and moving hot spots. Geochemistry, Geophysics, Geosystems, 2004, 5, .	2.5	107
29	Geochronology of age-progressive volcanism of the Oregon High Lava Plains: Implications for the plume interpretation of Yellowstone. Journal of Geophysical Research, 2004, 109, .	3.3	130
30	Radiometric ages for basement rocks from the Emperor Seamounts, ODP Leg 197. Geochemistry, Geophysics, Geosystems, 2004, 5, .	2.5	108
31	The Emperor Seamounts: Southward Motion of the Hawaiian Hotspot Plume in Earth's Mantle. Science, 2003, 301, 1064-1069.	12.6	375
32	Seismic and seafloor evidence for free gas, gas hydrates, and fluid seeps on the transform margin offshore Cape Mendocino. Journal of Geophysical Research, 2003, 108, .	3.3	28
33	High-resolution40Ar/39Ar dating of the oldest oceanic basement basalts in the western Pacific basin. Geochemistry, Geophysics, Geosystems, 2003, 4, n/a-n/a.	2.5	112
34	Mass wasting, methane venting, and biological communities on the Mendocino transform fault. Geology, 2002, 30, 407.	4.4	21
35	Pervasive mantle plume head heterogeneity: Evidence from the late Cretaceous Caribbean-Colombian oceanic plateau. Journal of Geophysical Research, 2002, 107, ECV 2-1-ECV 2-13.	3.3	79
36	16 m.y. of hotspot and nonhotspot volcanism on the Patton-Murray seamount platform, Gulf of Alaska. Geology, 1997, 25, 511.	4.4	12

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37	Nicoya Peninsula, Costa Rica: A single suite of Caribbean oceanic plateau magmas. Journal of Geophysical Research, 1997, 102, 15507-15520.	3.3	118
38	Geochronology of GalÃ¡pagos seamounts. Journal of Geophysical Research, 1996, 101, 13689-13700.	3.3	58
39	Tahiti: Geochemical evolution of a French Polynesian Volcano. Journal of Geophysical Research, 1994, 99, 24341-24357.	3.3	67
40	Petrology and geochemistry of the GalÃ¡pagos Islands: Portrait of a pathological mantle plume. Journal of Geophysical Research, 1993, 98, 19533-19563.	3.3	346
41	The geology and age of Peter I Oy, Antarctica. Polar Research, 1991, 9, 89-98.	1.6	11
42	Petrology of Peter I Ã˜y (Peter I Island), West Antarctica. Journal of Volcanology and Geothermal Research, 1990, 44, 315-338.	2.1	18
43	Late Pleistocene geomagnetic excursion in Icelandic lavas: confirmation of the Laschamp excursion. Earth and Planetary Science Letters, 1990, 96, 443-457.	4.4	124
44	Evolution of the Walvis Ridgeâ€Rio Grande Rise Hot Spot System: Implications for African and South American Plate motions over plumes. Journal of Geophysical Research, 1990, 95, 17475-17502.	3.3	340
45	Reunion hotspot magma chemistry over the past 65 m.y.: Results from Leg 115 of the Ocean Drilling Program. Geology, 1989, 17, 934.	4.4	49
46	Paleointensity of the Earth's magnetic field and Kâ€Ar dating of the Louchadiere volcanic flow (central) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.0	71
47	Age progressive volcanism in the Tasmantid Seamounts. Earth and Planetary Science Letters, 1988, 89, 207-220.	4.4	107
48	Temporal variations in plate convergence and eruption rates in the Western Cascades, Oregon. Tectonics, 1987, 6, 197-209.	2.8	53
49	Geology and petrogenesis of lavas from San Cristobal Island, Galapagos Archipelago. Bulletin of the Geological Society of America, 1986, 97, 555.	3.3	70
50	31st Pacific Northwest Regional Meeting. Eos, 1985, 66, 23.	0.1	0
51	Geology of Santa Fe island: The oldest galapagos volcano. Journal of Volcanology and Geothermal Research, 1985, 26, 203-212.	2.1	22
52	Pacific Plate Motion Recorded by Linear Volcanic Chains. , 1985, , 89-121.		176
53	A captured island chain in the coast range of Oregon and Washington. Journal of Geophysical Research, 1982, 87, 10827-10837.	3.3	163
54	Migration of volcanism with time in the Marquesas Islands, French Polynesia. Earth and Planetary Science Letters, 1974, 21, 414-420.	4.4	120

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55	Geochemistry and Geochronology of the Society Islands: New Evidence for Deep Mantle Recycling. Geophysical Monograph Series, 0, , 183-206.	0.1	79
56	The Life Cycle of Indian Ocean Hotspots. Geophysical Monograph Series, 0, , 91-103.	0.1	24