

Ian C Wright

List of Publications by Year in descending order

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58
papers

3,130
citations

117625

34
h-index

155660

55
g-index

58
all docs

58
docs citations

58
times ranked

2436
citing authors

#	ARTICLE	IF	CITATIONS
1	Intra-oceanic subduction-related hydrothermal venting, Kermadec volcanic arc, New Zealand. <i>Earth and Planetary Science Letters</i> , 2001, 193, 359-369.	4.4	171
2	Detection and impacts of leakage from sub-seafloor deep geological carbon dioxide storage. <i>Nature Climate Change</i> , 2014, 4, 1011-1016.	18.8	159
3	An integrated model for the temporal evolution of andesites and rhyolites and crustal development in New Zealand's North Island. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 140, 1-24.	2.1	157
4	Basalt and Sediment Geochemistry and Magma Petrogenesis in a Transect from Oceanic Island Arc to Rifted Continental Margin Arc: the Kermadec-Hikurangi Margin, SW Pacific. <i>Journal of Petrology</i> , 1996, 37, 1523-1546.	2.8	139
5	The Lau-Havre-Taupo back-arc basin: A southward-propagating, multi-stage evolution from rifting to spreading. <i>Tectonophysics</i> , 1996, 263, 1-22.	2.2	137
6	New multibeam mapping and geochemistry of the 30°-35° S sector, and overview, of southern Kermadec arc volcanism. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 149, 263-296.	2.1	135
7	Southern Kermadec submarine caldera arc volcanoes (SW Pacific): caldera formation by effusive and pyroclastic eruption. <i>Marine Geology</i> , 1999, 161, 207-227.	2.1	128
8	Hydrothermal fluids associated with seafloor mineralization at two southern Kermadec arc volcanoes, offshore New Zealand. <i>Mineralium Deposita</i> , 2003, 38, 217-233.	4.1	99
9	Elemental mercury at submarine hydrothermal vents in the Bay of Plenty, Taupo volcanic zone, New Zealand. <i>Geology</i> , 1999, 27, 931.	4.4	91
10	Marine baseline and monitoring strategies for carbon dioxide capture and storage (CCS). <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 221-229.	4.6	89
11	Pre-spread rifting and heterogeneous volcanism in the southern Havre Trough back-arc basin. <i>Marine Geology</i> , 1993, 113, 179-200.	2.1	80
12	Mantle dynamics, element recycling, and magma genesis beneath the Kermadec Arc-Havre Trough. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-22.	2.5	78
13	An Integrated Latest Quaternary (Stage 3 to Present) Paleoclimatic and Paleoceanographic Record from Offshore Northern New Zealand. <i>Quaternary Research</i> , 1995, 44, 283-293.	1.7	75
14	Physical characterisation and a biologically focused classification of seamounts in the New Zealand region. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2005, 39, 1039-1059.	2.0	72
15	Geochemistry and Petrogenesis of Silicic Magmas in the Intra-Oceanic Kermadec Arc. <i>Journal of Petrology</i> , 2013, 54, 351-391.	2.8	72
16	Submarine silicic volcanism of the Healy caldera, southern Kermadec arc (SW Pacific): IAC volcanology and eruption mechanisms. <i>Bulletin of Volcanology</i> , 2003, 65, 15-29.	3.0	71
17	Gas migration pathways, controlling mechanisms and changes in sediment acoustic properties observed in a controlled sub-seabed CO ₂ release experiment. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 26-43.	4.6	69
18	Seafloor geology and petrology in the oceanic to continental transition zone of the Kermadec-Havre-Taupo Volcanic Zone arc system, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1993, 36, 417-435.	1.8	68

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19	Discovery of hydrothermal sulfide mineralization from southern Kermadec arc volcanoes (SW Tj ETQq1 1 0.784314 rgBT /Overlock 10T	4.4	66
20	A novel sub-seabed CO ₂ release experiment informing monitoring and impact assessment for geological carbon storage. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 3-17.	4.6	64
21	Shallow structure and active tectonism of an offshore continental back-arc spreading system: the Taupo Volcanic Zone, New Zealand. <i>Marine Geology</i> , 1992, 103, 287-309.	2.1	59
22	Late Quaternary tephrostratigraphy from the southern Havre Trough – Bay of Plenty, northeast New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1992, 35, 129-143.	1.8	57
23	Collapse and reconstruction of Monowai submarine volcano, Kermadec arc, 1998–2004. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	57
24	Methane seepage and its relation to slumping and gas hydrate at the Hikurangi margin, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2006, 49, 503-516.	1.8	54
25	Volatile contents of Kermadec Arc – Havre Trough pillow glasses: Fingerprinting slab-derived aqueous fluids in the mantle sources of arc and back-arc lavas. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 152, 51-73.	2.1	52
26	Volcaniclastic processes on modern submarine arc stratovolcanoes: sidescan and photographic evidence from the Rumble IV and V volcanoes, southern Kermadec Arc (SW Pacific). <i>Marine Geology</i> , 1996, 136, 21-39.	2.1	50
27	Backarc rifting, constructional volcanism and nascent disorganised spreading in the southern Havre Trough backarc rifts (SW Pacific). <i>Journal of Volcanology and Geothermal Research</i> , 2010, 190, 39-57.	2.1	50
28	Nature and tectonic setting of the southern Kermadec submarine arc volcanoes: An overview. <i>Marine Geology</i> , 1994, 118, 217-236.	2.1	48
29	Structure and petrology of newly discovered volcanic centers in the northern Kermadec – southern Tofua arc, South Pacific Ocean. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	47
30	Large tectonic rotation of part of New Zealand in the last 5 Ma. <i>Earth and Planetary Science Letters</i> , 1986, 80, 348-352.	4.4	43
31	Dynamics of deep submarine silicic explosive eruptions in the Kermadec arc, as reflected in pumice vesicularity textures. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 301, 314-332.	2.1	38
32	Origin of spectacular fields of submarine sediment waves around volcanic islands. <i>Earth and Planetary Science Letters</i> , 2018, 493, 12-24.	4.4	38
33	Title is missing!. <i>Marine Geophysical Researches</i> , 1997, 19, 177-193.	1.2	37
34	500,000-Year Paleomagnetic Record from New Zealand Loess. <i>Quaternary Research</i> , 1990, 33, 178-187.	1.7	34
35	Late Quaternary faulting of the offshore Whakatane Graben, Taupo Volcanic Zone, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1990, 33, 245-256.	1.8	34
36	Highly vesicular pumice generated by buoyant detachment of magma in subaqueous volcanism. <i>Nature Geoscience</i> , 2013, 6, 129-132.	12.9	34

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37	Submarine Magmatic-Hydrothermal Systems at the Monowai Volcanic Center, Kermadec Arc. <i>Economic Geology</i> , 2012, 107, 1669-1694.	3.8	33
38	In situ modification of modern submarine hyaloclastic/pyroclastic deposits by oceanic currents: an example from the Southern Kermadec arc (SW Pacific). <i>Marine Geology</i> , 2001, 172, 287-307.	2.1	30
39	Inhomogeneous substrate analysis using EM300 backscatter imagery. <i>Marine Geophysical Researches</i> , 2003, 24, 311-327.	1.2	30
40	Towed-camera investigations of shallow to intermediate water-depth submarine stratovolcanoes of the southern Kermadec arc, New Zealand. <i>Marine Geology</i> , 2002, 185, 207-218.	2.1	28
41	Contrasting pyroclast density spectra from subaerial and submarine silicic eruptions in the Kermadec arc: implications for eruption processes and dredge sampling. <i>Bulletin of Volcanology</i> , 2012, 74, 1425-1443.	3.0	28
42	Methane in shallow subsurface sediments at the landward limit of the gas hydrate stability zone offshore western Svalbard. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 419-438.	3.9	26
43	GLORIA survey of the oceanic-continental transition of the Havre-Taupo back-arc basin. <i>Geo-Marine Letters</i> , 1990, 10, 59-67.	1.1	24
44	Bubble development in explosive silicic eruptions: insights from pyroclast vesicularity textures from Raoul volcano (Kermadec arc). <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	23
45	Predicted seafloor topography of the New Zealand region: A nonlinear least squares inversion of satellite altimetry data. <i>Journal of Geophysical Research</i> , 2000, 105, 16577-16590.	3.3	21
46	Submarine hydrothermal activity within the offshore Taupo Volcanic Zone, Bay of Plenty continental shelf, New Zealand. <i>Continental Shelf Research</i> , 1994, 14, 1411-1438.	1.8	18
47	Late Quaternary tephra layers around Raoul and Macauley Islands, Kermadec Arc: implications for volcanic sources, explosive volcanism and tephrochronology. <i>Journal of Quaternary Science</i> , 2011, 26, 422-432.	2.1	17
48	Variability of Acoustically Evidenced Methane Bubble Emissions Offshore Western Svalbard. <i>Geophysical Research Letters</i> , 2019, 46, 9072-9081.	4.0	17
49	Morphometric analysis of the submarine arc volcano Monowai (Tofua, Kermadec Arc) to decipher tectono-magmatic interactions. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 239-240, 69-82.	2.1	15
50	A New Zealand Late Miocene magnetostratigraphy: glacioeustatic and biostratigraphic correlations. <i>Earth and Planetary Science Letters</i> , 1988, 87, 193-204.	4.4	14
51	Oblique rifting along the central and southern Kermadec Arc front (30°-36°S), SW Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	13
52	Review of Offshore CO2 Storage Monitoring: Operational and Research Experiences of Meeting Regulatory and Technical Requirements. <i>Energy Procedia</i> , 2017, 114, 5967-5980.	1.8	10
53	Occurrence and physical setting of ferromanganese nodules beneath the Deep Western Boundary Current, Southwest Pacific Ocean. <i>New Zealand Journal of Geology, and Geophysics</i> , 2005, 48, 27-41.	1.8	8
54	Ar-Ar age constraints on the timing of Havre Trough opening and magmatism. <i>New Zealand Journal of Geology, and Geophysics</i> , 2019, 62, 371-377.	1.8	8

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55	Seamount gravity anomaly modelling with variably thick sediment cover. <i>Marine Geophysical Researches</i> , 2002, 23, 13-23.	1.2	6
56	Spotlight: Graveyard Seamounts. <i>Oceanography</i> , 2010, 23, 146-147.	1.0	6
57	Early Cretaceous greywacke from Colville Knolls, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2020, 63, 145-150.	1.8	3
58	Reply to 'Magma balloons or bombs?'. <i>Nature Geoscience</i> , 2013, 6, 803-803.	12.9	0