

Bryan Davy

List of Publications by Year in descending order

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42
papers

1,818
citations

304743

22
h-index

276875

41
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44
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44
docs citations

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times ranked

1563
citing authors

#	ARTICLE	IF	CITATIONS
1	Hikurangi Plateau: Crustal structure, rifted formation, and Gondwana subduction history. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	230
2	Age and geochemistry of volcanic rocks from the Hikurangi and Manihiki oceanic Plateaus. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7196-7219.	3.9	140
3	Gravity and magnetic modelling of the Hikurangi Plateau. <i>Marine Geology</i> , 1994, 118, 139-151.	2.1	130
4	From oblique subduction to intra-continental transpression: Structures of the southern Kermadec-Hikurangi margin from multibeam bathymetry, side-scan sonar and seismic reflection. <i>Marine Geophysical Researches</i> , 1996, 18, 357-381.	1.2	116
5	The Hikurangi Plateau. <i>Marine Geology</i> , 1994, 118, 153-173.	2.1	109
6	Gravity, magnetic and seismic surveys of the caldera complex, Lake Taupo, North Island, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 81, 69-89.	2.1	83
7	Discovery of active hydrothermal venting in Lake Taupo, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 115, 257-275.	2.1	70
8	Paleogene seafloor spreading in the southeast Tasman Sea. <i>Tectonics</i> , 1996, 15, 966-975.	2.8	63
9	Gas escape features off New Zealand: Evidence of massive release of methane from hydrates. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	62
10	Crustal Magnetization of Brothers Volcano, New Zealand, Measured by Autonomous Underwater Vehicles: Geophysical Expression of a Submarine Hydrothermal System. <i>Economic Geology</i> , 2012, 107, 1571-1581.	3.8	56
11	Seismic stratigraphic record of the Amundsen Sea Embayment shelf from pre-glacial to recent times: Evidence for a dynamic West Antarctic ice sheet. <i>Marine Geology</i> , 2013, 344, 115-131.	2.1	54
12	Entropy concepts in fluvial geomorphology: A reevaluation. <i>Water Resources Research</i> , 1979, 15, 103-106.	4.2	51
13	Detailed Morphology and Structure of an Active Submarine Arc Caldera: Brothers Volcano, Kermadec Arc. <i>Economic Geology</i> , 2012, 107, 1557-1570.	3.8	51
14	Forearc structures and tectonic regimes at the oblique subduction zone between the Hikurangi Plateau and the southern Kermadec margin. <i>Journal of Geophysical Research</i> , 1998, 103, 623-650.	3.3	48
15	Rotation and offset of the Gondwana convergent margin in the New Zealand region following Cretaceous jamming of Hikurangi Plateau large igneous province subduction. <i>Tectonics</i> , 2014, 33, 1577-1595.	2.8	47
16	Subduction of the oceanic Hikurangi Plateau and its impact on the Kermadec arc. <i>Nature Communications</i> , 2014, 5, 4923.	12.8	45
17	Rapid creation and destruction of sedimentary basins on mature strike-slip faults: an example from the offshore Alpine Fault, New Zealand. <i>Journal of Structural Geology</i> , 2001, 23, 1727-1739.	2.3	41
18	Is the Bounty Trough off eastern New Zealand an aborted rift?. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34

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19	Seismic stratigraphy and structure of the Northland Plateau and the development of the Vening Meinesz transform margin, SW Pacific Ocean. <i>Marine Geophysical Researches</i> , 2009, 30, 21-60.	1.2	34
20	Extensional and magmatic nature of the Campbell Plateau and Great South Basin from deep crustal studies. <i>Tectonophysics</i> , 2009, 472, 213-225.	2.2	34
21	The Evolving Paleobathymetry of the Circum-Antarctic Southern Ocean Since 34 Ma: A Key to Understanding Past Cryosphere-Ocean Developments. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009122.	2.5	34
22	Seismic stratigraphy of the Bounty Trough, south-west Pacific Ocean. <i>Marine and Petroleum Geology</i> , 1994, 11, 79-93.	3.3	26
23	Paleo-fluid expulsion and contouritic drift formation on the Chatham Rise, New Zealand. <i>Basin Research</i> , 2018, 30, 5-19.	2.7	25
24	Frontal accretion and thrust wedge evolution under very oblique plate convergence: Fiordland Basin, New Zealand. <i>Basin Research</i> , 2002, 14, 439-466.	2.7	23
25	The Rapuhia Scarp (northern Hikurangi Plateau) - its nature and subduction effects on the Kermadec Trench. <i>Tectonophysics</i> , 2000, 328, 269-295.	2.2	21
26	CO ₂ Release From Pockmarks on the Chatham Rise-Bounty Trough at the Glacial Termination. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1726-1743.	2.9	21
27	Seismic stratigraphy along the Amundsen Sea to Ross Sea continental rise: A cross-regional record of pre-glacial to glacial processes of the West Antarctic margin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 443, 183-202.	2.3	20
28	Bollons Seamount and early New Zealand-Antarctic seafloor spreading. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	19
29	Cretaceous intracontinental rifting at the southern Chatham Rise margin and initialisation of seafloor spreading between Zealandia and Antarctica. <i>Tectonophysics</i> , 2020, 776, 228298.	2.2	19
30	Atmosphere-Ocean CO ₂ Exchange Across the Last Deglaciation From the Boron Isotope Proxy. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1650-1670.	2.9	18
31	Seismic reflection profiling on southern lake rotorua - evidence for gas-charged lakefloor sediments. <i>Geothermics</i> , 1992, 21, 97-108.	3.4	17
32	Seismic reflection imaging of the Haraharo Caldera boundary beneath Lake Tarawera, Okataina Volcanic Centre, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2005, 48, 153-166.	1.8	13
33	Subsurface structure of the Canterbury region interpreted from gravity and aeromagnetic data. <i>New Zealand Journal of Geology, and Geophysics</i> , 2012, 55, 185-191.	1.8	13
34	Marine seismic reflection profiles from the Waitemata-Whangaparoa region, Auckland. <i>New Zealand Journal of Geology, and Geophysics</i> , 2008, 51, 161-173.	1.8	11
35	Upward-Doming Zones of Gas Hydrate and Free Gas at the Bases of Gas Chimneys, New Zealand's Hikurangi Margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021489.	3.4	11
36	Extent and Cessation of the Mid-Cretaceous Hikurangi Plateau Underthrusting: Impact on Global Plate Tectonics and the Submarine Chatham Rise. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019681.	3.4	10

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37	Seismic Reflection Profiling of the Taupo Caldera, New Zealand. <i>Exploration Geophysics</i> , 1993, 24, 443-454.	1.1	7
38	The Strike-slip West Wishbone Ridge and the Eastern Margin of the Hikurangi Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1199-1216.	2.5	4
39	Late Cretaceous to recent ocean-bottom currents in the SW Pacific Gateway, southeastern Chatham Rise, New Zealand. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 546, 109633.	2.3	4
40	New constraints on the New Zealand-South Fiji Basin continent-back-arc margin. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 2000, 330, 701-708.	0.2	2
41	Reply [to "Comment on "Entropy concepts in fluvial geomorphology: A reevaluation" by Bryan W. Davy and Timothy R. H. Davies]. <i>Water Resources Research</i> , 1980, 16, 251-251.	4.2	1
42	Inversion of magnetic and gravity data reveals subsurface igneous bodies in Northland, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2016, 59, 416-425.	1.8	1