

Kelvin Berryman

List of Publications by Year in descending order

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56
papers

2,345
citations

201674

27
h-index

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48
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56
all docs

56
docs citations

56
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Balancing the plate motion budget in the South Island, New Zealand using GPS, geological and seismological data. <i>Geophysical Journal International</i> , 2007, 168, 332-352.	2.4	217
2	A late Quaternary extension rate in the Taupo Volcanic Zone, New Zealand, derived from fault slip data. <i>New Zealand Journal of Geology, and Geophysics</i> , 2001, 44, 243-269.	1.8	190
3	Growth of a normal fault by the accumulation of slip over millions of years. <i>Journal of Structural Geology</i> , 2005, 27, 327-342.	2.3	173
4	Tectonic and paleoclimatic significance of Quaternary river terraces of the Waipaoa river, east coast, North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2000, 43, 229-245.	1.8	95
5	Age, height, and deformation of Holocene marine terraces at Mahia Peninsula, Hikurangi Subduction Margin, New Zealand. <i>Tectonics</i> , 1993, 12, 1347-1364.	2.8	93
6	Interdependence of fault displacement rates and paleoearthquakes in an active rift. <i>Geology</i> , 2006, 34, 865.	4.4	88
7	Evolution of the southern termination of the Taupo Rift, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2006, 49, 23-37.	1.8	86
8	Tilting of active folds and faults in the Manawatu region, New Zealand: Evidence from surface drainage patterns. <i>New Zealand Journal of Geology, and Geophysics</i> , 1998, 41, 377-385.	1.8	74
9	Late quaternary coseismic uplift history of Huon Peninsula, Papua New Guinea. <i>Quaternary Science Reviews</i> , 1996, 15, 7-22.	3.0	69
10	Associations between volcanic eruptions from Okataina volcanic center and surface rupture of nearby active faults, Taupo rift, New Zealand: Insights into the nature of volcano-tectonic interactions. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 1383-1405.	3.3	66
11	Geological evidence for past large earthquakes and tsunamis along the Hikurangi subduction margin, New Zealand. <i>Marine Geology</i> , 2019, 412, 139-172.	2.1	63
12	Pleistocene coastal terraces of Kaikoura Peninsula and the Marlborough coast, South Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1996, 39, 51-73.	1.8	59
13	Late Quaternary geometry and kinematics of faults at the southern termination of the Taupo Volcanic Zone, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2006, 49, 1-21.	1.8	58
14	Rapid Evolution of Subduction-Related Continental Intraarc Rifts: The Taupo Rift, New Zealand. <i>Tectonics</i> , 2017, 36, 2250-2272.	2.8	52
15	Late Pleistocene surface rupture history of the Paeroa Fault, Taupo Rift, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2008, 51, 135-158.	1.8	51
16	Timing of late Holocene surface rupture of the Wairau Fault, Marlborough, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2006, 49, 159-174.	1.8	47
17	Late Quaternary movement on the Wellington Fault in the Upper Hutt area, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1990, 33, 257-270.	1.8	46
18	A revision of mid-late Holocene marine terrace distribution and chronology at the Pakarae River mouth, North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2006, 49, 477-489.	1.8	46

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19	A stratigraphic age of Rotoehu Ash and late Pleistocene climate interpretation based on marine terrace chronology, Mahia Peninsula, North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1992, 35, 1-7.	1.8	45
20	Morphology and slip rate of the Hurunui section of the Hope Fault, South Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2005, 48, 43-57.	1.8	44
21	Variation in fault behaviour in different tectonic provinces of New Zealand. <i>Journal of Structural Geology</i> , 1991, 13, 177-189.	2.3	40
22	Paleoseismicity of the Wellington-Hutt Valley Segment of the Wellington Fault, North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1992, 35, 165-176.	1.8	40
23	Late Quaternary movement on White Creek Fault, South Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1980, 23, 93-101.	1.8	39
24	Past large earthquakes on the Alpine Fault: paleoseismological progress and future directions. <i>New Zealand Journal of Geology, and Geophysics</i> , 2018, 61, 309-328.	1.8	39
25	A Holocene incised valley infill sequence developed on a tectonically active coast: Pakarae River, New Zealand. <i>Sedimentary Geology</i> , 2007, 197, 333-354.	2.1	34
26	Towards a record of Holocene tsunami and storms for northern Hawke's Bay, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2005, 48, 507-515.	1.8	33
27	The post-glacial downcutting history in the Waihuka tributary of Waipaoa River, Gisborne district: Implications for tectonics and landscape evolution in the Hikurangi subduction margin, New Zealand. <i>Marine Geology</i> , 2010, 270, 55-71.	2.1	31
28	Paleoseismicity of the Rotoitipakau Fault Zone, a complex normal fault in the Taupo Volcanic Zone, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1998, 41, 449-465.	1.8	28
29	Active faults, paleoseismology, and historical fault rupture in northern Wairarapa, North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2004, 47, 101-122.	1.8	28
30	Holocene coastal evolution and uplift mechanisms of the northeastern Raukumara Peninsula, North Island, New Zealand. <i>Quaternary Science Reviews</i> , 2007, 26, 1106-1128.	3.0	25
31	Last glacial aggradation and postglacial sediment production from the non-glacial Waipaoa and Waimata catchments, Hikurangi Margin, North Island, New Zealand. <i>Geomorphology</i> , 2008, 99, 404-419.	2.6	25
32	Detection of large, Holocene earthquakes using diatom analysis of coastal sedimentary sequences, Wellington, New Zealand. <i>Quaternary Science Reviews</i> , 2007, 26, 1129-1147.	3.0	24
33	Defining the geometric segmentation and Holocene slip rate of the Wellington Fault, New Zealand: The Pahiatua section. <i>New Zealand Journal of Geology, and Geophysics</i> , 2005, 48, 591-607.	1.8	22
34	Revised estimates of earthquake hazard in New Zealand. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 1983, 16, 259-272.	0.5	22
35	Mount Stewart-Halcombe Anticline: A look inside a growing fold in the Manawatu region, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1996, 39, 123-133.	1.8	20
36	Coastal uplift mechanisms at Pakarae River mouth: Constraints from a combined Holocene fluvial and marine terrace dataset. <i>Marine Geology</i> , 2010, 270, 72-83.	2.1	20

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37	Development of the Global Earthquake Model's neotectonic fault database. <i>Natural Hazards</i> , 2015, 79, 111-135.	3.4	20
38	Distribution, age, and uplift patterns of Pleistocene marine terraces of the northern Raukumara Peninsula, North Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2007, 50, 181-191.	1.8	18
39	A geomorphic and tectonic model for the formation of the flight of Holocene marine terraces at Mahia Peninsula, New Zealand. <i>Geomorphology</i> , 2018, 307, 77-92.	2.6	17
40	Holocene sediments and vertical tectonic downwarping near Wairoa, Northern Hawke's Bay, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1989, 32, 333-341.	1.8	16
41	Late Quaternary paleolandslides on the coral terraces of Huon Peninsula, Papua New Guinea. <i>Geomorphology</i> , 1997, 19, 55-76.	2.6	16
42	Surface rupture of the Poulter Fault in the 1929 March 9 Arthur's Pass earthquake, and redefinition of the Kakapo Fault, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2004, 47, 341-351.	1.8	16
43	New Zealand seismic hazard analysis. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 1985, 18, 313-322.	0.5	15
44	Rupture history of the Whirinaki fault, an active normal fault in the Taupo rift, new Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2008, 51, 277-293.	1.8	14
45	The 3rd Global Summit of Research Institutes for Disaster Risk Reduction: Expanding the Platform for Bridging Science and Policy Making. <i>International Journal of Disaster Risk Science</i> , 2017, 8, 224-230.	2.9	12
46	Probabilistic seismic hazard assessment of the Canterbury region, New Zealand. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2001, 34, 318-334.	0.5	12
47	Holocene rupture of the Repongaere fault, Gisborne: Implications for Raukumara Peninsula deformation and impact on the Waipaoa Sedimentary System. <i>New Zealand Journal of Geology, and Geophysics</i> , 2009, 52, 335-347.	1.8	11
48	The 1934 Pahiatua earthquake sequence. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 1999, 32, 221-245.	0.5	10
49	Fault ruptures triggered by large rhyolitic eruptions at the boundary between tectonic and magmatic rift segments: The Manawahe Fault, Taupō Rift, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 427, 107478.	2.1	8
50	Volcano-tectonic interactions at the southern margin of the Okataina Volcanic Centre, Taupō Volcanic Zone, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 427, 107552.	2.1	8
51	Late Holocene paleoseismicity of the Pahiatua section of the Wellington fault, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2007, 50, 205-226.	1.8	7
52	Evaluation of seismic hazard in the Rangitaiki Plains, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1989, 32, 185-190.	1.8	6
53	Improving Wellington region's resilience through integrated infrastructure resilience investments. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2021, 54, 117-134.	0.5	6
54	The impact of the Canterbury Earthquake Sequence on the earthquake engineering profession in New Zealand. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2013, 46, 56-67.	0.5	1

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55	Lidar reveals uniform Alpine fault offsets and bimodal plate boundary rupture behavior, New Zealand: COMMENT. <i>Geology</i> , 2014, 42, e351-e351.	4.4	0
56	Reconnaissance field investigation of the Landers earthquake (Ms 7.5) of June 28, 1992, San Bernadino County, California, USA. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 1992, 25, 230-241.	0.5	0