

Robert Wh Butler

List of Publications by Year in descending order

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41
papers

2,093
citations

236925

25
h-index

315739

38
g-index

42
all docs

42
docs citations

42
times ranked

1890
citing authors

#	ARTICLE	IF	CITATIONS
1	The terminology of structures in thrust belts. <i>Journal of Structural Geology</i> , 1982, 4, 239-245.	2.3	383
2	Structural inheritance in mountain belts: An Alpine–Apennine perspective. <i>Journal of Structural Geology</i> , 2006, 28, 1893-1908.	2.3	231
3	LiDAR, UAV or compass-clinometer? Accuracy, coverage and the effects on structural models. <i>Journal of Structural Geology</i> , 2017, 98, 67-82.	2.3	151
4	Appraisal of fracture sampling methods and a new workflow to characterise heterogeneous fracture networks at outcrop. <i>Journal of Structural Geology</i> , 2015, 72, 67-82.	2.3	120
5	Mica, deformation fabrics and the seismic properties of the continental crust. <i>Earth and Planetary Science Letters</i> , 2009, 288, 320-328.	4.4	96
6	Influence of structural position on fracture networks in the Torridon Group, Achnashellach fold and thrust belt, NW Scotland. <i>Journal of Structural Geology</i> , 2015, 74, 64-80.	2.3	70
7	Evidence for extension in the western Alpine orogen: the contact between the oceanic Piemonte and overlying continental Sesia units. <i>Earth and Planetary Science Letters</i> , 1993, 117, 457-474.	4.4	66
8	A structural analysis of the Moine Thrust Zone between Loch Eriboll and Foinaven, NW Scotland. <i>Journal of Structural Geology</i> , 1982, 4, 19-29.	2.3	65
9	Balanced cross-sections and their implications for the deep structure of the northwest Alps. <i>Journal of Structural Geology</i> , 1983, 5, 125-137.	2.3	61
10	Depositional processes across the Sinuac Accretionary Prism, offshore Colombia. <i>Marine and Petroleum Geology</i> , 2010, 27, 794-809.	3.3	56
11	Neotectonics of the Nanga Parbat Syntaxis, Pakistan, and crustal stacking in the northwest Himalayas. <i>Earth and Planetary Science Letters</i> , 1989, 94, 329-343.	4.4	52
12	Interpreting structural geometry in fold-thrust belts: Why style matters. <i>Journal of Structural Geology</i> , 2018, 114, 251-273.	2.3	52
13	Imaging deformation in submarine thrust belts using seismic attributes. <i>Earth and Planetary Science Letters</i> , 2011, 302, 414-422.	4.4	47
14	Implications of heterogeneous fracture distribution on reservoir quality; an analogue from the Torridon Group sandstone, Moine Thrust Belt, NW Scotland. <i>Journal of Structural Geology</i> , 2018, 108, 180-197.	2.3	46
15	Hangingwall strain: A function of duplex shape and footwall topography. <i>Tectonophysics</i> , 1982, 88, 235-246.	2.2	45
16	Shallow erosion beneath turbidity currents and its impact on the architectural development of turbidite sheet systems. <i>Sedimentology</i> , 2011, 58, 936-959.	3.1	42
17	The importance of structural model availability on seismic interpretation. <i>Journal of Structural Geology</i> , 2017, 97, 161-171.	2.3	42
18	The restoration of thrust systems and displacement continuity around the Mont Blanc massif, NW external Alpine thrust belt. <i>Journal of Structural Geology</i> , 1985, 7, 569-582.	2.3	41

#	ARTICLE	IF	CITATIONS
19	When did India hit Asia?. <i>Nature</i> , 1995, 373, 20-21.	27.8	41
20	Can crustal extension be distinguished from thrusting in the internal parts of mountain belts? A case history of the Entrelor shear zone, Western Alps. <i>Journal of Structural Geology</i> , 1996, 18, 909-923.	2.3	35
21	Modelling approaches to understanding fold development: implications for hydrocarbon reservoirs. <i>Marine and Petroleum Geology</i> , 2004, 21, 933-946.	3.3	33
22	Stratigraphic variations control deformation patterns in evaporite basins: Messinian examples, onshore and offshore Sicily (Italy). <i>Journal of the Geological Society</i> , 2015, 172, 113-124.	2.1	33
23	Area balancing as a test of models for the deep structure of mountain belts, with specific reference to the Alps. <i>Journal of Structural Geology</i> , 2013, 52, 2-16.	2.3	32
24	Analyzing structural variations along strike in a deep-water thrust belt. <i>Journal of Structural Geology</i> , 2018, 108, 213-229.	2.3	28
25	Thrust zone kinematics in a basement-cover imbricate stack: Eastern Pelvoux massif, French Alps. <i>Journal of Structural Geology</i> , 1992, 14, 29-40.	2.3	26
26	The Numidian of Sicily revisited: a thrust-influenced confined turbidite system. <i>Marine and Petroleum Geology</i> , 2016, 78, 291-311.	3.3	25
27	Plio-Quaternary megasequence geometry and its tectonic controls within the Maghrebian thrust belt of south-central Sicily. <i>Terra Nova</i> , 1995, 7, 171-178.	2.1	22
28	Using laterally compatible cross sections to infer fault growth and linkage models in foreland thrust belts. <i>Journal of Structural Geology</i> , 2017, 96, 102-117.	2.3	22
29	Tectonic inversion and structural inheritance in mountain belts. <i>Journal of Structural Geology</i> , 2006, 28, 1891-1892.	2.3	20
30	Identifying multiple detachment horizons and an evolving thrust history through cross-section restoration and appraisal in the Moine Thrust Belt, NW Scotland. <i>Journal of Structural Geology</i> , 2014, 66, 1-10.	2.3	19
31	Balanced cross-sections and their implications for the deep structure of the northwest Alps: reply. <i>Journal of Structural Geology</i> , 1984, 6, 607-612.	2.3	16
32	Impact of seismic image quality on fault interpretation uncertainty. <i>GSA Today</i> , 2017, , .	2.0	16
33	Structural validation as an input into seismic depth conversion to decrease assigned structural uncertainty. <i>Journal of Structural Geology</i> , 2017, 95, 32-47.	2.3	14
34	Syn-kinematic sedimentary systems as constraints on the structural response of thrust belts: re-examining the structural style of the Maghrebian thrust belt of Eastern Sicily. <i>Italian Journal of Geosciences</i> , 2019, 138, 371-389.	0.8	14
35	Local displacement rate cycles in the life of a fold-thrust belt. <i>Terra Nova</i> , 1995, 7, 408-416.	2.1	8
36	Destructive sampling ethics. <i>Nature Geoscience</i> , 2015, 8, 817-818.	12.9	7

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37	Deep-water sand-fairway mapping as a tool for tectonic restoration: decoding Miocene central Mediterranean palaeogeography using the Numidian turbidites of southern Italy. <i>Journal of the Geological Society</i> , 2020, 177, 766-783.	2.1	7
38	Basement-cover tectonics, structural inheritance, and deformation migration in the outer parts of orogenic belts: A view from the western Alps. , 2017, , .		3
39	Drilling deep holes in the continents. <i>Geology Today</i> , 1994, 10, 32-35.	0.9	3
40	Thrust systems and contractional tectonics. , 2020, , 149-167.		3
41	Photograph of the month: Large-scale basement-cover deformation in the Alps. <i>Journal of Structural Geology</i> , 2013, 52, 1.	2.3	0