

William M Dunne

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

818
citations

430874

18
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain factorization and partitioning in the North Mountain thrust sheet, central Appalachians, U.S.A.. Journal of Structural Geology, 1991, 13, 21-35.	2.3	93
2	Blind thrust systems. Geology, 1988, 16, 33.	4.4	85
3	Fractal characterization of fracture networks: An improved box-counting technique. Journal of Geophysical Research, 2007, 112, .	3.3	65
4	Origin of a thrust-related fold: geometric vs kinematic tests. Journal of Structural Geology, 1997, 19, 303-319.	2.3	58
5	Orthogonal fracture systems at the limits of thrusting: an example from southwestern Wales. Journal of Structural Geology, 1990, 12, 207-215.	2.3	51
6	Lacunarity analysis of fracture networks: Evidence for scale-dependent clustering. Journal of Structural Geology, 2010, 32, 1444-1449.	2.3	51
7	Cover deformation above a blind duplex: An example from West Virginia, U.S.A.. Journal of Structural Geology, 1989, 11, 421-431.	2.3	50
8	Tectonic evolution of SW Wales during the Upper Palaeozoic. Journal of the Geological Society, 1983, 140, 257-265.	2.1	30
9	The problem of strain-marker centers and the fry method. Journal of Structural Geology, 1990, 12, 933-938.	2.3	30
10	A technique for revealing scale-dependent patterns in fracture spacing data. Journal of Geophysical Research: Solid Earth, 2014, 119, 5979-5986.	3.4	27
11	Variation in quartz arenite deformation mechanisms between a roof sequence and duplexes. Journal of Structural Geology, 1993, 15, 465-475.	2.3	26
12	Conditions of vein formation in the southern Appalachian foreland: constraints from vein geometries and fluid inclusions. Journal of Structural Geology, 1991, 13, 1173-1183.	2.3	25
13	Roof sequence response to emplacement of the Wills Mountain duplex: the roles of forethrusting and scales of deformation. Journal of Structural Geology, 1997, 19, 1443-1459.	2.3	24
14	The role of dilation and cementation in the formation of cataclasite in low temperature deformation of well cemented quartz-rich rocks. Journal of Structural Geology, 2010, 32, 1912-1922.	2.3	24
15	Calculation of shortening due to outcrop-scale deformation and its relation to regional deformation patterns. Journal of Structural Geology, 2001, 23, 1507-1529.	2.3	22
16	Mesostructural Development in Detached Folds: An Example from West Virginia. Journal of Geology, 1986, 94, 473-488.	1.4	20
17	Deformation behavior during blind thrust translation as a function of fault strength. Journal of Structural Geology, 1999, 21, 855-874.	2.3	19
18	Displacement transfer at thrust terminations: the Saltville thrust and Sinking Creek anticline, Virginia, U.S.A.. Journal of Structural Geology, 1994, 16, 781-793.	2.3	18

#	ARTICLE	IF	CITATIONS
19	Deformation history of the Roanoke recess, Appalachians, USA. <i>Journal of Structural Geology</i> , 2002, 24, 411-433.	2.3	17
20	Development of a dilatant damage zone along a thrust relay in a low-porosity quartz arenite. <i>Journal of Structural Geology</i> , 2006, 28, 776-792.	2.3	16
21	Shallow normal fault slopes on Saturnian icy satellites. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 2053-2083.	3.6	16
22	Deformation of Helderberg Limestones above the Blind Thrust System of the Central Appalachians. <i>Journal of Geology</i> , 1990, 98, 108-117.	1.4	13
23	Orthogonal jointing during coeval igneous degassing and normal faulting, Yucca Mountain, Nevada. <i>Bulletin of the Geological Society of America</i> , 2003, 115, 1492.	3.3	12
24	The effect of fluid composition on the behavior of well cemented, quartz-rich sandstone during faulting. <i>Journal of Structural Geology</i> , 2009, 31, 960-971.	2.3	9
25	Evolution of solution structures in a deformed quartz arenite: geometric changes related to permeability changes. <i>Journal of Structural Geology</i> , 1997, 19, 663-672.	2.3	6
26	Fractal strain distribution and its implications for cross-section balancing: Discussion. <i>Journal of Structural Geology</i> , 1995, 17, 757-760.	2.3	2
27	Probabilistic-mechanistic simulation of bed-normal joint patterns. <i>Geological Society Special Publication</i> , 2004, 231, 269-283.	1.3	2
28	Editorial: Spatial arrangement of faults and opening-mode fractures. <i>Journal of Structural Geology</i> , 2018, 108, 1.	2.3	1
29	Global Geoscience Transect 20. Central Appalachians: Cratonic North America to the Atlantic Abyssal Plain. <i>International Geology Review</i> , 1999, 41, 711-738.	2.1	0