

# Martin Pa Jackson

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

5,312  
citations

87888

38  
h-index

189892

50  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural evolution of salt-influenced fold-and-thrust belts: A synthesis and new insights from basins containing isolated salt diapirs. <i>Journal of Structural Geology</i> , 2018, 114, 206-221.	2.3	64
2	The origin of salt-encased sediment packages: Observations from the SE Precaspian Basin (Kazakhstan). <i>Journal of Structural Geology</i> , 2017, 97, 237-256.	2.3	26
3	Lateral mobility of minibasins during shortening: Insights from the SE Precaspian Basin, Kazakhstan. <i>Journal of Structural Geology</i> , 2017, 97, 257-276.	2.3	34
4	Understanding the kinematics of salt-bearing passive margins: A critical test of competing hypotheses for the origin of the Albian Gap, Santos Basin, offshore Brazil. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1730-1751.	3.3	48
5	Enigmatic structures within salt walls of the Santos Basin—Part 1: Geometry and kinematics from 3D seismic reflection and well data. <i>Journal of Structural Geology</i> , 2015, 75, 135-162.	2.3	76
6	Enigmatic structures within salt walls of the Santos Basin—Part 2: Mechanical explanation from physical modelling. <i>Journal of Structural Geology</i> , 2015, 75, 163-187.	2.3	39
7	Predicting the depth of viscous stress peaks in moving salt sheets: Conceptual framework and implications for drilling. <i>AAPG Bulletin</i> , 2014, 98, 911-945.	1.5	17
8	Origin and timing of layer-bound radial faulting around North Sea salt stocks: New insights into the evolving stress state around rising diapirs. <i>Marine and Petroleum Geology</i> , 2013, 48, 130-148.	3.3	44
9	Strain partitioning in gravity-driven shortening of a thick, multilayered evaporite sequence. <i>Geological Society Special Publication</i> , 2012, 363, 449-470.	1.3	39
10	Allochthonous salt in the sub-Alpine fold-and-thrust belt of Haute Provence, France. <i>Geological Society Special Publication</i> , 2012, 363, 595-615.	1.3	47
11	Viscous flow during salt welding. <i>Tectonophysics</i> , 2011, 510, 309-326.	2.2	50
12	Modeling the collapse of Hebes Chasma, Valles Marineris, Mars. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 1596-1627.	3.3	26
13	Origin of transverse folds in an extensional growth-fault setting: Evidence from an extensive seismic volume in the western Gulf of Mexico. <i>Marine and Petroleum Geology</i> , 2010, 27, 1494-1507.	3.3	12
14	Salt tectonics and collapse of Hebes Chasma, Valles Marineris, Mars. <i>Geology</i> , 2009, 37, 691-694.	4.4	26
15	Inflation and deflation of deeply buried salt stocks during lateral shortening. <i>Journal of Structural Geology</i> , 2009, 31, 582-600.	2.3	97
16	Interaction between spreading salt canopies and their peripheral thrust systems. <i>Journal of Structural Geology</i> , 2009, 31, 1114-1129.	2.3	54
17	Distinguishing salt welds from shale detachments on the inner Texas shelf, western Gulf of Mexico. <i>Basin Research</i> , 2009, 21, 47-59.	2.7	15
18	Initiation of gravitational collapse of an evaporite basin margin: The Messinian saline giant, Levant Basin, eastern Mediterranean. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 399-413.	3.3	75

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19	Evolution of the Cretaceous Astrid thrust belt in the ultradeep-water Lower Congo Basin, Gabon. AAPG Bulletin, 2008, 92, 487-511.	1.5	46
20	Initiation and growth of salt-based thrust belts on passive margins: results from physical models. Basin Research, 2007, 19, 165-177.	2.7	55
21	Terra infirma: Understanding salt tectonics. Earth-Science Reviews, 2007, 82, 1-28.	9.1	548
22	Advance of allochthonous salt sheets in passive margins and orogens. AAPG Bulletin, 2006, 90, 1535-1564.	1.5	151
23	Continental-scale salt tectonics on Mars and the origin of Valles Marineris and associated outflow channels. Bulletin of the Geological Society of America, 2006, preprint, 1.	3.3	25
24	An allochthonous salt canopy on Axel Heiberg Island, Sverdrup Basin, Arctic Canada. Geology, 2006, 34, 1045.	4.4	58
25	The paradox of minibasin subsidence into salt: Clues to the evolution of crustal basins. Bulletin of the Geological Society of America, 2006, preprint, 1.	3.3	40
26	Stratigraphic record of translation down ramps in a passive-margin salt detachment. Journal of Structural Geology, 2005, 27, 889-911.	2.3	64
27	Regional restoration across the Kwanza Basin, Angola: Salt tectonics triggered by repeated uplift of a metastable passive margin. AAPG Bulletin, 2004, 88, 971-990.	1.5	130
28	Neoproterozoic allochthonous salt tectonics during the Lufilian orogeny in the Katangan Copperbelt, central Africa. Bulletin of the Geological Society of America, 2003, 115, 314-330.	3.3	96
29	Structural segmentation, inversion, and salt tectonics on a passive margin: Evolution of the Inner Kwanza Basin, Angola. Bulletin of the Geological Society of America, 2002, 114, 1222-1244.	3.3	82
30	Role of subaerial volcanic rocks and mantle plumes in creation of South Atlantic margins: implications for salt tectonics and source rocks. Marine and Petroleum Geology, 2000, 17, 477-498.	3.3	162
31	Superposed deformation straddling the continental-oceanic transition in deep-water Angola. Marine and Petroleum Geology, 2000, 17, 1095-1109.	3.3	102
32	Isochores and 3-D visualization of rising and falling salt diapirs. Marine and Petroleum Geology, 1999, 16, 849-861.	3.3	5
33	Structure and evolution of Upheaval Dome: A pinched-off salt diapir. Bulletin of the Geological Society of America, 1998, 110, 1547-1573.	3.3	56
34	Regional extension as a geologic trigger for diapirism. Bulletin of the Geological Society of America, 1994, 106, 57-73.	3.3	294
35	Structural Dynamics of Salt Systems. Annual Review of Earth and Planetary Sciences, 1994, 22, 93-117.	11.0	207
36	Rheological and tectonic modeling of salt provinces. Tectonophysics, 1993, 217, 143-174.	2.2	327

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37	Mechanics of active salt diapirism. <i>Tectonophysics</i> , 1993, 228, 275-312.	2.2	160
38	Kinematic analysis of faults in a physical model of growth faulting above a viscous salt analogue. <i>Tectonophysics</i> , 1993, 228, 313-329.	2.2	113
39	Diapirism on Triton: A record of crustal layering and instability. <i>Geology</i> , 1993, 21, 299.	4.4	50
40	The fall of diapirs during thin-skinned extension. <i>Marine and Petroleum Geology</i> , 1992, 9, 354-371.	3.3	243
41	The rise of diapirs during thin-skinned extension. <i>Marine and Petroleum Geology</i> , 1992, 9, 331-354.	3.3	540
42	Raft tectonics in the Kwanza Basin, Angola. <i>Marine and Petroleum Geology</i> , 1992, 9, 389-404.	3.3	243
43	Gum rosin (colophony): A suitable material for thermomechanical modelling of the lithosphere. <i>Tectonophysics</i> , 1992, 210, 255-271.	2.2	50
44	Diapiric spoke patterns. <i>Tectonophysics</i> , 1991, 188, 187-201.	2.2	50
45	Anatomy of mushroom-shaped diapirs. <i>Journal of Structural Geology</i> , 1989, 11, 211-230.	2.3	95
46	Early Archean foredeep sedimentation related to crustal shortening: a reinterpretation of the Barberton Sequence, Southern Africa. <i>Tectonophysics</i> , 1987, 136, 197-221.	2.2	71
47	Salt Tectonics. <i>Scientific American</i> , 1987, 257, 70-79.	1.0	40
48	External shapes, strain rates, and dynamics of salt structures. <i>Bulletin of the Geological Society of America</i> , 1986, 97, 305.	3.3	341
49	Geometry and evolution of salt structures in a marginal rift basin of the Gulf of Mexico, east Texas. <i>Geology</i> , 1983, 11, 131.	4.4	48
50	Rb-Sr age and source of the Bimodal Suite of the Ancient Gneiss Complex, Swaziland. <i>Nature</i> , 1980, 283, 756-758.	27.8	31