

Tim Reston

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,573
citations

24
h-index

39
g-index

41
ext. papers

1,697
ext. citations

4.1
avg, IF

4.85
L-index

#	Paper	IF	Citations
41	Insight into the nature of the ocean-continent transition off West Iberia from a deep multichannel seismic reflection profile. <i>Geology</i> , 1996 , 24, 1079	5	151
40	The S reflector west of Galicia (Spain): Evidence from prestack depth migration for detachment faulting during continental breakup. <i>Journal of Geophysical Research</i> , 1996 , 101, 8075-8091		132
39	Mechanisms of extension at nonvolcanic margins: Evidence from the Galicia interior basin, west of Iberia. <i>Journal of Geophysical Research</i> , 2003 , 108,		118
38	Extension discrepancy at North Atlantic nonvolcanic rifted margins: Depth-dependent stretching or unrecognized faulting?. <i>Geology</i> , 2007 , 35, 367	5	99
37	Magma fingers and host rock fluidization in the emplacement of sills. <i>Geology</i> , 2010 , 38, 63-66	5	83
36	Evidence for shear zones in the lower crust offshore Britain. <i>Tectonics</i> , 1988 , 7, 929-945	4.3	71
35	The 3-D geometry of detachment faulting at mid-ocean ridges. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	63
34	The S reflector west of Galicia: the seismic signature of a detachment fault. <i>Geophysical Journal International</i> , 1996 , 127, 230-244	2.6	63
33	Fault-controlled hydration of the upper mantle during continental rifting. <i>Nature Geoscience</i> , 2016 , 9, 384-388	18.3	56
32	The lower crust and the extension of the continental lithosphere: Kinematic analysis of Birps Deep Seismic Data. <i>Tectonics</i> , 1990 , 9, 1235-1248	4.3	55
31	Mantle shear zones and the evolution of the northern North Sea basin. <i>Geology</i> , 1990 , 18, 272	5	47
30	Lithospheric extension from rifting to continental breakup at magma-poor margins: rheology, serpentinisation and symmetry. <i>International Journal of Earth Sciences</i> , 2007 , 96, 1033-1046	2.2	44
29	Continental hyperextension, mantle exhumation, and thin oceanic crust at the continent-ocean transition, West Iberia: New insights from wide-angle seismic. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 3177-3199	3.6	43
28	Reflective oceanic crust formed at a fast-spreading center in the Pacific. <i>Geology</i> , 1997 , 25, 499	5	42
27	Nature of the S reflector beneath the Galicia Banks rifted margin: Preliminary results from prestack depth migration. <i>Geology</i> , 1992 , 20, 1091	5	41
26	Movement along a low-angle normal fault: The S reflector west of Spain. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	39
25	Heterogeneous deformation in the Cascadia convergent margin and its relation to thermal gradient (Washington, NW USA). <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	33

24	The Outer Hebrides fault: a major Proterozoic structure in NW Britain. <i>Journal of the Geological Society</i> , 1989 , 146, 253-259	2.7	32
23	The formation of passive margins: constraints from the crustal structure and segmentation of the deep Galicia margin, Spain. <i>Geological Society Special Publication</i> , 1995 , 90, 71-91	1.7	31
22	Evidence for extensional shear zones in the mantle, offshore Britain, and their implications for the extension of the continental lithosphere. <i>Tectonics</i> , 1993 , 12, 492-506	4.3	30
21	The structure of Cretaceous oceanic crust of the NW Pacific: Constraints on processes at fast spreading centers. <i>Journal of Geophysical Research</i> , 1999 , 104, 629-644		29
20	Microearthquake seismicity of the Mid-Atlantic Ridge at 5°S: A view of tectonic extension. <i>Journal of Geophysical Research</i> , 2004 , 109,		27
19	Flipping detachments: The kinematics of ultraslow spreading ridges. <i>Earth and Planetary Science Letters</i> , 2018 , 503, 144-157	5.3	25
18	To see, or not to see? Rifted margin extension. <i>Geology</i> , 2015 , 43, 967-970	5	24
17	An assessment of the cause of the extension discrepancy with reference to the west Galicia margin. <i>Basin Research</i> , 2014 , 26, 135-153	3.2	24
16	The formation of non-volcanic rifted margins by the progressive extension of the lithosphere: the example of the West Iberian margin. <i>Geological Society Special Publication</i> , 2007 , 282, 77-110	1.7	23
15	Detachment tectonics during Atlantic rifting: analysis and interpretation of the S reflection, the west Galicia margin. <i>Geological Society Special Publication</i> , 1995 , 90, 93-109	1.7	18
14	Resolving the fine-scale velocity structure of continental hyperextension at the Deep Galicia Margin using full-waveform inversion. <i>Geophysical Journal International</i> , 2018 , 212, 244-263	2.6	17
13	Constraints on crustal structure of adjacent OCCs and segment boundaries at 13°N on the Mid-Atlantic Ridge. <i>Geophysical Journal International</i> , 2019 , 217, 988-1010	2.6	16
12	Geometry of extensional faults developed at slow-spreading centres from pre-stack depth migration of seismic reflection data in the Central Atlantic (Canary Basin). <i>Geophysical Journal International</i> , 2004 , 159, 591-606	2.6	13
11	Detachment Faulting and Continental Breakup: The S Reflector Offshore Galicia 1995 , 231-246		12
10	From Continental Hyperextension to Seafloor Spreading: New Insights on the Porcupine Basin From Wide-Angle Seismic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 8312-8330	3.6	12
9	Deep structure of the Porcupine Basin from wide-angle seismic data. <i>Petroleum Geology Conference Proceedings</i> , 2018 , 8, 199-209		11
8	Waveform inversion of the S reflector west of Spain: Fine structure of a detachment fault. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	11
7	Detachment and steep normal faulting in Atlantic oceanic crust west of Africa. <i>Geology</i> , 1996 , 24, 811	5	9

6	The Mid-Atlantic Ridge Near 13°20'N: High-Resolution Magnetic and Bathymetry Imaging. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 295-313	3.6	7
5	3-D P-wave velocity structure of oceanic core complexes at 13°N on the Mid-Atlantic Ridge. <i>Geophysical Journal International</i> , 2020 , 221, 1555-1579	2.6	6
4	Magmatism versus serpentinization—Crustal structure along the 13°N segment at the Mid-Atlantic Ridge. <i>Geophysical Journal International</i> , 2020 , 221, 981-1001	2.6	6
3	The Structure of the Crust and Uppermost Mantle Offshore Britain: Deep Seismic Reflection Profiling and Crustal Cross-Sections 1990 , 603-621		6
2	On the rotation and frictional lock-up of normal faults: Explaining the dip distribution of normal fault earthquakes and resolving the low-angle normal fault paradox. <i>Tectonophysics</i> , 2020 , 790, 228550	3.1	3
1	Interplay between magmatic accretion, spreading asymmetry and detachment faulting at a segment end: Crustal structure south of the Ascension Fracture Zone. <i>Earth and Planetary Science Letters</i> , 2015 , 432, 84-94	5.3	1