

Walter R Roest

List of Publications by Year in descending order

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33
papers

4,633
citations

394421

19
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

3964
citing authors

#	ARTICLE	IF	CITATIONS
1	Age, spreading rates, and spreading asymmetry of the world's ocean crust. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	1,539
2	Magnetic interpretation using the 3-D analytic signal. <i>Geophysics</i> , 1992, 57, 116-125.	2.6	942
3	Digital isochrons of the world's ocean floor. <i>Journal of Geophysical Research</i> , 1997, 102, 3211-3214.	3.3	744
4	An alternative early opening scenario for the Central Atlantic Ocean. <i>Earth and Planetary Science Letters</i> , 2010, 297, 355-368.	4.4	239
5	Identifying remanent magnetization effects in magnetic data. <i>Geophysics</i> , 1993, 58, 653-659.	2.6	162
6	A recipe for microcontinent formation. <i>Geology</i> , 2001, 29, 203.	4.4	151
7	An expression of Philippine Sea plate rotation: the Parece Vela and Shikoku Basins. <i>Tectonophysics</i> , 2004, 394, 69-86.	2.2	150
8	Asymmetric sea-floor spreading caused by ridge-plume interactions. <i>Nature</i> , 1998, 396, 455-459.	27.8	98
9	Fracture zones in the North Atlantic from combined Geosat and Seasat data. <i>Journal of Geophysical Research</i> , 1992, 97, 3337-3350.	3.3	91
10	Chapter 2 New constraints on the late cretaceous/tertiary plate tectonic evolution of the caribbean. <i>Sedimentary Basins of the World</i> , 1999, 4, 33-59.	0.2	86
11	Transform continental margins – Part 2: A worldwide review. <i>Tectonophysics</i> , 2016, 693, 96-115.	2.2	86
12	Earliest sea-floor spreading magnetic anomalies in the north Arabian Sea and the ocean-continent transition. <i>Geophysical Journal International</i> , 1993, 115, 1025-1031.	2.4	56
13	The Kerguelen plateau: Records from a long-living/composite microcontinent. <i>Marine and Petroleum Geology</i> , 2010, 27, 633-649.	3.3	44
14	New database documents the magnetic character of the Arctic and North Atlantic. <i>Eos</i> , 1995, 76, 449-449.	0.1	40
15	How supercontinents and superoceans affect seafloor roughness. <i>Nature</i> , 2008, 456, 938-941.	27.8	28
16	From slow to ultra-slow: How does spreading rate affect seafloor roughness and crustal thickness?. <i>Geology</i> , 2011, 39, 911-914.	4.4	26
17	Restoring post-impact deformation at Sudbury: A circular argument. <i>Geophysical Research Letters</i> , 1994, 21, 959-962.	4.0	23
18	Draping aeromagnetic data in areas of rugged topography. <i>Journal of Applied Geophysics</i> , 1992, 29, 135-142.	2.1	22

#	ARTICLE	IF	CITATIONS
19	Chapter 2â€fGeodynamics of the SW Pacific: a brief review and relations with New Caledonian geology. Geological Society Memoir, 2020, 51, 13-26.	1.7	20
20	Building of the Amsterdam-Saint Paul plateau: A 10 Myr history of a ridge-hot spot interaction and variations in the strength of the hot spot source. Journal of Geophysical Research, 2011, 116, .	3.3	19
21	Structure and evolution of the Atlantic passive margins: A review of existing rifting models from wide-angle seismic data and kinematic reconstruction. Marine and Petroleum Geology, 2021, 126, 104898.	3.3	15
22	The intermediate-wavelength magnetic anomaly maps of the North Atlantic Ocean derived from satellite and shipborne data. Geophysical Journal International, 1995, 123, 727-743.	2.4	12
23	Deep Structure of the Grenada Basin From Wideâ€Angle Seismic, Bathymetric and Gravity Data. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020472.	3.4	10
24	A synthesis of the sedimentary evolution of the Demerara Plateau (Central Atlantic Ocean) from the late Albian to the Holocene. Marine and Petroleum Geology, 2020, 114, 104195.	3.3	8
25	Comment on â€Breakup of Pangaea and plate kinematics of the central Atlantic and Atlas regionsâ€™ by Antonio Schettino and Eugenio Turco. Geophysical Journal International, 2010, 183, 96-98.	2.4	5
26	Compared structure and evolution of the conjugate Demerara and Guinea transform marginal plateaus. Tectonophysics, 2021, , 229112.	2.2	5
27	Detection of light and flicker at low luminance levels in the human peripheral visual system I Psychophysical experiments. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1984, 1, 764.	1.5	4
28	Deep structure of the Demerara Plateau and its two-fold tectonic evolution: from a volcanic margin to a transform marginal plateau, insights from the Conjugate Guinea Plateau. Geological Society Special Publication, 2023, 524, 339-366.	1.3	3
29	An Approach to the Reconstruction of Deformed Continental Crust Using Gridded Geophysical Data. Exploration Geophysics, 1999, 30, 101-104.	1.1	2
30	New color display techniques help to interpret deep seismic reflections. Eos, 1990, 71, 1147-1150.	0.1	1
31	Echofacies interpretation of Pleistocene to Holocene contourites on the Demerara Plateau and abyssal plain. Interpretation, 2021, 9, SB49-SB65.	1.1	1
32	Initiation of transform continental margins: the Cretaceous margins of the Demerara plateau. Geological Society Special Publication, 2023, 524, 327-337.	1.3	1
33	Pleistocene Mass Transport Deposits Off Barbados Accretionary Prism (Lesser Antilles). Advances in Natural and Technological Hazards Research, 2016, , 321-329.	1.1	0