Walter R Roest

List of Publications by Year
in descending order

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	Initiation of transform continental margins: the Cretaceous margins of the Demerara plateau. Geological Society Special Publication, 2023, 524, 327-337.	1.3	1
2	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
3	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
4	Echofacies interpretation of Pleistocene to Holocene contourites on the Demerara Plateau and abyssal plain. Interpretation, 2021, 9, SB49-SB65.	1.1	1
5	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
6	Compared structure and evolution of the conjugate Demerara and Guinea transform marginal plateaus. Tectonophysics, 2021, , 229112.	2.2	5
7	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
8	Chapter 2â€ƒGeodynamics of the SW Pacific: a brief review and relations with New Caledonian geology. Geological Society Memoir, 2020, 51, 13-26.	1.7	20
9	Transform continental margins â€“ Part 2: A worldwide review. Tectonophysics, 2016, 693, 96-115.	2.2	86
10	Pleistocene Mass Transport Deposits Off Barbados Accretionary Prism (Lesser Antilles). Advances in Natural and Technological Hazards Research, 2016, , 321-329.	1.1	0
11	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
12	From slow to ultra-slow: How does spreading rate affect seafloor roughness and crustal thickness?. Geology, 2011, 39, 911-914.	4.4	26
13	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
14	The Kerguelen plateau: Records from a long-living/composite microcontinent. Marine and Petroleum Geology, 2010, 27, 633-649.	3.3	44
15	An alternative early opening scenario for the Central Atlantic Ocean. Earth and Planetary Science Letters, 2010, 297, 355-368.	4.4	239
16	How supercontinents and superoceans affect seafloor roughness. Nature, 2008, 456, 938-941.	27.8	28
17	Age, spreading rates, and spreading asymmetry of the world's ocean crust. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	1,539
18	An expression of Philippine Sea plate rotation: the Parece Vela and Shikoku Basins. Tectonophysics, 2004, 394, 69-86.	2.2	150

#	Article	IF	Citations
19	A recipe for microcontinent formation. Geology, 2001, 29, 203.	4.4	151
20	An Approach to the Reconstruction of Deformed Continental Crust Using Gridded Geophysical Data. Exploration Geophysics, 1999, 30, 101-104.	1.1	2
21	Chapter 2 New constraints on the late cretaceous/tertiary plate tectonic evolution of the caribbean. Sedimentary Basins of the World, 1999, 4, 33-59.	0.2	86
22	Asymmetric sea-floor spreading caused by ridgeâ€“plume interactions. Nature, 1998, 396, 455-459.	27.8	98
23	Digital isochrons of the world's ocean floor. Journal of Geophysical Research, 1997, 102, 3211-3214.	3.3	744
24	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
25	New database documents the magnetic character of the Arctic and North Atlantic. Eos, 1995, 76, 449-449.	0.1	40
26	Restoring post-impact deformation at Sudbury: A circular argument. Geophysical Research Letters, 1994, 21, 959-962.	4.0	23
27	Earliest sea-floor spreading magnetic anomalies in the north Arabian Sea and the ocean-continent transition. Geophysical Journal International, 1993, 115, 1025-1031.	2.4	56
28	Identifying remanent magnetization effects in magnetic data. Geophysics, 1993, 58, 653-659.	2.6	162
29	Magnetic interpretation using the 3-D analytic signal. Geophysics, 1992, 57, 116-125.	2.6	942
30	Fracture zones in the North Atlantic from combined Geosat and Seasat data. Journal of Geophysical Research, 1992, 97, 3337-3350.	3.3	91
31	Draping aeromagnetic data in areas of rugged topography. Journal of Applied Geophysics, 1992, 29, 135-142.	2.1	22
32	New color display techniques help to interpret deep seismic reflections. Eos, 1990, 71, 1147-1150.	0.1	1
33	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