David Van Rooij

List of Publications by Year in descending order

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70	3,718	185998 28	133063 59
papers	citations	h-index	g-index

74	74	74	3313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contourites and associated sediments controlled by deep-water circulation processes: State-of-the-art and future considerations. Marine Geology, 2014, 352, 111-154.	0.9	582
2	Marine Litter Distribution and Density in European Seas, from the Shelves to Deep Basins. PLoS ONE, 2014, 9, e95839.	1.1	495
3	Large deep-water coral banks in the Porcupine Basin, southwest of Ireland. Marine Geology, 2002, 188, 193-231.	0.9	282
4	Seismic evidence of current-controlled sedimentation in the Belgica mound province, upper Porcupine slope, southwest of Ireland. Marine Geology, 2003, 195, 31-53.	0.9	129
5	Gas hydrate crystals may help build reefs. Nature, 1998, 391, 648-649.	13.7	128
6	The El Arraiche mud volcano field at the Moroccan Atlantic slope, Gulf of Cadiz. Marine Geology, 2005, 219, 1-17.	0.9	120
7	Along-slope oceanographic processes and sedimentary products around the Iberian margin. Geo-Marine Letters, 2011, 31, 315-341.	0.5	106
8	Northeastern Atlantic cold-water coral reefs and climate. Geology, 2011, 39, 743-746.	2.0	88
9	The Holocene occurrence of cold water corals in the NE Atlantic: Implications for coral carbonate mound evolution. Marine Geology, 2009, 266, 129-142.	0.9	86
10	The Le Danois Contourite Depositional System: Interactions between the Mediterranean Outflow Water and the upper Cantabrian slope (North Iberian margin). Marine Geology, 2010, 274, 1-20.	0.9	82
11	Diagenetic formation of gypsum and dolomite in a cold-water coral mound in the Porcupine Seabight, off Ireland. Sedimentology, 2010, 57, 786-805.	1.6	70
12	Cold-water coral habitats in the Penmarc'h and Guilvinec Canyons (Bay of Biscay): Deep-water versus shallow-water settings. Marine Geology, 2011, 282, 40-52.	0.9	69
13	The Whittard Canyon â€“ A case study of submarine canyon processes. Progress in Oceanography, 2016, 146, 38-57.	1.5	68
14	Good neighbours shaped by vigorous currents: Cold-water coral mounds and contourites in the North Atlantic. Marine Geology, 2016, 378, 171-185.	0.9	66
15	Depositional characteristics and processes of alongslope currents related to a seamount on the northwestern margin of the Northwest Sub-Basin, South China Sea. Marine Geology, 2014, 355, 36-53.	0.9	64
16	Consistently dated Atlantic sediment cores over the last 40 thousand years. Scientific Data, 2019, 6, 165.	2.4	63
17	Oceanographic processes and morphosedimentary products along the Iberian margins: A new multidisciplinary approach. Marine Geology, 2016, 378, 127-156.	0.9	60
18	Finding the hotspots within a biodiversity hotspot: fineâ€scale biological predictions within a submarine canyon using highâ€resolution acoustic mapping techniques. Marine Ecology, 2015, 36, 1256-1276.	0.4	59

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19	Sediment dynamics and palaeo-environmental context at key stages in the Challenger cold-water coral mound formation: Clues from sediment deposits at the mound base. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 2263-2280.	0.6	58
20	Terrigenous fluxes at the Celtic margin during the last glacial cycle. Marine Geology, 2002, 188, 79-108.	0.9	57
21	Cold-water coral mounds on the Pen Duick Escarpment, Gulf of Cadiz: The MiCROSYSTEMS project approach. Marine Geology, 2011, 282, 102-117.	0.9	48
22	Deep-water sedimentary systems and their relationship with bottom currents at the intersection of Xisha Trough and Northwest Sub-Basin, South China Sea. Marine Geology, 2016, 378, 101-113.	0.9	48
23	Quaternary sediment dynamics in the Belgica mound province, Porcupine Seabight: ice-rafting events and contour current processes. International Journal of Earth Sciences, 2007, 96, 121-140.	0.9	45
24	The distribution of scleractinian corals in the Bay of Biscay, NE Atlantic. Facies, 2008, 54, 317-331.	0.7	44
25	Integrated stratigraphy and palaeoecology of the Lower and Middle Miocene of the Porcupine Basin. Geological Magazine, 2008, 145, 321-344.	0.9	36
26	Environmental setting of deep-water oysters in the Bay of Biscay. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1561-1572.	0.6	33
27	Fluid expulsion in terrestrial sedimentary basins: A process providing potential analogs for giant polygons and mounds in the martian lowlands. Icarus, 2013, 224, 424-432.	1.1	31
28	Carbonate mounds: From paradox to World Heritage. Marine Geology, 2014, 352, 89-110.	0.9	31
29	X-ray imagery and physical core logging as a proxy of the content of sediment cores in cold-water coral mound provinces: a case study from Porcupine Seabight, SW of Ireland. International Journal of Earth Sciences, 2007, 96, 141-158.	0.9	28
30	Decadal changes in the mid-depth water mass dynamic of the Northeastern Atlantic margin (Bay of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	26
31	Stratigraphy and paleoceanography of a topography-controlled contourite drift in the Pen Duick area, southern Gulf of CÃ¡diz. Marine Geology, 2014, 349, 136-151.	0.9	26
32	The Enya mounds: a lost mound-drift competition. International Journal of Earth Sciences, 2009, 98, 849-863.	0.9	25
33	Thousands of cold-water coral mounds along the Moroccan Atlantic continental margin: Distribution and morphometry. Marine Geology, 2019, 411, 51-61.	0.9	25
34	Pliocene to Recent shallow-water contourite deposits on the shelf and shelf edge off south-western Mallorca, Spain. Geo-Marine Letters, 2011, 31, 391-403.	0.5	24
35	An assessment of bottom current controlled sedimentation in Pacific Ocean abyssal environments. Marine Geology, 2018, 403, 20-33.	0.9	24
36	Bottom currents and their influence on the sedimentation pattern in the El Arraiche mud volcano province, southern Gulf of Cadiz. Marine Geology, 2016, 378, 114-126.	0.9	23

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37	Carbonate mounds and slope failures in the Porcupine Basin: a development model involving fluid venting. Geological Society Special Publication, 2001, 188, 375-383.	0.8	22
38	Deep-water Circulation: Processes & Products (16â€“18 June 2010, Baiona): introduction and future challenges. Geo-Marine Letters, 2011, 31, 285-300.	0.5	22
39	Unique authigenic mineral assemblages reveal different diagenetic histories in two neighbouring coldâ€water coral mounds on Pen Duick Escarpment, Gulf of Cadiz. Sedimentology, 2012, 59, 578-604.	1.6	22
40	Depositional characteristics and spatial distribution of deep-water sedimentary systems on the northwestern middle-lower slope of the Northwest Sub-Basin, South China Sea. Marine Geophysical Researches, 2013, 34, 239-257.	0.5	22
41	Multiple generations of buried cold-water coral mounds since the Early-Middle Pleistocene Transition in the Atlantic Moroccan Coral Province, southern Gulf of CÃ¡diz. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 485, 293-304.	1.0	22
42	South Atlantic intermediate water advances into the Northâ€east Atlantic with reduced Atlantic meridional overturning circulation during the last glacial period. Geochemistry, Geophysics, Geosystems, 2016, 17, 2336-2353.	1.0	21
43	Review of the late Quaternary stratigraphy of the northern Gulf of Cadiz continental margin: New insights into controlling factors and global implications. Earth-Science Reviews, 2019, 198, 102944.	4.0	20
44	Fingerprinting Northeast Atlantic water masses using neodymium isotopes. Geochimica Et Cosmochimica Acta, 2017, 210, 267-288.	1.6	19
45	Contourites along the Iberian continental margins: conceptual and economic implications. Geological Society Special Publication, 2020, 476, 403-436.	0.8	19
46	First sighting of active fluid venting in the Gulf of Cadiz. Eos, 2005, 86, 509.	0.1	18
47	Impact of bottom water currents on benthic foraminiferal assemblages in a cold-water coral environment: The Moira Mounds (NE Atlantic). Marine Micropaleontology, 2020, 154, 101799.	0.5	18
48	Cold-Water Coral Mound Archive Provides Unique Insights Into Intermediate Water Mass Dynamics in the Alboran Sea During the Last Deglaciation. Frontiers in Marine Science, 2020, 7, .	1.2	18
49	Small mounded contourite drifts associated with deep-water coral banks, Porcupine Seabight, NE Atlantic Ocean. Geological Society Special Publication, 2007, 276, 225-244.	0.8	17
50	Large-scale paleoceanographic variations in the western Mediterranean Sea during the last 34,000 years: From enhanced cold-water coral growth to declining mounds. Marine Micropaleontology, 2018, 143, 46-62.	0.5	16
51	The importance of the terrigenous fraction within a cold-water coral mound: A case study. Marine Geology, 2011, 282, 13-25.	0.9	15
52	Spatio-temporal evolution of sediment waves developed on the Gulf of Valencia margin (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	0.9	15
53	Deep-water corals of the northeastern Atlantic margin: carbonate mound evolution and upper intermediate water ventilation during the Holocene. , 2005, , 113-133.		14
54	Road-killed Common Toads (Bufo bufo) in Flanders (Belgium) Reveal Low Prevalence of Ranaviruses and Batrachochytrium dendrobatidis. Journal of Wildlife Diseases, 2012, 48, 835-839.	0.3	13

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55	Morphology of the last subaerial unconformity on a shelf: insights into transgressive ravinement and incised valley occurrence in the Gulf of CÃ¡diz. Geo-Marine Letters, 2018, 38, 33-45.	0.5	13
56	Seismic geomorphological reconstructions of Plio-Pleistocene bottom current variability at Goban Spur. Marine Geology, 2016, 378, 261-275.	0.9	12
57	Quantitative characterisation of contourite deposits using medical CT. Marine Geology, 2019, 417, 106003.	0.9	12
58	Glacio-eustatic variations and sapropel events as main controls on the Middle Pleistocene-Holocene evolution of the Cabliers Coral Mound Province (W Mediterranean). Quaternary Science Reviews, 2021, 253, 106783.	1.4	12
59	Depositional architecture and evolution of basin-floor fan systems since the Late Miocene in the Northwest Sub-Basin, South China Sea. Marine and Petroleum Geology, 2021, 126, 104803.	1.5	12
60	Sedimentary processes and cold-water coral mini-mounds at the Ferrol canyon head, NW Iberian margin. Progress in Oceanography, 2018, 169, 48-65.	1.5	11
61	Late Quaternary multi-genetic processes and products on the northern Gulf of Cadiz upper continental slope (SW Iberian Peninsula). Marine Geology, 2020, 427, 106214.	0.9	11
62	Large sediment waves over the Gulf of Roses upper continental slope (NW Mediterranean). Marine Geology, 2018, 399, 84-96.	0.9	10
63	Morphological features and associated bottom-current dynamics in the Le Danois Bank region (southern Bay of Biscay, NE Atlantic): A model in a topographically constrained small basin. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 149, 103054.	0.6	7
64	Networks of unusually large fossil periglacial polygons, Campine area, northern Belgium. Geomorphology, 2021, 377, 107582.	1.1	6
65	Sedimentary evolution of the Le Danois contourite drift systems (southern Bay of Biscay, NE Atlantic): A reconstruction of the Atlantic Mediterranean Water circulation since the Pliocene. Marine Geology, 2020, 427, 106217.	0.9	6
66	Combined control of bottom and turbidity currents on the origin and evolution of channel systems, examples from the Porcupine Seabight. Marine Geology, 2021, 442, 106639.	0.9	5
67	Constraining the formation of authigenic carbonates in a seepageâ€affected coldâ€water coral mound by lipid biomarkers. Geobiology, 2020, 18, 185-206.	1.1	4
68	Habitat Mapping of a Cold-Water Coral Mound on Pen Duick Escarpment (Gulf of Cadiz). , 2012, , 645-654.		3
69	Late Holocene current patterns in the northern Patagonian fjords recorded by sediment drifts in AysÃ©n Fjord. Marine Geology, 2021, 441, 106604.	0.9	1
70	SCHACKOINELLA SPINA, A NEW BENTHIC FORAMINIFERAL SPECIES FROM COLD-WATER CORAL ECOSYSTEMS OF THE ALBORAN SEA AND THE GULF OF CÃĐIZ. Journal of Foraminiferal Research, 2015, 45, 344-353.	0.1	0