

# David Van Rooij

## 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.

70  
papers

2,921  
citations

26  
h-index

53  
g-index

74  
ext. papers

3,401  
ext. citations

3.8  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
70	Contourites and associated sediments controlled by deep-water circulation processes: State-of-the-art and future considerations. <i>Marine Geology</i> , <b>2014</b> , 352, 111-154	3.3	458
69	Marine litter distribution and density in European seas, from the shelves to deep basins. <i>PLoS ONE</i> , <b>2014</b> , 9, e95839	3.7	364
68	Large deep-water coral banks in the Porcupine Basin, southwest of Ireland. <i>Marine Geology</i> , <b>2002</b> , 188, 193-231	3.3	237
67	Gas hydrate crystals may help build reefs. <i>Nature</i> , <b>1998</b> , 391, 648-649	50.4	118
66	Seismic evidence of current-controlled sedimentation in the Belgica mound province, upper Porcupine slope, southwest of Ireland. <i>Marine Geology</i> , <b>2003</b> , 195, 31-53	3.3	111
65	The El Arraiche mud volcano field at the Moroccan Atlantic slope, Gulf of Cadiz. <i>Marine Geology</i> , <b>2005</b> , 219, 1-17	3.3	104
64	Along-slope oceanographic processes and sedimentary products around the Iberian margin. <i>Geo-Marine Letters</i> , <b>2011</b> , 31, 315-341	1.9	88
63	Northeastern Atlantic cold-water coral reefs and climate. <i>Geology</i> , <b>2011</b> , 39, 743-746	5	72
62	The Le Danois Contourite Depositional System: Interactions between the Mediterranean Outflow Water and the upper Cantabrian slope (North Iberian margin). <i>Marine Geology</i> , <b>2010</b> , 274, 1-20	3.3	71
61	The Holocene occurrence of cold water corals in the NE Atlantic: Implications for coral carbonate mound evolution. <i>Marine Geology</i> , <b>2009</b> , 266, 129-142	3.3	70
60	Diagenetic formation of gypsum and dolomite in a cold-water coral mound in the Porcupine Seabight, off Ireland. <i>Sedimentology</i> , <b>2010</b> , 57, 786-805	3.3	60
59	Cold-water coral habitats in the Penmarc'h and Guilvinec Canyons (Bay of Biscay): Deep-water versus shallow-water settings. <i>Marine Geology</i> , <b>2011</b> , 282, 40-52	3.3	59
58	Terrigenous fluxes at the Celtic margin during the last glacial cycle. <i>Marine Geology</i> , <b>2002</b> , 188, 79-108	3.3	53
57	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. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2009</b> , 56, 2263-2280	2.5	49
56	The Whittard Canyon – A case study of submarine canyon processes. <i>Progress in Oceanography</i> , <b>2016</b> , 146, 38-57	3.8	48
55	Good neighbours shaped by vigorous currents: Cold-water coral mounds and contourites in the North Atlantic. <i>Marine Geology</i> , <b>2016</b> , 378, 171-185	3.3	48
54	Depositional characteristics and processes of alongslope currents related to a seamount on the northwestern margin of the Northwest Sub-Basin, South China Sea. <i>Marine Geology</i> , <b>2014</b> , 355, 36-53	3.3	47

53	Oceanographic processes and morphosedimentary products along the Iberian margins: A new multidisciplinary approach. <i>Marine Geology</i> , <b>2016</b> , 378, 127-156	3.3	46
52	The distribution of scleractinian corals in the Bay of Biscay, NE Atlantic. <i>Facies</i> , <b>2008</b> , 54, 317-331	1.8	42
51	Cold-water coral mounds on the Pen Duick Escarpment, Gulf of Cadiz: The MiCROSYSTEMS project approach. <i>Marine Geology</i> , <b>2011</b> , 282, 102-117	3.3	41
50	Finding the hotspots within a biodiversity hotspot: fine-scale biological predictions within a submarine canyon using high-resolution acoustic mapping techniques. <i>Marine Ecology</i> , <b>2015</b> , 36, 1256-1274	1.4	39
49	Quaternary sediment dynamics in the Belgica mound province, Porcupine Seabight: ice-rafting events and contour current processes. <i>International Journal of Earth Sciences</i> , <b>2007</b> , 96, 121-140	2.2	39
48	Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , <b>2019</b> , 6, 165	8.2	33
47	Deep-water sedimentary systems and their relationship with bottom currents at the intersection of Xisha Trough and Northwest Sub-Basin, South China Sea. <i>Marine Geology</i> , <b>2016</b> , 378, 101-113	3.3	33
46	Integrated stratigraphy and palaeoecology of the Lower and Middle Miocene of the Porcupine Basin. <i>Geological Magazine</i> , <b>2008</b> , 145, 321-344	2	28
45	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. <i>International Journal of Earth Sciences</i> , <b>2007</b> , 96, 141-158	2.2	27
44	Environmental setting of deep-water oysters in the Bay of Biscay. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2010</b> , 57, 1561-1572	2.5	26
43	Carbonate mounds: From paradox to World Heritage. <i>Marine Geology</i> , <b>2014</b> , 352, 89-110	3.3	25
42	Stratigraphy and paleoceanography of a topography-controlled contourite drift in the Pen Duick area, southern Gulf of Cádiz. <i>Marine Geology</i> , <b>2014</b> , 349, 136-151	3.3	24
41	The Enya mounds: a lost mound-drift competition. <i>International Journal of Earth Sciences</i> , <b>2009</b> , 98, 849-863	2.2	22
40	Pliocene to Recent shallow-water contourite deposits on the shelf and shelf edge off south-western Mallorca, Spain. <i>Geo-Marine Letters</i> , <b>2011</b> , 31, 391-403	1.9	21
39	An assessment of bottom current controlled sedimentation in Pacific Ocean abyssal environments. <i>Marine Geology</i> , <b>2018</b> , 403, 20-33	3.3	21
38	Fluid expulsion in terrestrial sedimentary basins: A process providing potential analogs for giant polygons and mounds in the martian lowlands. <i>Icarus</i> , <b>2013</b> , 224, 424-432	3.8	20
37	Decadal changes in the mid-depth water mass dynamic of the Northeastern Atlantic margin (Bay of Biscay). <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 364, 134-144	5.3	20
36	Unique authigenic mineral assemblages reveal different diagenetic histories in two neighbouring cold-water coral mounds on Pen Duick Escarpment, Gulf of Cadiz. <i>Sedimentology</i> , <b>2012</b> , 59, 578-604	3.3	20

35	Deep-water Circulation: Processes & Products (16-18 June 2010, Baiona): introduction and future challenges. <i>Geo-Marine Letters</i> , <b>2011</b> , 31, 285-300	1.9	20
34	Bottom currents and their influence on the sedimentation pattern in the El Arraiche mud volcano province, southern Gulf of Cadiz. <i>Marine Geology</i> , <b>2016</b> , 378, 114-126	3.3	19
33	Depositional characteristics and spatial distribution of deep-water sedimentary systems on the northwestern middle-lower slope of the Northwest Sub-Basin, South China Sea. <i>Marine Geophysical Researches</i> , <b>2013</b> , 34, 239-257	2.3	19
32	Carbonate mounds and slope failures in the Porcupine Basin: a development model involving fluid venting. <i>Geological Society Special Publication</i> , <b>2001</b> , 188, 375-383	1.7	18
31	First sighting of active fluid venting in the Gulf of Cadiz. <i>Eos</i> , <b>2005</b> , 86, 509	1.5	17
30	Fingerprinting Northeast Atlantic water masses using neodymium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 210, 267-288	5.5	14
29	Thousands of cold-water coral mounds along the Moroccan Atlantic continental margin: Distribution and morphometry. <i>Marine Geology</i> , <b>2019</b> , 411, 51-61	3.3	14
28	Multiple generations of buried cold-water coral mounds since the Early-Middle Pleistocene Transition in the Atlantic Moroccan Coral Province, southern Gulf of Cadiz. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2017</b> , 485, 293-304	2.9	14
27	South Atlantic intermediate water advances into the North-east Atlantic with reduced Atlantic meridional overturning circulation during the last glacial period. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2016</b> , 17, 2336-2353	3.6	14
26	Review of the late Quaternary stratigraphy of the northern Gulf of Cadiz continental margin: New insights into controlling factors and global implications. <i>Earth-Science Reviews</i> , <b>2019</b> , 198, 102944	10.2	13
25	Small mounded contourite drifts associated with deep-water coral banks, Porcupine Seabight, NE Atlantic Ocean. <i>Geological Society Special Publication</i> , <b>2007</b> , 276, 225-244	1.7	13
24	Spatio-temporal evolution of sediment waves developed on the Gulf of Valencia margin (NW Mediterranean) during the Plio-Quaternary. <i>Marine Geology</i> , <b>2016</b> , 378, 276-291	3.3	12
23	The importance of the terrigenous fraction within a cold-water coral mound: A case study. <i>Marine Geology</i> , <b>2011</b> , 282, 13-25	3.3	11
22	Road-killed common toads ( <i>Bufo bufo</i> ) in Flanders (Belgium) reveal low prevalence of ranaviruses and <i>Batrachochytrium dendrobatidis</i> . <i>Journal of Wildlife Diseases</i> , <b>2012</b> , 48, 835-9	1.3	11
21	Contourites along the Iberian continental margins: conceptual and economic implications. <i>Geological Society Special Publication</i> , <b>2020</b> , 476, 403-436	1.7	11
20	Morphology of the last subaerial unconformity on a shelf: insights into transgressive ravinement and incised valley occurrence in the Gulf of Cadiz. <i>Geo-Marine Letters</i> , <b>2018</b> , 38, 33-45	1.9	10
19	Sedimentary processes and cold-water coral mini-mounds at the Ferrol canyon head, NW Iberian margin. <i>Progress in Oceanography</i> , <b>2018</b> , 169, 48-65	3.8	10
18	Seismic geomorphological reconstructions of Plio-Pleistocene bottom current variability at Goban Spur. <i>Marine Geology</i> , <b>2016</b> , 378, 261-275	3.3	10

17	Deep-water corals of the northeastern Atlantic margin: carbonate mound evolution and upper intermediate water ventilation during the Holocene <b>2005</b> , 113-133		10
16	Late Quaternary multi-genetic processes and products on the northern Gulf of Cadiz upper continental slope (SW Iberian Peninsula). <i>Marine Geology</i> , <b>2020</b> , 427, 106214	3-3	9
15	Large sediment waves over the Gulf of Roses upper continental slope (NW Mediterranean). <i>Marine Geology</i> , <b>2018</b> , 399, 84-96	3-3	9
14	Large-scale paleoceanographic variations in the western Mediterranean Sea during the last 34,000 years: From enhanced cold-water coral growth to declining mounds. <i>Marine Micropaleontology</i> , <b>2018</b> , 143, 46-62	1-7	9
13	Quantitative characterisation of contourite deposits using medical CT. <i>Marine Geology</i> , <b>2019</b> , 417, 106003	3-3	8
12	Cold-Water Coral Mound Archive Provides Unique Insights Into Intermediate Water Mass Dynamics in the Alboran Sea During the Last Deglaciation. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4-5	7
11	Impact of bottom water currents on benthic foraminiferal assemblages in a cold-water coral environment: The Moira Mounds (NE Atlantic). <i>Marine Micropaleontology</i> , <b>2020</b> , 154, 101799	1-7	6
10	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. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2019</b> , 149, 103054	2-5	5
9	Depositional architecture and evolution of basin-floor fan systems since the Late Miocene in the Northwest Sub-Basin, South China Sea. <i>Marine and Petroleum Geology</i> , <b>2021</b> , 126, 104803	4-7	4
8	Glacio-eustatic variations and sapropel events as main controls on the Middle Pleistocene-Holocene evolution of the Cabliers Coral Mound Province (W Mediterranean). <i>Quaternary Science Reviews</i> , <b>2021</b> , 253, 106783	3-9	4
7	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. <i>Marine Geology</i> , <b>2020</b> , 427, 106217	3-3	3
6	Networks of unusually large fossil periglacial polygons, Campine area, northern Belgium. <i>Geomorphology</i> , <b>2021</b> , 377, 107582	4-3	2
5	Habitat Mapping of a Cold-Water Coral Mound on Pen Duick Escarpment (Gulf of Cadiz) <b>2012</b> , 645-654		1
4	Combined control of bottom and turbidity currents on the origin and evolution of channel systems, examples from the Porcupine Seabight. <i>Marine Geology</i> , <b>2021</b> , 442, 106639	3-3	1
3	Constraining the formation of authigenic carbonates in a seepage-affected cold-water coral mound by lipid biomarkers. <i>Geobiology</i> , <b>2020</b> , 18, 185-206	4-3	0
2	SCHACKOINELLA SPINA, A NEW BENTHIC FORAMINIFERAL SPECIES FROM COLD-WATER CORAL ECOSYSTEMS OF THE ALBORAN SEA AND THE GULF OF CDIZ. <i>Journal of Foraminiferal Research</i> , <b>2015</b> , 45, 344-353	1-1	
1	Late Holocene current patterns in the northern Patagonian fjords recorded by sediment drifts in Ays� Fjord. <i>Marine Geology</i> , <b>2021</b> , 441, 106604	3-3	