

Jorge Guillen

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92 papers	2,828 citations	32 h-index	51 g-index
95 ext. papers	3,079 ext. citations	3.3 avg, IF	4.8 L-index

#	Paper	IF	Citations
92	Suspended sediment fluxes and transport processes in the Gulf of Lions submarine canyons. The role of storms and dense water cascading. <i>Marine Geology</i> , 2006 , 234, 43-61	3.3	208
91	Impact of bottom trawling on water turbidity and muddy sediment of an unfished continental shelf. <i>Limnology and Oceanography</i> , 2001 , 46, 1100-1110	4.8	125
90	Seasonal changes of water mass structure and shelf slope exchanges at the Ebro Shelf (NW Mediterranean). <i>Continental Shelf Research</i> , 2002 , 22, 327-348	2.4	105
89	Sediment dynamics during wet and dry storm events on the T ₁ inner shelf (SW Gulf of Lions). <i>Marine Geology</i> , 2006 , 234, 129-142	3.3	101
88	Shoreline dynamics and beach rotation of artificial embayed beaches. <i>Marine Geology</i> , 2008 , 253, 51-62	3.3	99
87	General patterns of circulation, sediment fluxes and ecology of the Palamós (La Fonera) submarine canyon, northwestern Mediterranean. <i>Progress in Oceanography</i> , 2005 , 66, 89-119	3.8	91
86	Role of internal waves in the generation of nepheloid layers on the northwestern Alboran slope: Implications for continental margin shaping. <i>Journal of Geophysical Research</i> , 2004 , 109,		82
85	Evidence of sediment gravity flows induced by trawling in the Palamós (Fonera) submarine canyon (northwestern Mediterranean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006 , 53, 201-214	2.5	80
84	Sediment dynamics and hydrodynamics in the lower course of a river highly regulated by dams: the Ebro River. <i>Sedimentology</i> , 1992 , 39, 567-579	3.3	80
83	A historical perspective of the morphological evolution in the lower Ebro river. <i>Environmental Geology</i> , 1997 , 30, 174-180		74
82	Near-bottom suspended sediment variability caused by storms and near-inertial internal waves on the Ebro mid continental shelf (NW Mediterranean). <i>Marine Geology</i> , 2001 , 178, 81-93	3.3	73
81	Storm-driven shelf-to-canyon suspended sediment transport at the southwestern Gulf of Lions. <i>Continental Shelf Research</i> , 2008 , 28, 1947-1956	2.4	72
80	Deep slope currents and suspended particle fluxes in and around the Foix submarine canyon (NW Mediterranean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2000 , 47, 343-366	2.5	71
79	Fine-grained sediment dynamics during a strong storm event in the inner-shelf of the Gulf of Lion (NW Mediterranean). <i>Continental Shelf Research</i> , 2005 , 25, 2410-2427	2.4	68
78	Near-bottom suspended sediment fluxes on the microtidal low-energy Ebro continental shelf (NW Mediterranean). <i>Continental Shelf Research</i> , 2002 , 22, 285-303	2.4	66
77	Storm-induced damages along the Catalan coast (NW Mediterranean) during the period 1958-2008. <i>Geomorphology</i> , 2012 , 143-144, 24-33	4.3	64
76	Field calibration of optical sensors for measuring suspended sediment concentration in the western Mediterranean. <i>Scientia Marina</i> , 2000 , 64, 427-435	1.8	62

75	The new Seafloor Observatory (OBSEA) for remote and long-term coastal ecosystem monitoring. <i>Sensors</i> , 2011 , 11, 5850-72	3.8	60
74	Effects of bottom trawling on the Ebro continental shelf sedimentary system (NW Mediterranean). <i>Continental Shelf Research</i> , 2014 , 72, 83-98	2.4	54
73	Sediment accumulation rates and carbon fluxes to bottom sediments at the Western Bransfield Strait (Antarctica). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 921-933	2.3	53
72	Shoreline evolution of the Holland coast on a decadal scale. <i>Earth Surface Processes and Landforms</i> , 1999 , 24, 517-536	3.7	49
71	Sediment transport processes from the topset to the foreset of a crenulated clinoform (Adriatic Sea). <i>Continental Shelf Research</i> , 2007 , 27, 452-474	2.4	48
70	Studies on dinoflagellate cyst assemblages in two estuarine Mediterranean bays: A useful tool for the discovery and mapping of harmful algal species. <i>Harmful Algae</i> , 2013 , 24, 65-79	5.3	47
69	Morphobathymetric analysis of the large fine-grained sediment waves over the Gulf of Valencia continental slope (NW Mediterranean). <i>Geomorphology</i> , 2016 , 253, 22-37	4.3	46
68	Morpho-structure and sedimentology of the Holocene Ebro prodelta mud belt (northwestern Mediterranean Sea). <i>Continental Shelf Research</i> , 1996 , 16, 435-456	2.4	46
67	The Equilibrium Distribution of grain size fractions and its implications for cross-shore sediment transport: a conceptual model. <i>Marine Geology</i> , 1996 , 135, 15-33	3.3	43
66	Planview Geometry and morphological characteristics of pocket beaches on the Catalan coast (Spain). <i>Geomorphology</i> , 2009 , 108, 191-199	4.3	40
65	Morphodynamic response of a two-barred beach to a shoreface nourishment. <i>Coastal Engineering</i> , 2008 , 55, 1185-1196	4.8	40
64	Sediment resuspension across a microtidal, low-energy inner shelf. <i>Continental Shelf Research</i> , 2002 , 22, 305-325	2.4	38
63	Long-Term Quantification of Beach Users Using Video Monitoring. <i>Journal of Coastal Research</i> , 2008 , 246, 1612-1619	0.6	37
62	Massive accumulation of highly polluted sedimentary deposits by river damming. <i>Science of the Total Environment</i> , 2014 , 497-498, 369-381	10.2	35
61	Sedimentation of biogenic constituents during the last century in western Bransfield and Gerlache Straits, Antarctica: a relation to currents, primary production, and sea floor relief. <i>Marine Geology</i> , 2004 , 209, 265-277	3.3	32
60	Dynamics of single-barred embayed beaches. <i>Marine Geology</i> , 2011 , 280, 76-90	3.3	30
59	Dynamics of suprabenthos off the Ebro Delta (Catalan Sea: western Mediterranean): Spatial 13 and temporal patterns and relationships with environmental factors. <i>Estuarine, Coastal and Shelf Science</i> , 2007 , 75, 501-515	2.9	30
58	On the use of variance images for runup and shoreline detection. <i>Coastal Engineering</i> , 2015 , 99, 136-147	4.8	29

57	Large-scale bedforms along a tideless outer shelf setting in the western Mediterranean. <i>Continental Shelf Research</i> , 2010 , 30, 1802-1813	2.4	28
56	Sediment Distribution in the Nearshore Zone: Grain Size Evolution in Response to Shoreface Nourishment (Island of Terschelling, The Netherlands). <i>Estuarine, Coastal and Shelf Science</i> , 1997 , 45, 639-652	2.9	27
55	Sediment dynamics over sand ridges on a tideless mid-outer continental shelf. <i>Marine Geology</i> , 2015 , 361, 25-40	3.3	25
54	Assessing the Suitability of Video Imaging for Studying the Dynamics of Nearshore Sandbars in Tideless Beaches. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010 , 48, 2482-2497	8.1	25
53	ULISES: An Open Source Code for Extrinsic Calibrations and Planview Generations in Coastal Video Monitoring Systems. <i>Journal of Coastal Research</i> , 2017 , 335, 1217-1227	0.6	24
52	Submarine canyon-head morphologies and inferred sediment transport processes in the Alàs-Almanzora canyon system (SW Mediterranean): On the role of the sediment supply. <i>Marine Geology</i> , 2017 , 393, 21-34	3.3	23
51	Sediment accumulation rates and carbon burial in the bottom sediment in a high-productivity area: Gerlache Strait (Antarctica). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 3275-3287	2.3	23
50	Water and sediment fluxes on the Ebro Delta shoreface: on the role of low frequency currents. <i>Marine Geology</i> , 1999 , 157, 219-239	3.3	23
49	Zinc contamination in the bottom and suspended sediments of the Guadalquivir estuary after the Aznalcollar spill (south-western Spain). Control of hydrodynamic processes. <i>Science of the Total Environment</i> , 1999 , 242, 211-220	10.2	23
48	Short- and medium-term grain size changes in deltaic beaches (Ebro Delta, NW Mediterranean). <i>Sedimentary Geology</i> , 1996 , 101, 55-67	2.8	22
47	Longshore bar and trough systems in a microtidal, storm-wave dominated coast: The Ebro Delta (Northwestern Mediterranean). <i>Marine Geology</i> , 1993 , 115, 239-252	3.3	22
46	Storm-induced readjustment of an embayed beach after modification by protection works. <i>Geo-Marine Letters</i> , 2013 , 33, 159-172	1.9	21
45	Decline of trace metal pollution in the bottom sediments of the Barcelona City continental shelf (NW Mediterranean). <i>Science of the Total Environment</i> , 2017 , 579, 755-767	10.2	20
44	Effects of storm events on the shelf-to-basin sediment transport in the southwestern end of the Gulf of Lions (Northwestern Mediterranean). <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 843-850	3.0	18
43	Morphological changes, beach inundation and overwash caused by an extreme storm on a low-lying embayed beach bounded by a dune system (NW Mediterranean). <i>Geomorphology</i> , 2016 , 274, 129-142	4.3	18
42	Environmental conditions for gravelly and pebbly dunes and sorted bedforms on a moderate-energy inner shelf (Marettimo Island, Italy, western Mediterranean). <i>Continental Shelf Research</i> , 2008 , 28, 245-256	2.4	17
41	Alteration of bottom roughness by benthic organisms in a sandy coastal environment. <i>Continental Shelf Research</i> , 2008 , 28, 2382-2392	2.4	17
40	Comment on the article Morphodynamic classification of sandy beaches in low energetic marine environment by Gñez-Pujol, L., Orfila, A., Caëllas, B., Alvarez-Ellacuria, A., Mñdez, F.J., Medina, R. and TintorçJ. <i>Marine Geology</i> , 242, pp. 235-246, 2007. <i>Marine Geology</i> , 2008 , 255, 96-101	3.3	16

39	Downward particle fluxes and sediment accumulation rates in the western Bransfield Strait: Implications of lateral transport for carbon cycle studies in Antarctic marginal seas. <i>Journal of Marine Research</i> , 2002 , 60, 347-365	1.5	16
38	Formation of fine sediment deposit from a flash flood river in the Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 5837-5853	3.3	15
37	Fluxes and composition of settling particles during summer in an Antarctic shallow bay of Livingston Island, South Shetlands. <i>Polar Biology</i> , 2001 , 24, 670-676	2	15
36	Formation, evolution and present-day activity of offshore sand ridges on a narrow, tideless continental shelf with limited sediment supply. <i>Marine Geology</i> , 2018 , 397, 93-107	3.3	14
35	The Systems Approach Framework as a Complementary Methodology of Adaptive Management: a Case Study in the Urban Beaches of Barcelona. <i>Ecology and Society</i> , 2011 , 16,	4.1	10
34	Large sediment waves over the Gulf of Roses upper continental slope (NW Mediterranean). <i>Marine Geology</i> , 2018 , 399, 84-96	3.3	9
33	Bidirectional bedform fields at the head of a submarine canyon (NE Atlantic). <i>Earth and Planetary Science Letters</i> , 2020 , 542, 116321	5.3	8
32	Mixing dynamics on the inner shelf of the Ebro Delta. <i>Scientia Marina</i> , 2012 , 76, 31-43	1.8	7
31	The morphodynamic responses of artificial embayed beaches to storm events. <i>Advances in Geosciences</i> , 2016 , 26, 99-103		7
30	Coastal oceanographic signatures of heat waves and extreme events of dense water formation during the period 2002-2012 (Barcelona, NW Mediterranean). <i>Scientia Marina</i> , 2018 , 82, 189	1.8	6
29	Distribution and sources of organic matter in size-fractionated nearshore sediments off the Barcelona city (NW Mediterranean). <i>Estuarine, Coastal and Shelf Science</i> , 2017 , 189, 267-280	2.9	5
28	Characterization of bottom sediment resuspension events observed in a micro-tidal bay. <i>Ocean Science</i> , 2019 , 15, 307-319	4	5
27	Contemporary genesis of sand ridges in a tideless erosional shoreface. <i>Marine Geology</i> , 2018 , 395, 219-233	3.3	5
26	Seasonal sediment dynamics on the Barcelona inner shelf (NW Mediterranean): A small Mediterranean river- and wave-dominated system. <i>Continental Shelf Research</i> , 2017 , 145, 80-94	2.4	4
25	Trace metal variability controlled by hydrodynamic processes in a polluted inner shelf environment (Besòs prodelta, NW Mediterranean). <i>Science of the Total Environment</i> , 2020 , 735, 139482	10.2	3
24	SAND RIDGES IN THE MID-OUTER SHELF AS POTENTIAL SAND BORROWS AREAS (NW MEDITERRANEAN) 2015 ,		3
23	Influence of benthic boundary layer dynamics on wind-induced currents in the Ebro delta inner shelf. <i>Journal of Geophysical Research</i> , 2002 , 107, 7-1		3
22	Camera Calibration for Coastal Monitoring Using Available Snapshot Images. <i>Remote Sensing</i> , 2020 , 12, 1840	5	2

21	Bio and Anthropogenic Disturbance of Macrofaunal Communities Settled on Subaqueous Dunes on the Mar Menor Continental Shelf (Western Mediterranean) 2017 , 215-219		2
20	Comment on Wave climate, sediment supply and the depth of the sand/shud transition: A global survey by D.A. George and P.S. Hill [Marine Geology 254 (2008) 121–128]. <i>Marine Geology</i> , 2009 , 264, 258-261	3.3	2
19	Bottom Sediment Variability in the Active Layer of the Inner Shelf off the Ebro Delta. <i>Journal of Coastal Research</i> , 2005 , 213, 482-496	0.6	2
18	Subaqueous Dunes Over Sand Ridges on the Murcia Outer Shelf 2017 , 187-192		2
17	Continental Shelf Landforms. <i>Springer Geology</i> , 2018 , 185-206	0.8	2
16	Dynamics of ripples superimposed on a sand ridge on a tideless shoreface. <i>Estuarine, Coastal and Shelf Science</i> , 2020 , 242, 106826	2.9	1
15	Large Sediment Waves Over the Gulf of Roses Continental Slope (NW Mediterranean) 2017 , 259-264		1
14	Benthic Communities on Shallow Sedimentary Bottoms in the Western Mediterranean 2017 , 199-206		1
13	Contemporary Subaqueous Dune Field Development Over an Abandoned River Mouth (Ebro Delta) 2017 , 89-93		1
12	Near-bottom sediment dynamics on highly-protected beaches 2012 ,		1
11	Characterization of Benthic Communities in a Subaqueous Dune Field on the Continental Shelf (Mar Menor, Western Mediterranean) 2017 , 207-214		1
10	Sorted Bedforms Developed on Sandy Deposits Derived from Small Ephemeral Streams (Catalan Continental Shelf) 2017 , 127-133		1
9	The Use of News Information Published in Newspapers to Estimate the Impact of Coastal Storms at a Regional Scale. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 497	2.4	1
8	Small-scale bedforms and associated sediment transport in a macro-tidal lower shoreface. <i>Continental Shelf Research</i> , 2021 , 225, 104483	2.4	1
7	The role of bathymetry and directional wave conditions on observed crescentic bar dynamics. <i>Earth Surface Processes and Landforms</i> ,	3.7	1
6	Sediment characteristics and internal architecture of offshore sand ridges on a tideless continental shelf (western Mediterranean). <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 3592-3606	3.7	0
5	Effects of long-lasting massive dumping of dredged material on bottom sediment and water turbidity during port expansion works. <i>Ocean and Coastal Management</i> , 2022 , 223, 106113	3.9	0
4	Sorted Bedforms Along the Egadi Islands Continental Shelf (Southern Tyrrhenian) 2017 , 121-126		

3 Sand Ridges on the Mid-Outer Valencia Continental Shelf **2017**, 173-177

2 Large-Scale Fine-Grained Sediment Waves Over the Gulf of Valencia Continental Slope (NW Mediterranean) **2017**, 265-271

1 SEDIMENT TRANSPORT AND DISPERSAL IN THE NEARSHORE OF FLASH-FLOOD RIVERS.. *Coastal Engineering Proceedings*, **2015**, 1, 51

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