Jorge Guillen

List of Publications by Year
in descending order

93 papers	3,369 citations	117619 34 h-index	149686 56 g-index
95 all docs	95 docs citations	95 times ranked	3172 citing authors

#	Article	IF	Citations
1	Suspended sediment fluxes and transport processes in the Gulf of Lions submarine canyons. The role of storms and dense water cascading. Marine Geology, 2006, 234, 43-61.	2.1	237
2	Impact of bottom trawling on water turbidity and muddy sediment of an unfished continental shelf. Limnology and Oceanography, 2001, 46, 1100-1110.	3.1	150
3	Seasonal changes of water mass structure and shelf slope exchanges at the Ebro Shelf (NW) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.8	126
4	Shoreline dynamics and beach rotation of artificial embayed beaches. Marine Geology, 2008, 253, 51-62.	2.1	117
5	Sediment dynamics during wet and dry storm events on the TÃ³t inner shelf (SW Gulf of Lions). Marine Geology, 2006, 234, 129-142.	2.1	116
6	General patterns of circulation, sediment fluxes and ecology of the PalamÃ³s (La Fonera) submarine canyon, northwestern Mediterranean. Progress in Oceanography, 2005, 66, 89-119.	3.2	101
7	Role of internal waves in the generation of nepheloid layers on the northwestern Alboran slope: Implications for continental margin shaping. Journal of Geophysical Research, 2004, 109, .	3.3	99
8	Evidence of sediment gravity flows induced by trawling in the PalamÃ³s (Fonera) submarine canyon (northwestern Mediterranean). Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 201-214.	1.4	94
9	Sediment dynamics and hydrodynamics in the lower course of a river highly regulated by dams: the Ebro River. Sedimentology, 1992, 39, 567-579.	3.1	92
10	A historical perspective of the morphological evolution in the lower Ebro river. Environmental Geology, 1997, 30, 174-180.	1.2	86
11	Storm-driven shelf-to-canyon suspended sediment transport at the southwestern Gulf of Lions. Continental Shelf Research, 2008, 28, 1947-1956.	1.8	86
12	Deep slope currents and suspended particle fluxes in and around the Foix submarine canyon (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	81
13	Near-bottom suspended sediment variability caused by storms and near-inertial internal waves on the Ebro mid continental shelf (NW Mediterranean). Marine Geology, 2001, 178, 81-93.	2.1	80
14	Storm-induced damages along the Catalan coast (NW Mediterranean) during the period 1958â€“2008. Geomorphology, 2012, 143-144, 24-33.	2.6	80
15	Near-bottom suspended sediment fluxes on the microtidal low-energy Ebro continental shelf (NW) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	76
16	Field calibration of optical sensors for measuring suspended sediment concentration in the western Mediterranean. Scientia Marina, 2000, 64, 427-435.	0.6	75
17	Fine-grained sediment dynamics during a strong storm event in the inner-shelf of the Gulf of Lion (NW) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	73
18	The New Seafloor Observatory (OBSEA) for Remote and Long-Term Coastal Ecosystem Monitoring. Sensors, 2011, 11, 5850-5872.	3.8	73

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19	Effects of bottom trawling on the Ebro continental shelf sedimentary system (NW Mediterranean). Continental Shelf Research, 2014, 72, 83-98.	1.8	69
20	The â€œequilibriumâ€•distribution of grain size fractions and its implications for cross-shore sediment transport: a conceptual model. Marine Geology, 1996, 135, 15-33.	2.1	61
21	Sediment accumulation rates and carbon fluxes to bottom sediments at the Western Bransfield Strait (Antarctica). Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 921-933.	1.4	61
22	Shoreline evolution of the Holland coast on a decadal scale. Earth Surface Processes and Landforms, 1999, 24, 517-536.	2.5	57
23	Morphodynamic response of a two-barred beach to a shoreface nourishment. Coastal Engineering, 2008, 55, 1185-1196.	4.0	56
24	Sediment transport processes from the topset to the foreset of a crenulated clinoform (Adriatic Sea). Continental Shelf Research, 2007, 27, 452-474.	1.8	55
25	Planview Geometry and morphological characteristics of pocket beaches on the Catalan coast (Spain). Geomorphology, 2009, 108, 191-199.	2.6	55
26	Studies on dinoflagellate cyst assemblages in two estuarine Mediterranean bays: A useful tool for the discovery and mapping of harmful algal species. Harmful Algae, 2013, 24, 65-79.	4.8	55
27	Morphobathymetric analysis of the large fine-grained sediment waves over the Gulf of Valencia continental slope (NW Mediterranean). Geomorphology, 2016, 253, 22-37.	2.6	55
28	Morpho-structure and sedimentology of the Holocene Ebro prodelta mud belt (northwestern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.8	53
29	Dynamics of single-barred embayed beaches. Marine Geology, 2011, 280, 76-90.	2.1	48
30	Sediment resuspension across a microtidal, low-energy inner shelf. Continental Shelf Research, 2002, 22, 305-325.	1.8	47
31	Long-Term Quantification of Beach Users Using Video Monitoring. Journal of Coastal Research, 2008, 246, 1612-1619.	0.3	42
32	Massive accumulation of highly polluted sedimentary deposits by river damming. Science of the Total Environment, 2014, 497-498, 369-381.	8.0	39
33	ULISES: An Open Source Code for Extrinsic Calibrations and Planview Generations in Coastal Video Monitoring Systems. Journal of Coastal Research, 2017, 335, 1217-1227.	0.3	38
34	Sediment Distribution in the Nearshore Zone: Grain Size Evolution in Response to Shoreface Nourishment (Island of Terschelling, The Netherlands). Estuarine, Coastal and Shelf Science, 1997, 45, 639-652.	2.1	34
35	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. Marine Geology, 2004, 209, 265-277.	2.1	34
36	On the use of variance images for runup and shoreline detection. Coastal Engineering, 2015, 99, 136-147.	4.0	34

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37	Submarine canyon-head morphologies and inferred sediment transport processes in the AlÃas-Almanzora canyon system (SW Mediterranean): On the role of the sediment supply. Marine Geology, 2017, 393, 21-34.	2.1	33
38	Dynamics of suprabenthos off the Ebro Delta (Catalan Sea: western Mediterranean): Spatial 13 and temporal patterns and relationships with environmental factors. Estuarine, Coastal and Shelf Science, 2007, 75, 501-515.	2.1	32
39	Large-scale bedforms along a tideless outer shelf setting in the western Mediterranean. Continental Shelf Research, 2010, 30, 1802-1813.	1.8	29
40	Longshore bar and trough systems in a microtidal, storm-wave dominated coast: The Ebro Delta (Northwestern Mediterranean). Marine Geology, 1993, 115, 239-252.	2.1	28
41	Sediment accumulation rates and carbon burial in the bottom sediment in a high-productivity area: Gerlache Strait (Antarctica). Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 3275-3287.	1.4	28
42	Assessing the Suitability of Video Imaging for Studying the Dynamics of Nearshore Sandbars in Tideless Beaches. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2482-2497.	6.3	27
43	Short- and medium-term grain size changes in deltaic beaches (Ebro Delta, NW Mediterranean). Sedimentary Geology, 1996, 101, 55-67.	2.1	26
44	Sediment dynamics over sand ridges on a tideless mid-outer continental shelf. Marine Geology, 2015, 361, 25-40.	2.1	26
45	Water and sediment fluxes on the Ebro Delta shoreface: on the role of low frequency currents. Marine Geology, 1999, 157, 219-239.	2.1	25
46	Zinc contamination in the bottom and suspended sediments of the Guadalquivir estuary after the Aznalcollar spill (south-western Spain). Control of hydrodynamic processes. Science of the Total Environment, 1999, 242, 211-220.	8.0	25
47	Storm-induced readjustment of an embayed beach after modification by protection works. Geo-Marine Letters, 2013, 33, 159-172.	1.1	25
48	Morphological changes, beach inundation and overwash caused by an extreme storm on a low-lying embayed beach bounded by a dune system (NW Mediterranean). Geomorphology, 2016, 274, 129-142.	2.6	23
49	Effects of storm events on the shelf-to-basin sediment transport in the southwestern end of the Gulf of Lions (Northwestern Mediterranean). Natural Hazards and Earth System Sciences, 2011, 11, 843-850.	3.6	21
50	Decline of trace metal pollution in the bottom sediments of the Barcelona City continental shelf (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.0	21
51	Environmental conditions for gravelly and pebbly dunes and sorted bedforms on a moderate-energy inner shelf (Marettimo Island, Italy, western Mediterranean). Continental Shelf Research, 2008, 28, 245-256.	1.8	20
52	Alteration of bottom roughness by benthic organisms in a sandy coastal environment. Continental Shelf Research, 2008, 28, 2382-2392.	1.8	20
53	Downward particle fluxes and sediment accumulation rates in the western Bransfield Strait: Implications of lateral transport for carbon cycle studies in Antarctic marginal seas. Journal of Marine Research, 2002, 60, 347-365.	0.3	19
54	Formation of fine sediment deposit from a flash flood river in the <scp>M</scp>editerranean <scp>S</scp>ea. Journal of Geophysical Research: Oceans, 2014, 119, 5837-5853.	2.6	17

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55	Comment on the article â€œMorphodynamic classification of sandy beaches in low energetic marine environmentâ€•by GÃ³mez-Pujol, L., Orfila, A., CaÃ±ellas, B., Alvarez-Ellacuria, A., MÃ©ndez, F.J., Medina, R. and TintorÃ©, J. Marine Geology, 242, pp. 235â€“246, 2007. Marine Geology, 2008, 255, 96-101.	2.1	16
56	Fluxes and composition of settling particles during summer in an Antarctic shallow bay of Livingston Island, South Shetlands. Polar Biology, 2001, 24, 670-676.	1.2	15
57	Formation, evolution and present-day activity of offshore sand ridges on a narrow, tideless continental shelf with limited sediment supply. Marine Geology, 2018, 397, 93-107.	2.1	14
58	Bidirectional bedform fields at the head of a submarine canyon (NE Atlantic). Earth and Planetary Science Letters, 2020, 542, 116321.	4.4	12
59	The Systems Approach Framework as a Complementary Methodology of Adaptive Management: a Case Study in the Urban Beaches of Barcelona. Ecology and Society, 2011, 16, .	2.3	10
60	Distribution and sources of organic matter in size-fractionated nearshore sediments off the Barcelona city (NW Mediterranean). Estuarine, Coastal and Shelf Science, 2017, 189, 267-280.	2.1	10
61	Large sediment waves over the Gulf of Roses upper continental slope (NW Mediterranean). Marine Geology, 2018, 399, 84-96.	2.1	10
62	Coastal oceanographic signatures of heat waves and extreme events of dense water formation during the period 2002-2012 (Barcelona, NW Mediterranean). Scientia Marina, 2018, 82, 189.	0.6	9
63	The morphodynamic responses of artificial embayed beaches to storm events. Advances in Geosciences, 0, 26, 99-103.	12.0	9
64	Contemporary genesis of sand ridges in a tideless erosional shoreface. Marine Geology, 2018, 395, 219-233.	2.1	7
65	Mixing dynamics on the inner shelf of the Ebro Delta. Scientia Marina, 2012, 76, 31-43.	0.6	7
66	Characterization of bottom sediment resuspension events observed in a micro-tidal bay. Ocean Science, 2019, 15, 307-319.	3.4	6
67	Camera Calibration for Coastal Monitoring Using Available Snapshot Images. Remote Sensing, 2020, 12, 1840.	4.0	6
68	Seasonal sediment dynamics on the Barcelona inner shelf (NW Mediterranean): A small Mediterranean river- and wave-dominated system. Continental Shelf Research, 2017, 145, 80-94.	1.8	5
69	Trace metal variability controlled by hydrodynamic processes in a polluted inner shelf environment (BesÃ²s prodelta, NW Mediterranean). Science of the Total Environment, 2020, 735, 139482.	8.0	5
70	The role of bathymetry and directional wave conditions on observed crescentic bar dynamics. Earth Surface Processes and Landforms, 2021, 46, 3252-3270.	2.5	5
71	Effects of long-lasting massive dumping of dredged material on bottom sediment and water turbidity during port expansion works. Ocean and Coastal Management, 2022, 223, 106113.	4.4	5
72	Influence of benthic boundary layer dynamics on wind-induced currents in the Ebro delta inner shelf. Journal of Geophysical Research, 2002, 107, 7-1.	3.3	4

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73	Bio and Anthropogenic Disturbance of MaÃ«rl Communities Settled on Subaqueous Dunes on the Mar Menor Continental Shelf (Western Mediterranean). , 2017, , 215-219.		4
74	Bottom Sediment Variability in the Active Layer of the Inner Shelf off the Ebro Delta. Journal of Coastal Research, 2005, 213, 482-496.	0.3	3
75	SAND RIDGES IN THE MID-OUTER SHELF AS POTENTIAL SAND BORROWS AREAS (NW MEDITERRANEAN). , 2015, , .		3
76	Dynamics of ripples superimposed on a sand ridge on a tideless shoreface. Estuarine, Coastal and Shelf Science, 2020, 242, 106826.	2.1	3
77	The Use of News Information Published in Newspapers to Estimate the Impact of Coastal Storms at a Regional Scale. Journal of Marine Science and Engineering, 2021, 9, 497.	2.6	3
78	Small-scale bedforms and associated sediment transport in a macro-tidal lower shoreface. Continental Shelf Research, 2021, 225, 104483.	1.8	3
79	Comment on â€œWave climate, sediment supply and the depth of the sandâ€“mud transition: A global surveyâ€•by D.A. George and P.S. Hill [Marine Geology 254 (2008) 121â€“128]. Marine Geology, 2009, 264, 258-261.	2.1	2
80	Monitoring sediment dynamics at the boundary between the coastal zone and the continental shelf. , 2011, , .		2
81	Subaqueous Dunes Over Sand Ridges on the Murcia Outer Shelf. , 2017, , 187-192.		2
82	Continental Shelf Landforms. Springer Geology, 2018, , 185-206.	0.3	2
83	Near-bottom sediment dynamics on highly-protected beaches. , 2012, , .		1
84	Large Sediment Waves Over the Gulf of Roses Continental Slope (NW Mediterranean). , 2017, , 259-264.		1
85	Benthic Communities on Shallow Sedimentary Bottoms in the Western Mediterranean. , 2017, , 199-206.		1
86	Contemporary Subaqueous Dune Field Development Over an Abandoned River Mouth (Ebro Delta). , 2017, , 89-93.		1
87	Sediment characteristics and internal architecture of offshore sand ridges on a tideless continental shelf (western Mediterranean). Earth Surface Processes and Landforms, 2020, 45, 3592-3606.	2.5	1
88	Characterization of Benthic Communities in a Subaqueous Dune Field on the Continental Shelf (Mar) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		1
89	Sorted Bedforms Developed on Sandy Deposits Derived from Small Ephemeral Streams (Catalan) Tj ETQq1 1 0.784314 rgBT /Overlock		1
90	SEDIMENT TRANSPORT AND DISPERSAL IN THE NEARSHORE OF â€œFLASH-FLOODâ€•RIVERS.. Coastal Engineering Proceedings, 2015, 1, 51.	0.1	0

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91	Characterization of coastal upwelling events during the generation of the water column stratification in spring (Vilanova i la Geltrú, NW Mediterranean). , 2015, , .		0
92	Sorted Bedforms Along the Egadi Islands Continental Shelf (Southern Tyrrhenian). , 2017, , 121-126.		0
93	Large-Scale Fine-Grained Sediment Waves Over the Gulf of Valencia Continental Slope (NW) Tj ETQq1 1 0.784314 rgBT /Overlock 10		0