

Miguel Ortega-Sánchez

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

1,464
citations

257357

24
h-index

360920

35
g-index

111
all docs

111
docs citations

111
times ranked

1199
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridge-piling modifications on tidal flows in an estuary. Coastal Engineering, 2022, 173, 104093.	1.7	3
2	The Role of Waves and Heat Exchange in the Hydrodynamics of Multi-Basin Bays: The Example of Cádiz Bay (Southern Spain). Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016346.	1.0	8
3	Non-tidal superinertial internal waves in a short microtidal submarine canyon. Regional Studies in Marine Science, 2021, 44, 101784.	0.4	0
4	Flood management challenges in transitional environments: Assessing the effects of sea-level rise on compound flooding in the 21st century. Coastal Engineering, 2021, 167, 103872.	1.7	14
5	Beyond Human Interventions on Complex Bays: Effects on Water and Wave Dynamics (Study Case Cádiz) Tj ETQq1,1 0.784314 rgBT (C)	1.2	6
6	Mixed sand and gravel beaches. , 2020, , 317-341.		1
7	Approaching Software Engineering for Marine Sciences: A Single Development Process for Multiple End-User Applications. Journal of Marine Science and Engineering, 2020, 8, 350.	1.2	2
8	An Integrated GIS Methodology to Assess the Impact of Engineering Maintenance Activities: A Case Study of Dredging Projects. Journal of Marine Science and Engineering, 2020, 8, 186.	1.2	2
9	RETURNING TO ORIGIN: USE OF SIMPLE BASIC INSTRUMENTS IN LABORATORY AND FIELD LESSONS TO STRENGTHEN THEORETICAL KNOWLEDGE ACQUISITION. , 2020, , .		0
10	Circulation in a Short, Microtidal Submarine Canyon in the Alborán Sea. Journal of Coastal Research, 2020, 95, 1531.	0.1	2
11	IMPLEMENTATION OF DIFFERENT COMPUTER TOOLS IN THE TEACHING OF MARITIME AND RIVER ENGINEERING. , 2020, , .		0
12	Natural and Human-Induced Flow and Sediment Transport within Tidal Creek Networks Influenced by Ocean-Bay Tides. Water (Switzerland), 2019, 11, 1493.	1.2	9
13	Non-cohesive and cohesive sediment transport due to tidal currents and sea waves: A case study. Continental Shelf Research, 2019, 183, 87-102.	0.9	6
14	Automatic Methodology to Detect the Coastline from Landsat Images with a New Water Index Assessed on Three Different Spanish Mediterranean Deltas. Remote Sensing, 2019, 11, 2186.	1.8	33
15	Beyond flood probability assessment: An integrated approach for characterizing extreme water levels along transitional environments. Coastal Engineering, 2019, 152, 103512.	1.7	9
16	Evaluating the impact of dredging strategies at tidal inlets: Performance assessment. Science of the Total Environment, 2019, 658, 1069-1084.	3.9	12
17	Oscillating water column performance under the influence of storm development. Energy, 2019, 166, 765-774.	4.5	18
18	Thermodynamics and Morphodynamics in Wave Energy. SpringerBriefs in Energy, 2018, , .	0.2	1

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19	Impact of human interventions on tidal stream power: The case of Cádiz Bay. <i>Energy</i> , 2018, 145, 88-104.	4.5	9
20	Integrating complex numerical approaches into a user-friendly application for the management of coastal environments. <i>Science of the Total Environment</i> , 2018, 624, 979-990.	3.9	12
21	A Real Gas Model for Oscillating Water Column Performance. <i>SpringerBriefs in Energy</i> , 2018, , 7-27.	0.2	0
22	Numerical Simulation of an Oscillating Water Column Problem for Turbine Performance. <i>SpringerBriefs in Energy</i> , 2018, , 45-65.	0.2	0
23	The Role of Wave Energy Converter Farms in Coastal Protection. <i>SpringerBriefs in Energy</i> , 2018, , 87-104.	0.2	0
24	A methodology for the long-term simulation and uncertainty analysis of the operational lifetime performance of wave energy converter arrays. <i>Energy</i> , 2018, 153, 126-135.	4.5	31
25	Thermodynamics of an Oscillating Water Column Containing Real Gas. <i>SpringerBriefs in Energy</i> , 2018, , 29-43.	0.2	0
26	Towards an optimum design of wave energy converter arrays through an integrated approach of life cycle performance and operational capacity. <i>Applied Energy</i> , 2018, 209, 20-32.	5.1	48
27	An integrated methodology to forecast the efficiency of nourishment strategies in eroding deltas. <i>Science of the Total Environment</i> , 2018, 613-614, 1175-1184.	3.9	37
28	Confronting learning challenges in the field of maritime and coastal engineering: Towards an educational methodology for sustainable development. <i>Journal of Cleaner Production</i> , 2018, 171, 733-742.	4.6	15
29	The role of wave energy converter farms on coastal protection in eroding deltas, Guadalfeo, southern Spain. <i>Journal of Cleaner Production</i> , 2018, 171, 356-367.	4.6	57
30	Wave farm effects on the coast: The alongshore position. <i>Science of the Total Environment</i> , 2018, 640-641, 1176-1186.	3.9	38
31	Implications of River Discharge Angle and Basin Slope on Mouth Bar Morphology and Discharge Dynamics of Stable Jets. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	0.7	4
32	Protection of gravel-dominated coasts through wave farms: Layout and shoreline evolution. <i>Science of the Total Environment</i> , 2018, 636, 1541-1552.	3.9	33
33	Assessing the morphodynamic response of human-altered tidal embayments. <i>Geomorphology</i> , 2018, 320, 127-141.	1.1	24
34	Effects of Seabed Morphology on Oscillating Water Column Wave Energy Converter Performance. <i>SpringerBriefs in Energy</i> , 2018, , 67-85.	0.2	1
35	CLIMATE CHANGE TEACHING: HOW TO INTRODUCE THIS TOPIC IN THE ENGINEERING EDUCATION. <i>EDULEARN Proceedings</i> , 2018, , .	0.0	0
36	INCORPORATING THE ASSESSMENT OF MARINE RENEWABLE ENERGIES IN ENGINEERING STUDIES. <i>EDULEARN Proceedings</i> , 2018, , .	0.0	0

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37	INTEGRATION OF CLIMATE CHANGE PERSPECTIVES INTO ENGINEERING STUDIES: DEVELOPING APPROACHES INCLUDING BOTH SIMULATION OF FUTURE CLIMATE SCENARIOS AND ASSESSMENT OF THEIR IMPACTS. , 2018, , .		0
38	COMBINING ROLE-PLAYING AND PROJECT-BASED LEARNING AS A WAY TO INCREASE MOTIVATION OF ENGINEERING STUDENTS. , 2018, , .		0
39	A SIMILARITY PARAMETER FOR BREAKWATERS: THE MODIFIED IRIBARREN NUMBER. Coastal Engineering Proceedings, 2018, , 28.	0.1	1
40	Study Sites. SpringerBriefs in Earth Sciences, 2017, , 11-22.	0.5	0
41	Littoral Drift and Coastline Evolution on Mixed Sand and Gravel Coasts. SpringerBriefs in Earth Sciences, 2017, , 39-62.	0.5	0
42	Advances in management tools for modeling artificial nourishments in mixed beaches. Journal of Marine Systems, 2017, 172, 1-13.	0.9	53
43	Assessing and mitigating the landscape effects of river damming on the Guadalfeo River delta, southern Spain. Landscape and Urban Planning, 2017, 165, 117-129.	3.4	37
44	Tidal and subtidal hydrodynamics and energetics in a constricted estuary. Estuarine, Coastal and Shelf Science, 2017, 185, 55-68.	0.9	34
45	Coupling cross-shore and longshore sediment transport to model storm response along a mixed sand-gravel coast under varying wave directions. Coastal Engineering, 2017, 129, 93-104.	1.7	58
46	Efficient dredging strategy in a tidal inlet based on an energetic approach. Ocean and Coastal Management, 2017, 146, 157-169.	2.0	12
47	Effects of seabed morphology on oscillating water column wave energy converters. Energy, 2017, 135, 659-673.	4.5	28
48	DEVELOPMENT OF GRAPHICAL USER INTERFACES FOR DESIGNING MARITIME WORKS IN WORKSHOPS FOR UNDERGRADUATE CIVIL ENGINEERS. , 2017, , .		1
49	Prodeltaic Undulations and Hyperpycnal Flows (II): Evolutionary Trends. , 2017, , 113-120.		0
50	Prodeltaic Undulations and Hyperpycnal Flows (I): Morphological Observations. , 2017, , 107-112.		1
51	UNBIASED EVALUATION OF WORKGROUPS MEMBERS IN THE FIELD OF CIVIL ENGINEERING. EDULEARN Proceedings, 2017, , .	0.0	0
52	LABORATORY TESTS AS A COMPLEMENT TO TEACHING IN DEGREE, MASTER AND DOCTORAL PROGRAMS IN THE FIELD OF MARITIME ENGINEERING. , 2017, , .		0
53	AN INTEGRATED TOOL FOR MANAGING CONSTRUCTION WORKS IN CIVIL ENGINEERING: APPLICATION TO BREAKWATERS. EDULEARN Proceedings, 2017, , .	0.0	0
54	VERIFICATION OF THE CROWN WALL STABILITY TAKING INTO ACCOUNT THE HYDRAULIC PERFORMANCE CURVES. Coastal Engineering Proceedings, 2017, , 10.	0.1	0

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55	IMPLICATIONS OF PLUME DISCHARGE FOR TIDAL CHANNELS MORPHODYNAMICS: A COUPLED ONSHORE AND OFFSHORE SYSTEM. Coastal Engineering Proceedings, 2017, , 12.	0.1	0
56	IMPACT OF RIVER REGULATION ON THE SUBMERGED MORPHOLOGY OF A MEDITERRANEAN DELTAIC SYSTEM: EVALUATING COASTAL ENGINEERING TOOLS. Coastal Engineering Proceedings, 2017, , 10.	0.1	0
57	PROJECT-BASED LEARNING THROUGH GROUP WORKS IN CIVIL ENGINEERING: IMPLEMENTATION, EARLY EXPERIENCES AND ONGOING CHALLENGES. , 2017, , .		0
58	UNBIASED EVALUATION BASED ON RUBRIC METHOD WITH PUBLIC PRESENTATION. , 2017, , .		0
59	Effects of basin bottom slope on jet hydrodynamics and river mouth bar formation. Journal of Geophysical Research F: Earth Surface, 2016, 121, 1110-1133.	1.0	13
60	Buried marine-cut terraces and submerged marine-built terraces: The Carchuna-Calahonda coastal area (southeast Iberian Peninsula). Geomorphology, 2016, 264, 29-40.	1.1	11
61	A Subtidal Model of Temperature for a Well-Mixed Narrow Estuary: the Guadalquivir River Estuary (SW Spain). Estuaries and Coasts, 2016, 39, 605-620.	1.0	3
62	Morpho-sedimentary dynamics of a micro-tidal mixed sand and gravel beach, Playa Granada, southern Spain. Marine Geology, 2016, 379, 28-38.	0.9	59
63	The importance of wave climate forecasting on the decision-making process for nearshore wave energy exploitation. Applied Energy, 2016, 182, 191-203.	5.1	65
64	Implications of delta retreat on wave propagation and longshore sediment transport—Guadalfeo case study (southern Spain). Marine Geology, 2016, 382, 1-16.	0.9	69
65	Impact of river regulation on a Mediterranean delta: Assessment of managed versus unmanaged scenarios. Water Resources Research, 2016, 52, 5132-5148.	1.7	65
66	Shoreline Undulations. Encyclopedia of Earth Sciences Series, 2016, , 602-602.	0.1	0
67	LEARNING CALIBRATION AND TESTING MODEL TO PREDICT FUTURE IMPACTS IN COASTAL ENVIRONMENTS. , 2016, , .		0
68	INTRODUCING GRADUATE STUDENTS INTO PRE-PROCESSING TECHNIQUES FOR ADVANCED NUMERICAL MODELS: APPLICATION TO HYDRODYNAMIC MODELS. , 2016, , .		0
69	INTRODUCING GRADUATE STUDENTS INTO OCEANOGRAPHIC INSTRUMENTATION AND DATA POST-PROCESSING TECHNIQUES. , 2016, , .		0
70	DEVELOPMENT OF VISUAL TOOLS FOR ACHIEVING PRACTICAL SKILLS IN MARINE AND COASTAL ENGINEERING AND SCIENCE. , 2016, , .		0
71	Continental shelf waves on the Alborán sea. Continental Shelf Research, 2015, 111, 1-8.	0.9	5
72	A simple method for estimating wave refraction along weakly curvilinear coasts. , 2015, , .		0

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73	SUSPENDED PARTICLE DYNAMICS IN A WELL-MIXED ESTUARY: DEVIATIONS FROM MORPHODYNAMIC EQUILIBRIUM. Coastal Engineering Proceedings, 2015, 1, 78.	0.1	1
74	FORESHORE EVOLUTION OF A MIXED SAND AND GRAVEL BEACH: THE CASE OF PLAYA GRANADA (SOUTHERN) Tj ETQq0 0 0 ₁ rgBT /Over		
75	A simple approximation for wave refraction $\hat{\alpha}^{\epsilon}$ Application to the assessment of the nearshore wave directionality. Ocean Modelling, 2015, 96, 324-333.	1.0	16
76	Hydrodynamics response to planned human interventions in a highly altered embayment: The example of the Bay of Cádiz (Spain). Estuarine, Coastal and Shelf Science, 2015, 167, 75-85.	0.9	35
77	Estimating Final Scour Depth under Clear-Water Flood Waves. Journal of Hydraulic Engineering, 2014, 140, 328-332.	0.7	21
78	A note on alongshore sediment transport on weakly curvilinear coasts and its implications. Coastal Engineering, 2014, 88, 143-153.	1.7	22
79	A public, open Western Europe database of shoreline undulations based on imagery. Applied Geography, 2014, 55, 278-291.	1.7	11
80	The influence of shelf-indenting canyons and infralittoral prograding wedges on coastal morphology: The Carchuna system in Southern Spain. Marine Geology, 2014, 347, 107-122.	0.9	29
81	On the relative influence of climate forcing agents on the saline intrusion in a well-mixed estuary: Medium-term Monte Carlo predictions. Journal of Coastal Research, 2013, 165, 1200-1205.	0.1	10
82	Natural Recovery of a Mixed Sand and Gravel Beach after a Sequence of a Short Duration Storm and Moderate Sea States. Journal of Coastal Research, 2012, 279, 89-101.	0.1	26
83	Short and medium-term evolution of shoreline undulations on curvilinear coasts. Geomorphology, 2012, 159-160, 189-200.	1.1	19
84	Tide transformation in the Guadalquivir estuary (SW Spain) and process-based zonation. Journal of Geophysical Research, 2012, 117, .	3.3	81
85	TIDAL WAVE REFLECTION FROM THE CLOSURE DAM IN THE GUADALQUIVIR ESTUARY (SW SPAIN). Coastal Engineering Proceedings, 2012, 1, 58.	0.1	7
86	NONUNIFORM ALONGSHORE SEDIMENT TRANSPORT INDUCED BY COASTLINE CURVATURE. Coastal Engineering Proceedings, 2012, 1, 29.	0.1	4
87	Coastal Evolution, Sea Level, and Assessment of Intrinsic Uncertainty. Journal of Coastal Research, 2011, 59, 218-228.	0.1	31
88	Beach cusps and inner surf zone processes: growth or destruction? A case study of Trafalgar Beach (Cádiz, Spain). Scientia Marina, 2010, 74, 539-553.	0.3	10
89	Characteristic friction coefficient and scale effects in oscillatory porous flow. Coastal Engineering, 2009, 56, 931-939.	1.7	48
90	SEA LEVEL VARIABILITY AND COASTAL EVOLUTION. , 2009, , .		0

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91	Socioeconomic and Environmental Risk in Coastal and Ocean Engineering. , 2009, , 923-952.		3
92	Large-scale coastal features generated by atmospheric pulses and associated edge waves. Marine Geology, 2008, 247, 226-236.	0.9	10
93	Comment on "High-angle wave instability and emergent shoreline shapes: 1. Modeling of sand waves, flying spits, and capes" by Andrew D. Ashton and A. Brad Murray. Journal of Geophysical Research, 2008, 113, .	3.3	5
94	Relation between beachface morphology and wave climate at Trafalgar beach (Cádiz, Spain). Geomorphology, 2008, 99, 171-185.	1.1	32
95	Atmospheric-hydrodynamic coupling in the nearshore. Geophysical Research Letters, 2008, 35, .	1.5	14
96	A global model of a tidal jet including the effects of friction and bottom slope. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 80-86.	0.7	6
97	SYNOPTIC PREDICTIVE MORPHODYNAMIC MODEL FOR BEACH MANAGEMENT: TRAFALGAR (SPAIN). , 2007, , .		1
98	WIND-INDUCED CIRCULATION AND MORPHOLOGY ON A NATURAL BEACH: CARCHUNA (SPAIN). , 2007, , .		0
99	Discussion of "Further Results to Time-Dependent Local Scour at Bridge Elements" by Giuseppe Oliveto and Willi H. Hager. Journal of Hydraulic Engineering, 2006, 132, 995-996.	0.7	11
100	MASS TRANSPORT AND RELATED BEDFORMS INDUCED BY PHASE-LOCKED EDGEWAVES IN A GROIN. , 2005, , .		1
101	Reply to Comment on "On the development of large scale features on a semi-reflective beach: Carchuna beach, Southern Spain" by A. Ashton and A. Brad Murray. Marine Geology, 2004, 206, 285-288.	0.9	5
102	Comment on "On the development of large-scale cusped features on a semi-reflective beach: Carchuna beach, Southern Spain," by M. Ortega Sanchez, M.A. Losada and A. Baquerizo [Mar. Geol. 198 (2003) 209-223]. Marine Geology, 2004, 206, 283-284.	0.9	4
103	On the development of large-scale cusped features on a semi-reflective beach: Carchuna beach, Southern Spain. Marine Geology, 2003, 198, 209-223.	0.9	43