Liliana Rusu

List of Publications by Year
in descending order

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74	1,478	304602	330025
papers	citations	22 h-index	37 g-index

79	79	79	1020
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wave energy assessments in the Azores islands. Renewable Energy, 2012, 45, 183-196.	4.3	183
2	The performance of some state-of-the-art wave energy converters in locations with the worldwide highest wave power. Renewable and Sustainable Energy Reviews, 2017, 75, 1348-1362.	8.2	113
3	Assessment of the performances of various wave energy converters along the European continental coasts. Energy, 2015, 82, 889-904.	4.5	89
4	Hindcast of the wave conditions along the west Iberian coast. Coastal Engineering, 2008, 55, 906-919.	1.7	75
5	Assessment of the Wave Energy in the Black Sea Based on a 15-Year Hindcast with Data Assimilation. Energies, 2015, 8, 10370-10388.	1.6	60
6	Wind and wave modelling in the Black Sea. Journal of Operational Oceanography, 2014, 7, 5-20.	0.6	55
7	The wave and wind power potential in the western Black Sea. Renewable Energy, 2019, 139, 1146-1158.	4.3	50
8	Evaluation of the wind energy potential along the Mediterranean Sea coasts. Energy Exploration and Exploitation, 2016, 34, 766-792.	1.1	47
9	Evaluation of the wave energy resources in the Cape Verde Islands. Renewable Energy, 2017, 101, 316-326.	4.3	46
10	A joint evaluation of wave and wind energy resources in the Black Sea based on 20-year hindcast information. Energy Exploration and Exploitation, 2018, 36, 335-351.	1.1	46
11	Evaluation of a high-resolution wave forecasting system for the approaches to ports. Ocean Engineering, 2013, 58, 224-238.	1.9	41
12	Modelling the influence of currents on wave propagation at the entrance of the Tagus estuary. Ocean Engineering, 2011, 38, 1174-1183.	1.9	40
13	An operational wave forecasting system for the Portuguese continental coastal area. Journal of Operational Oceanography, 2011, 4, 17-27.	0.6	36
14	Evaluation of Some State-Of-The-Art Wind Technologies in the Nearshore of the Black Sea. Energies, 2018, 11, 2452.	1.6	33
15	Evaluation of the near future wave energy resources in the Black Sea under two climate scenarios. Renewable Energy, 2019, 142, 137-146.	4.3	33
16	Evaluation of the Worldwide Wave Energy Distribution Based on ERA5 Data and Altimeter Measurements. Energies, 2021, 14, 394.	1.6	31
17	Local data assimilation scheme for wave predictions close to the Portuguese ports. Journal of Operational Oceanography, 2014, 7, 45-57.	0.6	30
18	Impact of assimilating altimeter data on wave predictions in the western Iberian coast. Ocean Modelling, 2015, 96, 126-135.	1.0	29

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19	Modelling the waveâ€“current interactions in an offshore basin using the SWAN model. Ocean Engineering, 2011, 38, 63-76.	1.9	28
20	A Long-Term Assessment of the Black Sea Wave Climate. Sustainability, 2017, 9, 1875.	1.6	28
21	Estimation of the Near Future Wind Power Potential in the Black Sea. Energies, 2018, 11, 3198.	1.6	25
22	A Comparative Analysis of the Wind and Wave Climate in the Black Sea Along the Shipping Routes. Water (Switzerland), 2018, 10, 924.	1.2	25
23	A projection of the expected wave power in the Black Sea until the end of the 21st century. Renewable Energy, 2020, 160, 136-147.	4.3	24
24	APPLICATION OF NUMERICAL MODELS TO EVALUATE OIL SPILLS PROPAGATION IN THE COASTAL ENVIRONMENT OF THE BLACK SEA. Journal of Environmental Engineering and Landscape Management, 2010, 18, 288-295.	0.4	23
25	A Delphi method to classify wave energy resource for the 21st century: Application to the NW Iberian Peninsula. Energy, 2021, 235, 121396.	4.5	22
26	A Study on the Wind Energy Potential in the Romanian Coastal Environment. Journal of Marine Science and Engineering, 2019, 7, 142.	1.2	21
27	Evaluating the Future Efficiency of Wave Energy Converters along the NW Coast of the Iberian Peninsula. Energies, 2020, 13, 3563.	1.6	18
28	EVALUATION OF THE WIND INFLUENCE IN MODELING THE BLACK SEA WAVE CONDITIONS. Environmental Engineering and Management Journal, 2014, 13, 305-314.	0.2	18
29	Nearshore Wave Dynamics at Mangalia Beach Simulated by Spectral Models. Journal of Marine Science and Engineering, 2019, 7, 206.	1.2	15
30	Coastal erosion rates of lava deltas around oceanic islands. Geomorphology, 2020, 370, 107410.	1.1	13
31	Forecasting fishing vessel responses in coastal areas. Journal of Marine Science and Technology, 2014, 19, 215-227.	1.3	12
32	Coastal impact of a hybrid marine farm operating close to the Sardinia Island. , 2015, , .		12
33	Data assimilation with the ensemble Kalman filter in a high-resolution wave forecasting model for coastal areas. Journal of Operational Oceanography, 2016, 9, 103-114.	0.6	12
34	MODELLING WIND WAVES IN THE ROMANIAN COASTAL ENVIRONMENT. Environmental Engineering and Management Journal, 2010, 9, 547-552.	0.2	11
35	Wave Farms Impact on the Coastal Processesâ€”A Case Study Area in the Portuguese Nearshore. Journal of Marine Science and Engineering, 2021, 9, 262.	1.2	10
36	New insights into the wind energy potential of the west Black Sea area based on the North Sea wind farms model. Energy Reports, 2021, 7, 112-118.	2.5	10

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37	Harnessing of Different WECs to Harvest Wave Energy along the Galician Coast (NW Spain). Journal of Marine Science and Engineering, 2022, 10, 719.	1.2	10
38	The near future expected wave power in the coastal environment of the Iberian Peninsula. Renewable Energy, 2022, 195, 657-669.	4.3	10
39	Long-Term Analysis of the Black Sea Weather Windows. Journal of Marine Science and Engineering, 2019, 7, 303.	1.2	9
40	An Overview of the Ship Ventilation Systems and Measures to Avoid the Spread of Diseases. Inventions, 2021, 6, 55.	1.3	9
41	An evaluation of the wave energy resources in the proximity of the wind farms operating in the North Sea. Energy Reports, 2021, 7, 19-27.	2.5	9
42	Influence of the Wind Fields on the Accuracy of Numerical Wave Modelling in Offshore Locations. , 2008, , .		6
43	Ballast Water Management in the Black Seaâ€™s Ports. Journal of Marine Science and Engineering, 2018, 6, 69.	1.2	6
44	Evaluation of extreme storm waves in the Black Sea. Journal of Operational Oceanography, 2021, 14, 114-128.	0.6	5
45	Assessment of the Offshore Wind Energy Potential in the Romanian Exclusive Economic Zone. Journal of Marine Science and Engineering, 2021, 9, 531.	1.2	5
46	Waveâ€influenced deposition of carbonateâ€rich sediment on the insular shelf of Santa Maria Island, Azores. Sedimentology, 2022, 69, 1547-1572.	1.6	5
47	Characteristics of the Wind and Wave Climate along the European Seas Focusing on the Main Maritime Routes. Journal of Marine Science and Engineering, 2022, 10, 75.	1.2	5
48	Asymmetric abundances of submarine sediment waves around the Azores volcanic islands. Marine Geology, 2022, 449, 106837.	0.9	5
49	The Expected Impact of Marine Energy Farms Operating in Island Environments with Mild Wave Energy Resourcesâ€”A Case Study in the Mediterranean Sea. Inventions, 2021, 6, 33.	1.3	4
50	A Local Perspective on Wind Energy Potential in Six Reference Sites on the Western Coast of the Black Sea Considering Five Different Types of Wind Turbines. Inventions, 2021, 6, 44.	1.3	4
51	Comparison between Model Test and Three CFD Studies for a Benchmark Container Ship. Journal of Marine Science and Engineering, 2021, 9, 62.	1.2	3
52	Prediction of the dynamic responses for two containerships operating in the black sea. Journal of Naval Architecture and Marine Engineering, 2014, 11, 55-68.	0.9	2
53	Evaluation of the wind power potential in the European nearshore of the Mediterranean Sea. E3S Web of Conferences, 2019, 103, 01003.	0.2	2
54	Assessment of the Romanian onshore and offshore wind energy potential. E3S Web of Conferences, 2019, 122, 01003.	0.2	2

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55	VALIDATION OF THE SWAN MODEL FOR THE INFLUENCE OF OPPOSITE CURRENTS ON THE WAVE SPECTRA. Environmental Engineering and Management Journal, 2015, 14, 751-761.	0.2	2
56	STATISTICAL ANALYSIS OF THE TYPES OF SHIPS THAT HAVE CROSSED THE EUROPEAN PORTS IN THE LAST DECADE. , 2020, , .		2
57	Offshore Wind Energy and the Romanian Energy Future. E3S Web of Conferences, 2019, 103, 01004.	0.2	1
58	Wave Power Variation near the Romanian Coastal Waters. E3S Web of Conferences, 2019, 103, 01006.	0.2	1
59	Analysis of Extreme Storms in the Black Sea. , 2018, , 699-704.		1
60	Computational strategies and visualisation techniques for the wave modelling in the Portuguese nearshore. , 2006, , 1129-1136.		1
61	Validation of an operational wave forecasting system for the North Atlantic area. , 2016, , 1037-1043.		1
62	Study on the behavior of benchmark container ships in regular waves. IOP Conference Series: Materials Science and Engineering, 2021, 1182, 012013.	0.3	1
63	SEA STATE CHARACTERISTICS AND THE MARITIME TRAFFIC IN THE EUROPEAN SEAS. , 2020, , .		1
64	Analysis-based results on the delineation of prearrangement areas for marine renewable energy installations in the Western Black Sea Basin. E3S Web of Conferences, 2018, 51, 01009.	0.2	0
65	Coastal protection of the Romanian nearshore throughout hybrid wave and offshore wind farms. E3S Web of Conferences, 2018, 51, 01004.	0.2	0
66	A Projection of the Wind Energy in the Black Sea along the 21st Century. E3S Web of Conferences, 2019, 103, 01005.	0.2	0
67	LNG to Power in the Romanian port of Constanta. E3S Web of Conferences, 2019, 103, 01007.	0.2	0
68	Reanalysis of the wave conditions on the approaches to the Portuguese port of Sines. , 2006, , 1137-1142.		0
69	WAVE MODELLING WITH DATA ASSIMILATION TO EVALUATE THE WAVE ENERGY PATTERNS IN THE BLACK SEA. , 2011, , .		0
70	A DATA ASSIMILATION SCHEME TO IMPROVE THE WAVE PREDICTIONS IN THE WESTERN SIDE OF THE BLACK SEA. , 2014, , .		0
71	Comparison of altimeter derived wave periods and significant wave heights with buoy data in the Portuguese coastal environment. , 2014, , 1403-1409.		0
72	Comparison of various data assimilation methods to improve the wave predictions in the Portuguese coastal environment. , 2016, , 1087-1093.		0

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73	Coastal protection of the Romanian nearshore throughout hybrid wave and offshore wind farms. E3S Web of Conferences, 2018, 51, 01004.	0.2	0
74	Analysis-based results on the delineation of prearrangement areas for marine renewable energy installations in the Western Black Sea Basin. E3S Web of Conferences, 2018, 51, 01009.	0.2	0