

Juan M Sayol

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

445
citations

840776

11
h-index

713466

21
g-index

36
all docs

36
docs citations

36
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	Extension and application of an observation-based local climate index aimed to anticipate the impact of El Niño-Southern Oscillation events on Colombia. <i>International Journal of Climatology</i> , 2022, 42, 5403-5429.	3.5	7
2	Hydrological cycle of the Mediterranean-Black Sea system. <i>Climate Dynamics</i> , 2022, 59, 1919-1938.	3.8	3
3	The Water Cycle of the Baltic Sea Region From GRACE/GRACE-FO Missions and ERA5 Data. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	0
4	Is Greenhouse Rainwater Harvesting Enough to Satisfy the Water Demand of Indoor Crops? Application to the Bolivian Altiplano. <i>Hydrology</i> , 2022, 9, 107.	3.0	2
5	Direct and Indirect Pathways of Convected Water Masses and Their impacts on the Overturning Dynamics of the Labrador Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016654.	2.6	10
6	On the Impact of the Caribbean Counter Current in the Guajira Upwelling System. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
7	Pathways of the water masses exiting the Labrador Sea: The importance of boundary-interior exchanges. <i>Ocean Modelling</i> , 2020, 150, 101623.	2.4	8
8	Seasonal and regional variations of sinking in the subpolar North Atlantic from a high-resolution ocean model. <i>Ocean Science</i> , 2019, 15, 1033-1053.	3.4	11
9	Coastal Impacts Driven by Sea-Level Rise in Cartagena de Indias. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	25
10	Statistical Characterization of the Observed Cold Wake Induced by North Atlantic Hurricanes. <i>Remote Sensing</i> , 2019, 11, 2368.	4.0	6
11	A modelling-based assessment of the imprint of storms on wind waves in the western Mediterranean Sea. <i>International Journal of Climatology</i> , 2019, 39, 878-886.	3.5	3
12	Assessing Flood Risk Under Sea Level Rise and Extreme Sea Levels Scenarios: Application to the Ebro Delta (Spain). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 794-811.	2.6	29
13	An eddy tracking algorithm based on dynamical systems theory. <i>Ocean Dynamics</i> , 2016, 66, 1415-1427.	2.2	11
14	Assessment of operational models in the Balearic Sea during a MEDESS-4MS experiment. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 133, 118-131.	1.4	8
15	Wind induced energy-momentum distribution along the Ekman-Stokes layer. Application to the Western Mediterranean Sea climate. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 111, 34-49.	1.4	5
16	The MEDESS-GIB database: tracking the Atlantic water inflow. <i>Earth System Science Data</i> , 2016, 8, 141-149.	9.9	10
17	Toward an integrated HF radar network in the Mediterranean Sea to improve search and rescue and oil spill response: the TOSCA project experience. <i>Journal of Operational Oceanography</i> , 2015, 8, 95-107.	1.2	56
18	Empirical Forecasting of HF-Radar Velocity Using Genetic Algorithms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2875-2886.	6.3	17

#	ARTICLE	IF	CITATIONS
19	Operational Oil Spill Modelling: From Science to Engineering Applications in the Presence of Uncertainty. <i>The Reacting Atmosphere</i> , 2015, , 99-126.	0.8	11
20	A Lagrangian model for tracking surface spills and SaR operations in the ocean. <i>Environmental Modelling and Software</i> , 2014, 52, 74-82.	4.5	45
21	Sea surface transport in the Western Mediterranean Sea: A Lagrangian perspective. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6371-6384.	2.6	31
22	SOCIB: The Balearic Islands Coastal Ocean Observing and Forecasting System Responding to Science, Technology and Society Needs. <i>Marine Technology Society Journal</i> , 2013, 47, 101-117.	0.4	98
23	The Impact of New Multi-platform Observing Systems in Science, Technology Development and Response to Society Needs; from Small to Large Scales. <i>Lecture Notes in Computer Science</i> , 2013, , 341-348.	1.3	5
24	Recent improvements in mesoscale characterization of the western Mediterranean Sea: synergy between satellite altimetry and other observational approaches. <i>Scientia Marina</i> , 2013, 77, 19-36.	0.6	27
25	MIXING IN COASTAL AREAS INFERRED FROM LYAPUNOV EXPONENTS: IMPLICATIONS FOR TRANSPORT. <i>Coastal Engineering Proceedings</i> , 2012, 1, 8.	0.1	0