

Franck Dumas

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,652
citations

331670

21
h-index

289244

40
g-index

46
all docs

46
docs citations

46
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal and Interannual Variability of the CO ₂ System in the Eastern Mediterranean Sea: A Case Study in the North Western Levantine Basin. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	9
2	Tridimensional nonhydrostatic transient rip currents in a wave-resolving model. <i>Ocean Modelling</i> , 2021, 163, 101816.	2.4	11
3	Fine-Scale Ocean Currents Derived From in situ Observations in Anticipation of the Upcoming SWOT Altimetric Mission. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	8
4	Impact of moderately energetic fine-scale dynamics on the phytoplankton community structure in the western Mediterranean Sea. <i>Biogeosciences</i> , 2021, 18, 6455-6477.	3.3	7
5	Numerical modelling of three-dimensional wave-current interactions in complex environment: Application to Alderney Race. <i>Applied Ocean Research</i> , 2020, 95, 102021.	4.1	21
6	Three-Dimensional Evolution of Mesoscale Anticyclones in the Lee of Crete. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
7	The Alderney Race: general hydrodynamic and particular features. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190492.	3.4	7
8	Numerical modelling of hydraulic control, solitary waves and primary instabilities in the Strait of Gibraltar. <i>Ocean Modelling</i> , 2020, 151, 101642.	2.4	18
9	Dissolved Radiotracers and Numerical Modeling in North European Continental Shelf Dispersion Studies (1982â€“2016): Databases, Methods and Applications. <i>Water (Switzerland)</i> , 2020, 12, 1667.	2.7	9
10	Intensive use of Lagrangian trajectories to quantify coastal area dispersion. <i>Ocean Dynamics</i> , 2020, 70, 541-559.	2.2	10
11	PROTEVS-MED field experiments: very high resolution hydrographic surveys in the Western Mediterranean Sea. <i>Earth System Science Data</i> , 2020, 12, 441-456.	9.9	5
12	Cyclostrophic Corrections of AVISO/DUACS Surface Velocities and Its Application to Mesoscale Eddies in the Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 8913-8932.	2.6	20
13	Ecological model of the Bay of Biscay and English Channel shelf for environmental status assessment part 1: Nutrients, phytoplankton and oxygen. <i>Ocean Modelling</i> , 2019, 133, 56-78.	2.4	27
14	Inventory and distribution of tritium in the oceans in 2016. <i>Science of the Total Environment</i> , 2019, 656, 1289-1303.	8.0	22
15	Towards a Realistic Numerical Modelling of Wave-Current-Turbulence Interactions in Alderney Race. , 2018, , .		2
16	Designing optimal scenarios of nutrient loading reduction in a WFD/MSFD perspective by using passive tracers in a biogeochemical-3D model of the English Channel/Bay of Biscay area. <i>Ocean and Coastal Management</i> , 2018, 163, 37-53.	4.4	12
17	Sea-level rise impacts on the tides of the European Shelf. <i>Continental Shelf Research</i> , 2017, 137, 56-71.	1.8	105
18	Spatial patterns in coastal lagoons related to the hydrodynamics of seawater intrusion. <i>Marine Pollution Bulletin</i> , 2017, 119, 132-144.	5.0	26

#	ARTICLE	IF	CITATIONS
19	Potential environmental drivers of a regional blue mussel mass mortality event (winter of 2014,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.6	26
20	Modelling larval dispersal of <i>Pecten maximus</i> in the English Channel: a tool for the spatial management of the stocks. ICES Journal of Marine Science, 2017, 74, 1812-1825.	2.5	24
21	Revisiting wild stocks of black lip oyster <i>Pinctada margaritifera</i> in the Tuamotu Archipelago: The case of Ahe and Takaroa atolls and implications for the cultured pearl industry. Estuarine, Coastal and Shelf Science, 2016, 182, 243-253.	2.1	22
22	Objective assessment of the contribution of the RECOPECA network to the monitoring of 3D coastal ocean variables in the Bay of Biscay and the English Channel. Ocean Dynamics, 2016, 66, 567-588.	2.2	13
23	Development of emergency response tools for accidental radiological contamination of French coastal areas. Journal of Environmental Radioactivity, 2016, 151, 487-494.	1.7	25
24	Larval connectivity of pearl oyster through biophysical modelling; evidence of food limitation and broodstock effect. Estuarine, Coastal and Shelf Science, 2016, 182, 283-293.	2.1	36
25	Mixing parameterization: Impacts on rip currents and wave set-up. Ocean Engineering, 2014, 84, 213-227.	4.3	14
26	System for high-frequency simultaneous water sampling at several depths during sailing. Ocean Engineering, 2014, 91, 281-289.	4.3	5
27	Impact of winter storms on sediment erosion in the Rhone River prodelta and fate of sediment in the Gulf of Lions (North Western Mediterranean Sea). Continental Shelf Research, 2014, 72, 57-72.	1.8	49
28	Modelling green macroalgal blooms on the coasts of Brittany, France to enhance water quality management. Journal of Marine Systems, 2014, 132, 38-53.	2.1	74
29	Circulation around La Réunion and Mauritius islands in the south-western Indian Ocean: A modeling perspective. Journal of Geophysical Research: Oceans, 2014, 119, 1957-1976.	2.6	19
30	Larval Dispersal Modeling of Pearl Oyster <i>Pinctada margaritifera</i> following Realistic Environmental and Biological Forcing in Ahe Atoll Lagoon. PLoS ONE, 2014, 9, e95050.	2.5	35
31	Modelling larval dispersal of the king scallop (<i>Pecten maximus</i>) in the English Channel: examples from the bay of Saint-Brieuc and the bay of Seine. Ocean Dynamics, 2013, 63, 661-678.	2.2	29
32	Numerical modelling of circulation and dispersion processes in Boulogne-sur-Mer harbour (Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1321-1340.	2.2	13
33	Surface layer circulation derived from Lagrangian drifters in the Bay of Biscay. Journal of Marine Systems, 2013, 109-110, S60-S76.	2.1	74
34	Numerical Wave Modeling in Conditions with Strong Currents: Dissipation, Refraction, and Relative Wind. Journal of Physical Oceanography, 2012, 42, 2101-2120.	1.7	114
35	On the coupling of wave and three-dimensional circulation models: Choice of theoretical framework, practical implementation and adiabatic tests. Ocean Modelling, 2011, 40, 260-272.	2.4	91
36	Spectral analysis of mean flow and turbulence forced by waves in a horizontally homogeneous zone of the Iroise sea. Ocean Dynamics, 2011, 61, 1887-1903.	2.2	4

#	ARTICLE	IF	CITATIONS
37	Identification of typical scenarios for the surface Lagrangian residual circulation in the Iroise Sea. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
38	Estimating the Lagrangian residual circulation in the Iroise Sea. <i>Journal of Marine Systems</i> , 2009, 78, S17-S36.	2.1	47
39	Development of a hydrodynamic model of the Bay of Biscay. Validation of hydrology. <i>Continental Shelf Research</i> , 2009, 29, 985-997.	1.8	89
40	Modelling larval dispersal and settlement of the reef-building polychaete <i>Sabellaria alveolata</i> : Role of hydroclimatic processes on the sustainability of biogenic reefs. <i>Continental Shelf Research</i> , 2009, 29, 1605-1623.	1.8	54
41	An external-internal mode coupling for a 3D hydrodynamical model for applications at regional scale (MARS). <i>Advances in Water Resources</i> , 2008, 31, 233-250.	3.8	362
42	Circulation on the Armorican shelf (Bay of Biscay) in autumn. <i>Journal of Marine Systems</i> , 2008, 72, 218-237.	2.1	20
43	High-resolution atmospheric forcing for regional oceanic model: the Iroise Sea. <i>Ocean Dynamics</i> , 2007, 57, 375-400.	2.2	15
44	A modelling study of the respective role of hydrodynamic processes and larval mortality on larval dispersal and recruitment of benthic invertebrates: example of <i>Pectinaria koreni</i> (Annelida: Tj ETQq0 0 0 rgBT /Overlock 10 T650 457 To		
45	Un nouveau modèle couplé vagues-courant 3D : développement et validation. <i>Revue Paralia</i> , 0, 6, 8.1-8.12.	0.0	1