

Francesco Nencioli

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,130
citations

361296

20
h-index

265120

42
g-index

48
all docs

48
docs citations

48
times ranked

2652
citing authors

#	ARTICLE	IF	CITATIONS
1	A Vector Geometry-Based Eddy Detection Algorithm and Its Application to a High-Resolution Numerical Model Product and High-Frequency Radar Surface Velocities in the Southern California Bight. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 564-579.	0.5	363
2	Lagrangian ocean analysis: Fundamentals and practices. <i>Ocean Modelling</i> , 2018, 121, 49-75.	1.0	313
3	Mesoscale Eddies Drive Increased Silica Export in the Subtropical Pacific Ocean. <i>Science</i> , 2007, 316, 1017-1021.	6.0	249
4	Eddy analysis in the subtropical zonal band of the North Pacific Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 68, 54-67.	0.6	146
5	An Automated Approach to Detect Oceanic Eddies From Satellite Remotely Sensed Sea Surface Temperature Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 1055-1059.	1.4	95
6	Three-dimensional oceanic eddy analysis in the Southern California Bight from a numerical product. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	86
7	The transient oasis: Nutrient-phytoplankton dynamics and particle export in Hawaiian lee cyclones. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 1275-1290.	0.6	74
8	Physical dynamics and biological implications of a mesoscale eddy in the lee of Hawaii: Cyclone Opal observations during E-Flux III. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 1252-1274.	0.6	74
9	The biogeochemical structuring role of horizontal stirring: Lagrangian perspectives on iron delivery downstream of the Kerguelen Plateau. <i>Biogeosciences</i> , 2015, 12, 5567-5581.	1.3	69
10	Physical and bio-optical observations of oceanic cyclones west of the island of Hawaii. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 1195-1217.	0.6	55
11	Surface coastal circulation patterns by in-situ detection of Lagrangian coherent structures. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	46
12	An oceanic cyclonic eddy on the lee side of Lanai Island, Hawaii. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
13	The Roles of the S3MPC: Monitoring, Validation and Evolution of Sentinel-3 Altimetry Observations. <i>Remote Sensing</i> , 2020, 12, 1763.	1.8	31
14	A review of the LATEX project: mesoscale to submesoscale processes in a coastal environment. <i>Ocean Dynamics</i> , 2017, 67, 513-533.	0.9	29
15	Shelf-Break Upwelling and Productivity Over the North Kenya Banks: The Importance of Large-Scale Ocean Dynamics. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015519.	1.0	29
16	Development of an ENVISAT Altimetry Processor Providing Sea Level Continuity Between Open Ocean and Arctic Leads. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5299-5319.	2.7	28
17	Round Robin Assessment of Radar Altimeter Low Resolution Mode and Delay-Doppler Retracking Algorithms for Significant Wave Height. <i>Remote Sensing</i> , 2020, 12, 1254.	1.8	28
18	In situ estimates of submesoscale horizontal eddy diffusivity across an ocean front. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 7066-7080.	1.0	26

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19	Physical dynamics and biological implications of Cyclone Noah in the lee of Hawaiiâ€™i during E-Flux I. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1231-1251.	0.6	25
20	Agulhas Ring Transport Efficiency From Combined Satellite Altimetry and Argo Profiles. Journal of Geophysical Research: Oceans, 2018, 123, 5874-5888.	1.0	23
21	Physical characteristics and dynamics of the coastal Latex09 Eddy derived from in situ data and numerical modeling. Journal of Geophysical Research: Oceans, 2013, 118, 399-409.	1.0	20
22	An Overview of Requirements, Procedures and Current Advances in the Calibration/Validation of Radar Altimeters. Remote Sensing, 2021, 13, 125.	1.8	20
23	Introduction to special section on Recent Advances in the Study of Optical Variability in the Nearâ€™Surface and Upper Ocean. Journal of Geophysical Research, 2012, 117, .	3.3	19
24	A process-oriented model study of equatorial Pacific phytoplankton: The role of iron supply and tropical instability waves. Progress in Oceanography, 2008, 78, 147-162.	1.5	17
25	Surface transport in the Northeastern Adriatic Sea from FSLE analysis of HF radar measurements. Continental Shelf Research, 2014, 77, 14-23.	0.9	17
26	Surface Salinity in the North Atlantic Subtropical Gyre During the STRASSE/SPURS Summer 2012 Cruise. Oceanography, 2015, 28, 114-123.	0.5	17
27	Evaluation of Sentinel-3A Wave Height Observations Near the Coast of Southwest England. Remote Sensing, 2019, 11, 2998.	1.8	17
28	Ecoregions in the Mediterranean Sea Through the Reanalysis of Phytoplankton Functional Types and Carbon Fluxes. Journal of Geophysical Research: Oceans, 2019, 124, 6737-6759.	1.0	16
29	A Software Package and Hardware Tools for in situ Experiments in a Lagrangian Reference Frame. Journal of Atmospheric and Oceanic Technology, 2013, 30, 1940-1950.	0.5	15
30	Lagrangian analysis of satellite-derived currents: Application to the North Western Mediterranean coastal dynamics. Advances in Space Research, 2014, 53, 788-801.	1.2	15
31	Determination of the absorption coefficient of chromophoric dissolved organic matter from underway spectrophotometry. Optics Express, 2017, 25, A1079.	1.7	15
32	Optical Characterization of an Eddy-induced Diatom Bloom West of the Island of Hawaii. Biogeosciences, 2010, 7, 151-162.	1.3	14
33	A Major Ecosystem Shift in Coastal East African Waters During the 1997/98 Super El NiÃ±o as Detected Using Remote Sensing Data. Remote Sensing, 2020, 12, 3127.	1.8	13
34	Drivers of spectral optical scattering by particles in the upper 500 m of the Atlantic Ocean. Optics Express, 2020, 28, 34147.	1.7	13
35	Comparison of Above-Water Seabird and TriOS Radiometers along an Atlantic Meridional Transect. Remote Sensing, 2020, 12, 1669.	1.8	10
36	Diagnosing crossâ€™shelf transport along an ocean front: An observational case study in the Gulf of Lion. Journal of Geophysical Research: Oceans, 2016, 121, 7218-7243.	1.0	9

#	ARTICLE	IF	CITATIONS
37	Platform effects on optical variability and prediction of underwater visibility. Applied Optics, 2010, 49, 2784.	2.1	7
38	Variability of mackerel fish catch and remotely-sensed biophysical controls in the eastern Pemba Channel. Ocean and Coastal Management, 2021, 207, 105593.	2.0	6
39	Productivity driven by Tana river discharge is spatially limited in Kenyan coastal waters. Ocean and Coastal Management, 2021, 211, 105713.	2.0	3
40	Ensuring that the Sentinel-3A altimeter provides climate-quality data. , 2017, , .		3
41	Lateral diffusivity coefficients from the dynamics of a SF6 patch in a coastal environment. Journal of Marine Systems, 2016, 153, 42-54.	0.9	2
42	Exploring the synergy between along-track altimetry and tracer fronts to reconstruct surface ocean currents. Remote Sensing of Environment, 2018, 216, 747-757.	4.6	2
43	Ocean Lagrangian Trajectories (OLTraj): Lagrangian analysis for non-expert users. Open Research Europe, 0, 1, 117.	2.0	0
44	Assessing altimetry close to the coast. , 2017, , .		0
45	Ocean Lagrangian Trajectories (OLTraj): Lagrangian analysis for non-expert users. Open Research Europe, 0, 1, 117.	2.0	0