

Helga Huntley

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

956
citations

566801

15
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	Submesoscale dispersion in the vicinity of the <i>Deepwater Horizon</i> spill. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12693-12698.	3.3	223
2	Ocean convergence and the dispersion of flotsam. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1162-1167.	3.3	183
3	Drifter motion in the Gulf of Mexico constrained by altimetric Lagrangian coherent structures. Geophysical Research Letters, 2013, 40, 6171-6175.	1.5	90
4	Data assimilation considerations for improved ocean predictability during the Gulf of Mexico Grand Lagrangian Deployment (GLAD). Ocean Modelling, 2014, 83, 98-117.	1.0	49
5	Clusters, deformation, and dilation: Diagnostics for material accumulation regions. Journal of Geophysical Research: Oceans, 2015, 120, 6622-6636.	1.0	44
6	Assimilation of time-averaged observations in a quasi-geostrophic atmospheric jet model. Climate Dynamics, 2010, 35, 995-1009.	1.7	37
7	Ocean processes underlying surface clustering. Journal of Geophysical Research: Oceans, 2016, 121, 180-197.	1.0	35
8	Ocean current estimation using a Multi-Model Ensemble Kalman Filter during the Grand Lagrangian Deployment experiment (GLAD). Ocean Modelling, 2015, 87, 86-106.	1.0	30
9	Drogue-Loss Detection for Surface Drifters during the Lagrangian Submesoscale Experiment (LASER). Journal of Atmospheric and Oceanic Technology, 2018, 35, 705-725.	0.5	30
10	Lagrangian predictability assessed in the East China Sea. Ocean Modelling, 2011, 36, 163-178.	1.0	29
11	Surface Drift Predictions of the Deepwater Horizon Spill: The Lagrangian Perspective. Geophysical Monograph Series, 2011, , 179-195.	0.1	26
12	Leaving flatland: Diagnostics for Lagrangian coherent structures in three-dimensional flows. Physica D: Nonlinear Phenomena, 2013, 258, 77-92.	1.3	25
13	Do Assimilated Drifter Velocities Improve Lagrangian Predictability in an Operational Ocean Model?. Monthly Weather Review, 2015, 143, 1822-1832.	0.5	22
14	Statistical properties of the surface velocity field in the northern Gulf of Mexico sampled by GLAD drifters. Journal of Geophysical Research: Oceans, 2016, 121, 5193-5216.	1.0	22
15	Small-Scale Dispersion in the Presence of Langmuir Circulation. Journal of Physical Oceanography, 2019, 49, 3069-3085.	0.7	19
16	Surface Ocean Dispersion Observations From the Ship-Tethered Aerostat Remote Sensing System. Frontiers in Marine Science, 2018, 5, .	1.2	15
17	Submesoscale Kinematic Properties in Summer and Winter Surface Flows in the Northern Gulf of Mexico. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016085.	1.0	15
18	Enhanced estimation of sonobuoy trajectories by velocity reconstruction with near-surface drifters. Ocean Modelling, 2011, 36, 179-197.	1.0	11

#	ARTICLE	IF	CITATIONS
19	Biases in Structure Functions from Observations of Submesoscale Flows. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015769.	1.0	10
20	Hyperbolicity in temperature and flow fields during the formation of a Loop Current ring. <i>Nonlinear Processes in Geophysics</i> , 2013, 20, 883-892.	0.6	9
21	Wind Effects on Flow Patterns and Net Fluxes in Density-Driven High-Latitude Channel Flow. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 305-323.	1.0	9
22	Anisotropy and Inhomogeneity in Drifter Dispersion. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 8667-8682.	1.0	4
23	Transport structures in a 3D periodic flow. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 61, 84-103.	1.7	3
24	Early predictors of seasonal Arctic sea-ice volume loss: the impact of spring and early-summer cloud radiative conditions. <i>Annals of Glaciology</i> , 2020, 61, 392-400.	2.8	3
25	Research Overview of the Consortium for Advanced Research on Transport of Hydrocarbon in the Environment (CARTHE). <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 544-560.	0.1	3
26	Out of Flatland: Three-Dimensional Aspects of Lagrangian Transport in Geophysical Fluids. <i>Geophysical Monograph Series</i> , 2013, , 77-84.	0.1	2
27	An Optimization Approach to Modeling Sea Ice Dynamics. Part 1: Lagrangian Framework. <i>SIAM Journal on Applied Mathematics</i> , 2007, 67, 543-560.	0.8	1
28	An Optimization Approach to Modeling Sea Ice Dynamics, Part 2: Finite Ice Strength Effects. <i>SIAM Journal on Applied Mathematics</i> , 2007, 67, 561-581.	0.8	1
29	Cross-Shelf Transport Through the Interaction among a Coastal Jet, a Topographic Wave, and Tides. <i>Fluids</i> , 2020, 5, 181.	0.8	1
30	Emergence of Coherent Clusters in the Ocean. , 2018, , 213-224.		0