

Philippe Miron

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

302
citations

840776

11
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	Lagrangian dynamical geography of the Gulf of Mexico. <i>Scientific Reports</i> , 2017, 7, 7021.	3.3	46
2	Building a Maxeyâ€“Riley framework for surface ocean inertial particle dynamics. <i>Physics of Fluids</i> , 2019, 31, .	4.0	27
3	Observation and quantification of inertial effects on the drift of floating objects at the ocean surface. <i>Physics of Fluids</i> , 2020, 32, .	4.0	25
4	Lagrangian Geography of the Deep Gulf of Mexico. <i>Journal of Physical Oceanography</i> , 2019, 49, 269-290.	1.7	22
5	Transition paths of marine debris and the stability of the garbage patches. <i>Chaos</i> , 2021, 31, 033101.	2.5	21
6	Connectivity of Pulley Ridge With Remote Locations as Inferred From Satelliteâ€“Tracked Drifter Trajectories. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5742-5750.	2.6	19
7	Towards the detection of moving separation in unsteady flows. <i>Journal of Fluid Mechanics</i> , 2015, 779, 819-841.	3.4	18
8	A minimal Maxeyâ€“Riley model for the drift of <i>Sargassum</i> rafts. <i>Journal of Fluid Mechanics</i> , 2020, 904, .	3.4	18
9	Clustering of Marineâ€“Debris and <i>Sargassum</i> -Like Drifters Explained by Inertial Particle Dynamics. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089874.	4.0	17
10	Anisotropic mesh adaptation on Lagrangian Coherent Structures. <i>Journal of Computational Physics</i> , 2012, 231, 6419-6437.	3.8	16
11	Markov-chain-inspired search for MH370. <i>Chaos</i> , 2019, 29, 041105.	2.5	16
12	The lunar compass of European glass eels (<i>Anguilla anguilla</i>) increases the probability that they recruit to North Sea coasts. <i>Fisheries Oceanography</i> , 2021, 30, 315-330.	1.7	13
13	On the use of the finite-time Lyapunov exponent to reveal complex flow physics in the wake of a mechanical valve. <i>Experiments in Fluids</i> , 2014, 55, 1.	2.4	12
14	Laboratory verification of the buoyancy dependence of the carrying flow in a Maxeyâ€“Riley theory for inertial ocean dynamics. <i>Physics of Fluids</i> , 2020, 32, 071703.	4.0	9
15	On the flow separation in the wake of a fixed and a rotating cylinder. <i>Chaos</i> , 2015, 25, 087402.	2.5	8
16	Connectivity of the Gulf of Mexico Continental Shelf Fish Populations and Implications of Simulated Oil Spills. , 2020, , 369-389.		8
17	Surface Pathways Connecting the South and North Atlantic Oceans. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7
18	Efficient computation of the finite-time Lyapunov exponent. , 2013, , .		0