

# 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	Surface Pathways Connecting the South and North Atlantic Oceans. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7
2	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
3	Transition paths of marine debris and the stability of the garbage patches. <i>Chaos</i> , 2021, 31, 033101.	2.5	21
4	Connectivity of the Gulf of Mexico Continental Shelf Fish Populations and Implications of Simulated Oil Spills. , 2020, , 369-389.		8
5	Clustering of Marine Debris and Sargassum-Like Drifters Explained by Inertial Particle Dynamics. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089874.	4.0	17
6	A minimal Maxey-Riley model for the drift of Sargassum rafts. <i>Journal of Fluid Mechanics</i> , 2020, 904, .	3.4	18
7	Laboratory verification of the buoyancy dependence of the carrying flow in a Maxey-Riley theory for inertial ocean dynamics. <i>Physics of Fluids</i> , 2020, 32, 071703.	4.0	9
8	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
9	Building a Maxey-Riley framework for surface ocean inertial particle dynamics. <i>Physics of Fluids</i> , 2019, 31, .	4.0	27
10	Markov-chain-inspired search for MH370. <i>Chaos</i> , 2019, 29, 041105.	2.5	16
11	Lagrangian Geography of the Deep Gulf of Mexico. <i>Journal of Physical Oceanography</i> , 2019, 49, 269-290.	1.7	22
12	Connectivity of Pulley Ridge With Remote Locations as Inferred From Satellite-Tracked Drifter Trajectories. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5742-5750.	2.6	19
13	Lagrangian dynamical geography of the Gulf of Mexico. <i>Scientific Reports</i> , 2017, 7, 7021.	3.3	46
14	Towards the detection of moving separation in unsteady flows. <i>Journal of Fluid Mechanics</i> , 2015, 779, 819-841.	3.4	18
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	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
17	Efficient computation of the finite-time Lyapunov exponent. , 2013, , .		0
18	Anisotropic mesh adaptation on Lagrangian Coherent Structures. <i>Journal of Computational Physics</i> , 2012, 231, 6419-6437.	3.8	16