

Alireza Hadjighasem

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

557
citations

1307594
7
h-index

1588992
8
g-index

30
all docs

30
docs citations

30
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining coherent vortices objectively from the vorticity. Journal of Fluid Mechanics, 2016, 795, 136-173.	3.4	238
2	A critical comparison of Lagrangian methods for coherent structure detection. Chaos, 2017, 27, 053104.	2.5	142
3	Spectral-clustering approach to Lagrangian vortex detection. Physical Review E, 2016, 93, 063107.	2.1	112
4	Geodesic Transport Barriers in Jupiter's Atmosphere: A Video-Based Analysis. SIAM Review, 2016, 58, 69-89.	9.5	24
5	Detecting invariant manifolds, attractors, and generalized KAM tori in aperiodically forced mechanical systems. Nonlinear Dynamics, 2013, 73, 689-704.	5.2	16
6	An Optimized-Parameter Spectral Clustering Approach to Coherent Structure Detection in Geophysical Flows. Fluids, 2021, 6, 39.	1.7	11
7	Level set formulation of two-dimensional Lagrangian vortex detection methods. Chaos, 2016, 26, 103102.	2.5	10
8	Investigating transport in a tidally driven coral atoll flow using Lagrangian coherent structures. Limnology and Oceanography, 2021, 66, 4017-4027.	3.1	4