

Julian Mak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/412814/publications.pdf>

Version: 2024-02-01

14
papers

221
citations

933447

10
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of a Geometrically Informed and Energetically Constrained Mesoscale Eddy Parameterization in an Ocean Circulation Model. <i>Journal of Physical Oceanography</i> , 2018, 48, 2363-2382.	1.7	39
2	Emergent eddy saturation from an energy constrained eddy parameterisation. <i>Ocean Modelling</i> , 2017, 112, 125-138.	2.4	33
3	Distinct interaction effects of warming and anthropogenic input on diatoms and dinoflagellates in an urbanized estuarine ecosystem. <i>Global Change Biology</i> , 2021, 27, 3463-3473.	9.5	26
4	Interacting vorticity waves as an instability mechanism for magnetohydrodynamic shear instabilities. <i>Journal of Fluid Mechanics</i> , 2015, 767, 199-225.	3.4	24
5	Evaluation of a scalar eddy transport coefficient based on geometric constraints. <i>Ocean Modelling</i> , 2017, 109, 44-54.	2.4	24
6	Vortex disruption by magnetohydrodynamic feedback. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	17
7	Linear stability analysis for plane-Poiseuille flow of an elastoviscoplastic fluid with internal microstructure for large Reynolds numbers. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 515-531.	2.4	15
8	Stratified shear flow instabilities in the non-Boussinesq regime. <i>Physics of Fluids</i> , 2015, 27, 086601.	4.0	11
9	Shear flow instabilities in shallow-water magnetohydrodynamics. <i>Journal of Fluid Mechanics</i> , 2016, 788, 767-796.	3.4	11
10	A new gauge-invariant method for diagnosing eddy diffusivities. <i>Ocean Modelling</i> , 2016, 104, 252-268.	2.4	11
11	Acute Sensitivity of Global Ocean Circulation and Heat Content to Eddy Energy Dissipation Timescale. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
12	Analogy between electro-magnetic waves in cold unmagnetized plasma and shallow water inertio-gravity waves in geophysical systems. <i>Journal of Physics Communications</i> , 2021, 5, 125006.	1.2	1
13	Zero absolute vorticity plane Couette flow as an hydrodynamic representation of quantum energy states under perpendicular magnetic field. <i>Physics of Fluids</i> , 2021, 33, 127120.	4.0	1
14	Magnetohydrodynamic shear instabilities arising from interacting vorticity waves. , 2014, , .		0