

Julian Mak

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

221
citations

933447

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1125743

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14
times ranked

240
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Acute Sensitivity of Global Ocean Circulation and Heat Content to Eddy Energy Dissipation Timescale. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 8 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Evaluation of a scalar eddy transport coefficient based on geometric constraints. <i>Ocean Modelling</i> , 2017, 109, 44-54. | 2.4 | 24 |
| 7 | Emergent eddy saturation from an energy constrained eddy parameterisation. <i>Ocean Modelling</i> , 2017, 112, 125-138. | 2.4 | 33 |
| 8 | Vortex disruption by magnetohydrodynamic feedback. <i>Physical Review Fluids</i> , 2017, 2, . | 2.5 | 17 |
| 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 | Interacting vorticity waves as an instability mechanism for magnetohydrodynamic shear instabilities. <i>Journal of Fluid Mechanics</i> , 2015, 767, 199-225. | 3.4 | 24 |
| 12 | Stratified shear flow instabilities in the non-Boussinesq regime. <i>Physics of Fluids</i> , 2015, 27, 086601. | 4.0 | 11 |
| 13 | Magnetohydrodynamic shear instabilities arising from interacting vorticity waves. , 2014, , . | | 0 |
| 14 | 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 |