

Igor Shevchenko

List of Publications by Year in descending order

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16
papers

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1040056

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16
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138
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A method for preserving nominally-resolved flow patterns in low-resolution ocean simulations: Dynamical system reconstruction. Ocean Modelling, 2022, 170, 101939. | 2.4 | 2 |
| 2 | Western boundary layer nonlinear control of the oceanic gyres. Journal of Fluid Mechanics, 2021, 918, . | 3.4 | 0 |
| 3 | A method for preserving large-scale flow patterns in low-resolution ocean simulations. Ocean Modelling, 2021, 161, 101795. | 2.4 | 7 |
| 4 | On dynamically unresolved oceanic mesoscale motions. Journal of Fluid Mechanics, 2021, 920, . | 3.4 | 11 |
| 5 | On non-uniqueness of the mesoscale eddy diffusivity. Journal of Fluid Mechanics, 2021, 920, . | 3.4 | 11 |
| 6 | On a minimum set of equations for parameterisations in comprehensive ocean circulation models. Ocean Modelling, 2021, 168, 101913. | 2.4 | 5 |
| 7 | Data Assimilation for a Quasi-Geostrophic Model with Circulation-Preserving Stochastic Transport Noise. Journal of Statistical Physics, 2020, 179, 1186-1221. | 1.2 | 22 |
| 8 | A Particle Filter for Stochastic Advection by Lie Transport: A Case Study for the Damped and Forced Incompressible Two-Dimensional Euler Equation. SIAM-ASA Journal on Uncertainty Quantification, 2020, 8, 1446-1492. | 2.0 | 20 |
| 9 | Modelling uncertainty using stochastic transport noise in a 2-layer quasi-geostrophic model. , 2020, 2, 173-205. | | 26 |
| 10 | Well-posedness of the Westervelt equation with higher order absorbing boundary conditions. Journal of Mathematical Analysis and Applications, 2019, 479, 1595-1617. | 1.0 | 3 |
| 11 | Numerically Modeling Stochastic Lie Transport in Fluid Dynamics. Multiscale Modeling and Simulation, 2019, 17, 192-232. | 1.6 | 65 |
| 12 | On the roles of baroclinic modes in eddy-resolving midlatitude ocean dynamics. Ocean Modelling, 2017, 111, 55-65. | 2.4 | 10 |
| 13 | Eddy Backscatter and Counter-Rotating Gyre Anomalies of Midlatitude Ocean Dynamics. Fluids, 2016, 1, 28. | 1.7 | 10 |
| 14 | Multi-layer quasi-geostrophic ocean dynamics in Eddy-resolving regimes. Ocean Modelling, 2015, 94, 1-14. | 2.4 | 35 |
| 15 | Absorbing boundary conditions for nonlinear acoustics: The Westervelt equation. Journal of Computational Physics, 2015, 302, 200-221. | 3.8 | 22 |
| 16 | Self-adapting absorbing boundary conditions for the wave equation. Wave Motion, 2012, 49, 461-473. | 2.0 | 7 |