

Lia Siegelman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8774761/publications.pdf>

Version: 2024-02-01

18
papers

476
citations

758635

12
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

682
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Oceanâ€Scale Interactions From Space. <i>Earth and Space Science</i> , 2019, 6, 795-817. | 1.1 | 90 |
| 2 | Enhanced upward heat transport at deep submesoscale ocean fronts. <i>Nature Geoscience</i> , 2020, 13, 50-55. | 5.4 | 84 |
| 3 | Submesoscale ocean fronts act as biological hotspot for southern elephant seal. <i>Scientific Reports</i> , 2019, 9, 5588. | 1.6 | 42 |
| 4 | Highâ€Frequency Submesoscale Motions Enhance the Upward Vertical Heat Transport in the Global Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016544. | 1.0 | 35 |
| 5 | Correction and Accuracy of High- and Low-Resolution CTD Data from Animal-Borne Instruments. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 745-760. | 0.5 | 31 |
| 6 | Energetic Submesoscale Dynamics in the Ocean Interior. <i>Journal of Physical Oceanography</i> , 2020, 50, 727-749. | 0.7 | 30 |
| 7 | Observations of Submesoscale Variability and Frontal Subduction within the Mesoscale Eddy Field of the Tasman Sea. <i>Journal of Physical Oceanography</i> , 2020, 50, 1509-1529. | 0.7 | 23 |
| 8 | A Deep Learning Approach to Spatiotemporal Sea Surface Height Interpolation and Estimation of Deep Currents in Geostrophic Ocean Turbulence. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2019MS001965. | 1.3 | 23 |
| 9 | Abundant mesopelagic fauna at oceanic high latitudes. <i>Marine Ecology - Progress Series</i> , 2016, 546, 277-282. | 0.9 | 21 |
| 10 | Moist convection drives an upscale energy transfer at Jovian high latitudes. <i>Nature Physics</i> , 2022, 18, 357-361. | 6.5 | 18 |
| 11 | A Correction for the Thermal Massâ€Induced Errors of CTD Tags Mounted on Marine Mammals. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 1237-1252. | 0.5 | 17 |
| 12 | Subâ€mesoscale fronts modify elephant seals foraging behavior. <i>Limnology and Oceanography Letters</i> , 2019, 4, 193-204. | 1.6 | 14 |
| 13 | GeophysicalFlows.jl: Solvers for geophysical fluid dynamics problems in periodic domains on CPUs GPUs. <i>Journal of Open Source Software</i> , 2021, 6, 3053. | 2.0 | 10 |
| 14 | Altimetry-Based Diagnosis of Deep-Reaching Sub-Mesoscale Ocean Fronts. <i>Fluids</i> , 2020, 5, 145. | 0.8 | 9 |
| 15 | Diagnosing Oceanâ€Waveâ€Turbulence Interactions From Space. <i>Geophysical Research Letters</i> , 2019, 46, 8933-8942. | 1.5 | 8 |
| 16 | Polar vortex crystals: Emergence and structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120486119. | 3.3 | 8 |
| 17 | Separating Energetic Internal Gravity Waves and Smallâ€Scale Frontal Dynamics. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 6 |
| 18 | Physical forcing on fish abundance in the southern California Current System. <i>Fisheries Oceanography</i> , 2018, 27, 475-488. | 0.9 | 3 |