

Eric Kunze

List of Publications by Year in descending order

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47
papers

5,846
citations

109311

35
h-index

214788

47
g-index

48
all docs

48
docs citations

48
times ranked

2661
citing authors

#	ARTICLE	IF	CITATIONS
1	Submarine Canyon Oxygen Anomaly Caused by Mixing and Boundary-Interior Exchange. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092995.	4.0	2
2	Energy Sinks for Lee Waves in Shear Flow. <i>Journal of Physical Oceanography</i> , 2019, 49, 2851-2865.	1.7	31
3	A Unified Model Spectrum for Anisotropic Stratified and Isotropic Turbulence in the Ocean and Atmosphere. <i>Journal of Physical Oceanography</i> , 2019, 49, 385-407.	1.7	21
4	Biologically Generated Mixing in the Ocean. <i>Annual Review of Marine Science</i> , 2019, 11, 215-226.	11.6	24
5	Internal-Wave-Driven Mixing: Global Geography and Budgets. <i>Journal of Physical Oceanography</i> , 2017, 47, 1325-1345.	1.7	119
6	Climate Process Team on Internal Wave-Driven Ocean Mixing. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 2429-2454.	3.3	235
7	The Internal-Wave-Driven Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2017, 47, 2673-2689.	1.7	38
8	Spontaneous Generation of Near-Inertial Waves by the Kuroshio Front. <i>Journal of Physical Oceanography</i> , 2015, 45, 2381-2406.	1.7	94
9	The Role of Intermittency in Internal-Wave Shear Dispersion. <i>Journal of Physical Oceanography</i> , 2015, 45, 2979-2990.	1.7	10
10	Observations of the internal tide on the California continental margin near Monterey Bay. <i>Continental Shelf Research</i> , 2014, 82, 60-71.	1.8	8
11	Global Patterns of Diapycnal Mixing from Measurements of the Turbulent Dissipation Rate. <i>Journal of Physical Oceanography</i> , 2014, 44, 1854-1872.	1.7	392
12	Internal Bores and Breaking Internal Tides on the Oregon Continental Slope. <i>Journal of Physical Oceanography</i> , 2013, 43, 120-139.	1.7	36
13	The Cascade of Tidal Energy from Low to High Modes on a Continental Slope. <i>Journal of Physical Oceanography</i> , 2012, 42, 1217-1232.	1.7	59
14	The effect of vertical and horizontal dilution on fertilized patch experiments. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	6
15	Turbulent Mixing and Exchange with Interior Waters on Sloping Boundaries. <i>Journal of Physical Oceanography</i> , 2012, 42, 910-927.	1.7	68
16	Observations of Internal Tides on the Oregon Continental Slope. <i>Journal of Physical Oceanography</i> , 2011, 41, 1772-1794.	1.7	55
17	Turbulence in a Sheared, Salt-Fingering-Favorable Environment: Anisotropy and Effective Diffusivities. <i>Journal of Physical Oceanography</i> , 2011, 41, 1144-1159.	1.7	21
18	On Turbulence Production by Swimming Marine Organisms in the Open Ocean and Coastal Waters. <i>Journal of Physical Oceanography</i> , 2010, 40, 2107-2121.	1.7	36

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19	Internal Tide Generation in the Deep Ocean. Annual Review of Fluid Mechanics, 2007, 39, 57-87.	25.0	537
20	Global Abyssal Mixing Inferred from Lowered ADCP Shear and CTD Strain Profiles. Journal of Physical Oceanography, 2006, 36, 1553-1576.	1.7	395
21	An Estimate of Tidal Energy Lost to Turbulence at the Hawaiian Ridge. Journal of Physical Oceanography, 2006, 36, 1148-1164.	1.7	187
22	Internal Tides and Turbulence along the 3000-m Isobath of the Hawaiian Ridge. Journal of Physical Oceanography, 2006, 36, 1165-1183.	1.7	91
23	Structure of the Baroclinic Tide Generated at Kaena Ridge, Hawaii. Journal of Physical Oceanography, 2006, 36, 1123-1135.	1.7	120
24	Observations of Biologically Generated Turbulence in a Coastal Inlet. Science, 2006, 313, 1768-1770.	12.6	114
25	Estimating Internal Wave Energy Fluxes in the Ocean. Journal of Atmospheric and Oceanic Technology, 2005, 22, 1551-1570.	1.3	220
26	The Role of Small-Scale Topography in Turbulent Mixing of the Global Ocean. Oceanography, 2004, 17, 55-64.	1.0	81
27	Internal Tide Reflection and Turbulent Mixing on the Continental Slope. Journal of Physical Oceanography, 2004, 34, 1117-1134.	1.7	223
28	A review of oceanic salt-fingering theory. Progress in Oceanography, 2003, 56, 399-417.	3.2	76
29	From Tides to Mixing Along the Hawaiian Ridge. Science, 2003, 301, 355-357.	12.6	312
30	Internal Tide Radiation from Mendocino Escarpment. Journal of Physical Oceanography, 2003, 33, 1510-1527.	1.7	109
31	Internal Waves in Monterey Submarine Canyon. Journal of Physical Oceanography, 2002, 32, 1890-1913.	1.7	280
32	The Finescale Response of Lowered ADCP Velocity Profiles. Journal of Atmospheric and Oceanic Technology, 2002, 19, 205-224.	1.3	104
33	Boundary layer intrusions from a sloping bottom: A mechanism for generating intermediate nepheloid layers. Journal of Geophysical Research, 2002, 107, 3-1.	3.3	72
34	Internal Wave-Wave Interactions. Part II: Spectral Energy Transfer and Turbulence Production. Journal of Physical Oceanography, 1999, 29, 2905-2919.	1.7	37
35	Tidally Driven Vorticity, Diurnal Shear, and Turbulence atop Fieberling Seamount. Journal of Physical Oceanography, 1997, 27, 2663-2693.	1.7	169
36	Near-boundary mixing above the flanks of a midlatitude seamount. Journal of Geophysical Research, 1997, 102, 947-959.	3.3	135

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37	Abyssal Mixing: Where It Is Not. <i>Journal of Physical Oceanography</i> , 1996, 26, 2286-2296.	1.7	109
38	The Energy Balance in a Warm-Core Ring's Near-Inertial Critical Layer. <i>Journal of Physical Oceanography</i> , 1995, 25, 942-957.	1.7	129
39	Submesoscale Dynamics near a Seamount. Part I: Measurements of Ertel Vorticity. <i>Journal of Physical Oceanography</i> , 1993, 23, 2567-2588.	1.7	48
40	The Depth Dependence of Shear Finestructure off Point Arena and near Pioneer Seamount. <i>Journal of Physical Oceanography</i> , 1992, 22, 29-41.	1.7	14
41	The evolution of salt fingers in inertial wave shear. <i>Journal of Marine Research</i> , 1990, 48, 471-504.	0.3	58
42	Observations of shear and vertical stability from a neutrally buoyant float. <i>Journal of Geophysical Research</i> , 1990, 95, 18127-18142.	3.3	104
43	Limits on growing, finite-length salt fingers: A Richardson number constraint. <i>Journal of Marine Research</i> , 1987, 45, 533-556.	0.3	117
44	Optical microstructure in the thermohaline staircase east of Barbados. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1987, 34, 1697-1704.	1.5	58
45	Near-Inertial Wave Propagation In Geostrophic Shear. <i>Journal of Physical Oceanography</i> , 1985, 15, 544-565.	1.7	574
46	Observations of Near-Inertial Waves in a Front. <i>Journal of Physical Oceanography</i> , 1984, 14, 566-581.	1.7	109
47	Quantifying Salt-Fingering Fluxes in the Ocean. <i>Geophysical Monograph Series</i> , 0, , 313-320.	0.1	3