

Eric Terrill

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

762
citations

623734

14
h-index

552781

26
g-index

43
all docs

43
docs citations

43
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretation of Coastal HF Radarâ€™s Derived Surface Currents with High-Resolution Drifter Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007, 24, 666-680.	1.3	110
2	CASPER: Coupled Airâ€™Sea Processes and Electromagnetic Ducting Research. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1449-1471.	3.3	99
3	SeaSonde Radial Velocities: Derivation and Internal Consistency. <i>IEEE Journal of Oceanic Engineering</i> , 2006, 31, 850-861.	3.8	71
4	Marine radar ocean wave retrievalâ€™s dependency on range and azimuth. <i>Ocean Dynamics</i> , 2014, 64, 999-1018.	2.2	47
5	Objectively mapping HF radar-derived surface current data using measured and idealized data covariance matrices. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	45
6	Monitoring Spawning Activity in a Southern California Marine Protected Area Using Molecular Identification of Fish Eggs. <i>PLoS ONE</i> , 2015, 10, e0134647.	2.5	43
7	Improving HF Radar Estimates of Surface Currents Using Signal Quality Metrics, with Application to the MVCO High-Resolution Radar System. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 1377-1390.	1.3	41
8	Ice Breakup Controls Dissipation of Wind Waves Across Southern Ocean Sea Ice. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087699.	4.0	30
9	Sound-speed measurements in the surface-wave layer. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 2607-2625.	1.1	29
10	Observations of Nonlinear Internal Wave Run-Up to the Surfzone. <i>Journal of Physical Oceanography</i> , 2018, 48, 531-554.	1.7	29
11	Observations of the frontal region of a buoyant river plume using an autonomous underwater vehicle. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7549-7567.	2.6	25
12	Mapping ocean outfall plumes and their mixing using autonomous underwater vehicles. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
13	Magnetic survey and autonomous target reacquisition with a scalar magnetometer on a small AUV. <i>Journal of Field Robotics</i> , 2020, 37, 1246-1266.	6.0	18
14	Alongshore Variability of Shoaling Internal Bores on the Inner Shelf. <i>Journal of Physical Oceanography</i> , 2020, 50, 2965-2981.	1.7	16
15	Robot Operating System (ROS) on the REMUS AUV using RECON. , 2018, , .		14
16	Internal tides over abrupt topography in the Southern California Bight: Observations of diurnal waves poleward of the critical latitude. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	13
17	Real-time estimation of ocean wave fields from marine radar data. , 2015, , .		13
18	An assessment of the transport of southern California stormwater ocean discharges. <i>Marine Pollution Bulletin</i> , 2015, 90, 135-142.	5.0	11

#	ARTICLE	IF	CITATIONS
19	Properties of HF RADAR Compact Antenna Arrays and Their Effect on the MUSIC Algorithm. , 2007, , .		10
20	Improving SeaSonde radial velocity accuracy and variance using radial metrics. , 2015, , .		9
21	Performance Assessments of Hurricane Wave Hindcasts. Journal of Marine Science and Engineering, 2021, 9, 690.	2.6	8
22	National IOOS high frequency radar search and rescue project. , 2011, , .		7
23	Interactions Between Nonlinear Internal Ocean Waves and the Atmosphere. Geophysical Research Letters, 2019, 46, 9291-9299.	4.0	7
24	CDIP: Maintaining a Robust and Reliable Ocean Observing Buoy Network. , 2019, , .		7
25	Synthetic baseline navigation using phase-coherent acoustic communication signals. Journal of the Acoustical Society of America, 2019, 146, 4831-4841.	1.1	6
26	X-Band Radar Mapping of Morphological Changes at a Dynamic Coastal Inlet. Journal of Geophysical Research F: Earth Surface, 2018, 123, 3034-3054.	2.8	5
27	DISPERSED OIL TRANSPORT MODELING CALIBRATED BY FIELD-COLLECTED DATA MEASURING FLUORESCIN DYE DISPERSION. International Oil Spill Conference Proceedings, 2008, 2008, 527-536.	0.1	5
28	An Integral View of the Gulf of Tonkin Seasonal Dynamics. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	5
29	Project Recover: Extending the Applications of Unmanned Platforms and Autonomy to Support Underwater MIA Searches. Oceanography, 2017, 30, 150-159.	1.0	4
30	Mapping velocity fields in coastal waters using an autonomous underwater vehicle. , 2015, , .		3
31	Quantifying the Impact of Nonlinear Internal Waves on the Marine Atmospheric Surface Layer. , 2019, , .		2
32	Autonomy system for USV/UUV coordinated sampling. , 2019, , .		2
33	CDIP observations of recent extreme wave conditions on U.S. coasts. Shore and Beach, 2021, , 41-45.	0.5	2
34	Integration and Evaluation of a Next-Generation Chirp-Style Sidescan Sonar on the REMUS 100. , 2018, , .		1
35	Observations of Shelf Exchange and High-Frequency Variability in an Alaskan Fjord. Journal of Geophysical Research: Oceans, 2018, 123, 4720-4734.	2.6	1
36	Robotic mapping of mixing and dispersion of augmented surface water in a drought frequent reservoir. Limnology and Oceanography: Methods, 2019, 17, 475-489.	2.0	1

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37	XMET—An Unattended Meteorological Sensing System for Austere Environments. Journal of Atmospheric and Oceanic Technology, 2021, 38, 17-30.	1.3	1
38	National high frequency radar network: Update. , 2009, , .		1
39	NOAA IOOS national HF radar network data management: Status and Plans. , 2008, , .		0
40	Tracking surface pollutants in Southern California coastal waters. , 2009, , .		0
41	The Integrated Ocean Observing System in support of maritime transportation. , 2009, , .		0
42	A Comparison of the Model and Full Scale Transom Wave of the R/V Athena. , 2010, , .		0
43	FIELD MEASUREMENTS OF FLUORESCHEIN DYE DISPERSION TO INFORM DISPERSED-OIL PLUME SAMPLING AND PROVIDE INPUT FOR OIL-TRANSPORT MODELING1. International Oil Spill Conference Proceedings, 2008, 2008, 515-525.	0.1	0