

Robert H Tyler

List of Publications by Year in descending order

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18
papers

731
citations

933447

10
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite Observations of Magnetic Fields Due to Ocean Tidal Flow. <i>Science</i> , 2003, 299, 239-241.	12.6	155
2	CM5, a pre-Swarm comprehensive geomagnetic field model derived from over 12Åyr of CHAMP, Årsted, SAC-C and observatory data. <i>Geophysical Journal International</i> , 2015, 200, 1596-1626.	2.4	137
3	Strong ocean tidal flow and heating on moons of the outer planets. <i>Nature</i> , 2008, 456, 770-772.	27.8	114
4	Electrical conductivity of the global ocean. <i>Earth, Planets and Space</i> , 2017, 69, 156.	2.5	85
5	Ocean tides heat Enceladus. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	52
6	A simple formula for estimating the magnetic fields generated by tsunami flow. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	51
7	Extracting ocean-generated tidal magnetic signals from <i>Swarm</i> data through satellite gradiometry. <i>Geophysical Research Letters</i> , 2016, 43, 3237-3245.	4.0	48
8	Simulations of magnetic fields generated by the Antarctic Circumpolar Current at satellite altitude: Can geomagnetic measurements be used to monitor the flow?. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	29
9	Advantage of wavelet technique to highlight the observed geomagnetic perturbations linked to the Chilean tsunami (2010). <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3077-3093.	2.4	27
10	Geophysical Challenges in Using Large-Scale Ocean-Generated EM Fields to Determine the Ocean Flow. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997, 49, 1351-1372.	0.9	12
11	Predictability of Ocean Heat Content From Electrical Conductance. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 667-679.	2.6	8
12	Geoelectric Monitoring of Wind-Driven Barotropic Transports in the Baltic Sea. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007, 24, 1655-1664.	1.3	6
13	Electromagnetic forces on the earth's core due to the poleward transport of heat in the oceans. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1998, 88, 115-129.	1.2	2
14	Weak influences of the Earth's magnetic field on ocean circulation. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	2
15	A Century of Tidal Variability in the North Pacific Extracted From Hourly Geomagnetic Observatory Measurements at Honolulu. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094435.	4.0	2
16	A Prototype for Remote Monitoring of Ocean Heat Content Anomalies. <i>Journal of Atmospheric and Oceanic Technology</i> , 2022, 39, 667-688.	1.3	1
17	Long- and Short-Term Geomagnetic Prediction. , 2019, , 312-326.		0
18	Normal modes and resonance in Ontario Lacus: a hydrocarbon lake of Titan. <i>Ocean Dynamics</i> , 2019, 69, 1121-1132.	2.2	0