

# Robert H Tyler

## List of Publications by Year in descending order

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Version: 2024-02-01

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