

C C Balch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4961782/publications.pdf>

Version: 2024-02-01

9
papers

487
citations

1163117
8
h-index

1474206
9
g-index

11
all docs

11
docs citations

11
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Geomagnetically induced currents: Science, engineering, and applications readiness. <i>Space Weather</i> , 2017, 15, 828-856.	3.7	149
2	Community-wide validation of geospace model ground magnetic field perturbation predictions to support model transition to operations. <i>Space Weather</i> , 2013, 11, 369-385.	3.7	136
3	Methodology for time-domain estimation of storm time geoelectric fields using the 3-D magnetotelluric response tensors. <i>Space Weather</i> , 2017, 15, 874-894.	3.7	59
4	Geoelectric hazard maps for the continental United States. <i>Geophysical Research Letters</i> , 2016, 43, 9415-9424.	4.0	38
5	Community-wide validation of geospace model local K-index predictions to support model transition to operations. <i>Space Weather</i> , 2016, 14, 469-480.	3.7	27
6	Magnetic Storms and Induction Hazards. <i>Eos</i> , 2014, 95, 445-446.	0.1	23
7	Comparison Between 1-D and 3-D Geoelectric Field Methods to Calculate Geomagnetically Induced Currents: A Case Study. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 2163-2172.	4.3	20
8	A Gray-Box Model for a Probabilistic Estimate of Regional Ground Magnetic Perturbations: Enhancing the NOAA Operational Geospace Model With Machine Learning. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027684.	2.4	20
9	Characterizing Auroral Zone Absorption Based on Global Kp and Regional Geomagnetic Hourly Range Indices. <i>Space Weather</i> , 2020, 18, e2020SW002572.	3.7	7