

# 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	Characterizing Auroralâ€Zone Absorption Based on Global Kp and Regional Geomagnetic Hourly Range Indices. <i>Space Weather</i> , 2020, 18, e2020SW002572.	3.7	7
2	A Grayâ€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
3	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
4	Geomagnetically induced currents: Science, engineering, and applications readiness. <i>Space Weather</i> , 2017, 15, 828-856.	3.7	149
5	Methodology for timeâ€domain estimation of storm time geoelectric fields using the 3â€D magnetotelluric response tensors. <i>Space Weather</i> , 2017, 15, 874-894.	3.7	59
6	Geoelectric hazard maps for the continental United States. <i>Geophysical Research Letters</i> , 2016, 43, 9415-9424.	4.0	38
7	Communityâ€wide validation of geospace model local Kâ€index predictions to support model transition to operations. <i>Space Weather</i> , 2016, 14, 469-480.	3.7	27
8	Magnetic Storms and Induction Hazards. <i>Eos</i> , 2014, 95, 445-446.	0.1	23
9	Communityâ€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