

Alex D P Hands

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A New Model for Nowcasting the Aviation Radiation Environment With Comparisons to In Situ Measurements During GLEs. <i>Space Weather</i> , 2022, 20, .	3.7	5
2	Detecting Ground Level Enhancements Using Soil Moisture Sensor Networks. <i>Space Weather</i> , 2021, 19, e2021SW002800.	3.7	4
3	An Update to MOBE-DIC Using Current Monitor Measurements From Galileo. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 181-190.	2.0	1
4	Single-Event Effects in Ground-Level Infrastructure During Extreme Ground-Level Enhancements. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 1139-1143.	2.0	6
5	Data Exploitation of New Galileo Environmental Monitoring Units. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 1761-1769.	2.0	11
6	Validation of Internal Charging Tools With Experiments in REEF. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3824-3833.	1.3	4
7	Study of internal charging of four commonly used polymers through experimental and numerical analysis. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	4
8	A Citizen Science Network for Measurements of Atmospheric Ionizing Radiation Levels. <i>Space Weather</i> , 2019, 17, 877-893.	3.7	4
9	Extreme Atmospheric Radiation Environments and Single Event Effects. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 432-438.	2.0	29
10	Zenith: A Radiosonde Detector for Rapid Response Ionizing Atmospheric Radiation Measurements During Solar Particle Events. <i>Space Weather</i> , 2018, 16, 261-272.	3.7	2
11	Realistic Worst Case for a Severe Space Weather Event Driven by a Fast Solar Wind Stream. <i>Space Weather</i> , 2018, 16, 1202-1215.	3.7	23
12	Radiation Effects on Satellites During Extreme Space Weather Events. <i>Space Weather</i> , 2018, 16, 1216-1226.	3.7	32
13	Modeling of Electric Fields Inside Spacecraft Dielectrics Using In-Orbit Charging Current Data. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 1927-1932.	1.3	8
14	Experimental Measurement of Low-Intensity and Long-Duration Internal Charging Behavior. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 1938-1946.	1.3	8
15	New Data and Modelling for Single Event Effects in the Stratospheric Radiation Environment. <i>IEEE Transactions on Nuclear Science</i> , 2017, 64, 587-595.	2.0	8
16	Cosmic radiation dose measurements from the RaD-X flight campaign. <i>Space Weather</i> , 2016, 14, 874-898.	3.7	30
17	Extreme internal charging currents in medium Earth orbit: Analysis of SURF plate currents on Giove-A. <i>Space Weather</i> , 2016, 14, 578-591.	3.7	10
18	Ground-based evaluation of dosimeters for NASA high-altitude balloon flight. <i>Space Weather</i> , 2016, 14, 1011-1025.	3.7	13

#	ARTICLE	IF	CITATIONS
19	The disappearance of the pfotzer-regener maximum in dose equivalent measurements in the stratosphere. <i>Space Weather</i> , 2016, 14, 776-785.	3.7	12
20	A New Model of Outer Belt Electrons for Dielectric Internal Charging (MOBE-DIC). <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 2767-2775.	2.0	10
21	Advances in Atmospheric Radiation Measurements and Modeling Needed to Improve Air Safety. <i>Space Weather</i> , 2015, 13, 202-210.	3.7	30
22	Radiation measurements onboard aircraft in the South Atlantic region. <i>Radiation Measurements</i> , 2015, 82, 14-20.	1.4	11
23	Single Event Effects in Power MOSFETs Due to Atmospheric and Thermal Neutrons. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 2687-2694.	2.0	36
24	Evaluation of new cosmic radiation monitors designed for aircrew exposure assessment. <i>Space Weather</i> , 2010, 8, n/a-n/a.	3.7	13
25	Comparison of codes assessing galactic cosmic radiation exposure of aircraft crew. <i>Radiation Protection Dosimetry</i> , 2009, 136, 317-323.	0.8	27
26	A Technique for Measuring Dose Equivalent and Neutron Fluxes in Radiation Environments Using Silicon Diodes. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 3442-3449.	2.0	18
27	Advances in Measuring and Modeling the Atmospheric Radiation Environment. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 3415-3422.	2.0	28
28	SEU Rates in Atmospheric Environments: Variations Due to Cross-Section Fits and Environment Models. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 2026-2034.	2.0	20
29	Solar Particle Events in the QinetiQ Atmospheric Radiation Model. <i>IEEE Transactions on Nuclear Science</i> , 2007, 54, 1071-1075.	2.0	29
30	Neutron-Induced Single Event Effects Testing Across a Wide Range of Energies and Facilities and Implications for Standards. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 3596-3601.	2.0	38