

# Keith A Ryden

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

465  
citations

840776

11  
h-index

713466

21  
g-index

25  
all docs

25  
docs citations

25  
times ranked

574  
citing authors

#	ARTICLE	IF	CITATIONS
1	A solar cycle of spacecraft anomalies due to internal charging. <i>Annales Geophysicae</i> , 2002, 20, 953-956.	1.6	104
2	Development of Space Weather Reasonable Worst-Case Scenarios for the UK National Risk Assessment. <i>Space Weather</i> , 2021, 19, e2020SW002593.	3.7	41
3	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
4	Radiation Effects on Satellites During Extreme Space Weather Events. <i>Space Weather</i> , 2018, 16, 1216-1226.	3.7	32
5	Advances in Atmospheric Radiation Measurements and Modeling Needed to Improve Air Safety. <i>Space Weather</i> , 2015, 13, 202-210.	3.7	30
6	Cosmic radiation dose measurements from the RaD-X flight campaign. <i>Space Weather</i> , 2016, 14, 874-898.	3.7	30
7	Extreme Atmospheric Radiation Environments and Single Event Effects. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 432-438.	2.0	29
8	Advances in Measuring and Modeling the Atmospheric Radiation Environment. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 3415-3422.	2.0	28
9	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
10	Results From the Galileo Giove-A Radiation Monitors and Comparison With Existing Radiation Belt Models. <i>IEEE Transactions on Nuclear Science</i> , 2007, 54, 1076-1081.	2.0	15
11	The disappearance of the pfozter-regener maximum in dose equivalent measurements in the stratosphere. <i>Space Weather</i> , 2016, 14, 776-785.	3.7	12
12	Data Exploitation of New Galileo Environmental Monitoring Units. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 1761-1769.	2.0	11
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Validation of Internal Charging Tools With Experiments in REEF. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3824-3833.	1.3	4
21	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
22	A Citizen Science Network for Measurements of Atmospheric Ionizing Radiation Levels. <i>Space Weather</i> , 2019, 17, 877-893.	3.7	4
23	Detecting Ground Level Enhancements Using Soil Moisture Sensor Networks. <i>Space Weather</i> , 2021, 19, e2021SW002800.	3.7	4
24	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
25	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