

# Michael McCarthy

## List of Publications by Year in descending order

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25  
papers

741  
citations

623188

14  
h-index

676716

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

928  
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray observations of MeV electron precipitation with a balloon-borne germanium spectrometer. <i>Geophysical Research Letters</i> , 2002, 29, 47-1-47-4.	1.5	128
2	The Balloon Array for RBSP Relativistic Electron Losses (BARREL). <i>Space Science Reviews</i> , 2013, 179, 503-530.	3.7	76
3	A summary of the BARREL campaigns: Technique for studying electron precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4922-4935.	0.8	65
4	Global Distribution of Superbolts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9996-10005.	1.2	61
5	First detection of a terrestrial MeV X-ray burst. <i>Geophysical Research Letters</i> , 1998, 25, 4109-4112.	1.5	59
6	Moon-solar wind interactions: First results from the WIND/3DP Experiment. <i>Geophysical Research Letters</i> , 1996, 23, 1259-1262.	1.5	53
7	The subsolar magnetosheath and magnetopause for high solar wind ram pressure: WIND observations. <i>Geophysical Research Letters</i> , 1996, 23, 1279-1282.	1.5	48
8	Lightning in the Arctic. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091366.	1.5	47
9	Investigating energetic electron precipitation through combining ground-based and balloon observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 534-546.	0.8	31
10	Rapid fluctuations of stratospheric electric field following a solar energetic particle event. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	27
11	Energy spectra of $\sim 170$ – $360$ keV electron microbursts measured by the Korean STSAT-1. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	24
12	Large-Amplitude Mountain Waves in the Mesosphere Observed on 21 June 2014 During DEEPWAVE: 1. Wave Development, Scales, Momentum Fluxes, and Environmental Sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10364-10384.	1.2	21
13	Probing the Earth's bow shock with upstream electrons. <i>Geophysical Research Letters</i> , 1996, 23, 2203-2206.	1.5	20
14	Upstream and magnetosheath energetic ions with energies to $\sim 2$ MeV. <i>Geophysical Research Letters</i> , 1996, 23, 1223-1226.	1.5	14
15	Modeling of upstream energetic particle events observed by WIND. <i>Geophysical Research Letters</i> , 1996, 23, 1227-1230.	1.5	13
16	The Discovery of Auroral X-Rays by Balloon-Borne Detectors and Their Contributions to Magnetospheric Research. <i>Geophysical Monograph Series</i> , 2013, , 17-23.	0.1	10
17	Analysis and modeling of microburst precipitation. <i>Geophysical Research Letters</i> , 1996, 23, 1729-1732.	1.5	9
18	The Midlatitude Thermospheric Dynamics From an Interhemispheric Perspective. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7971-7983.	0.8	9

#	ARTICLE	IF	CITATIONS
19	WIND observations of energetic ions far upstream of the Earth's bow-shock. Geophysical Research Letters, 1996, 23, 1215-1218.	1.5	7
20	Ion beams observed in the near Earth plasma sheet region on May 10, 1996. Geophysical Research Letters, 1997, 24, 975-978.	1.5	6
21	Active Precipitation of Radiation Belt Electrons using Rocket Exhaust Driven Amplification (REDA) of Man-Made Whistlers. Journal of Geophysical Research: Space Physics, 0, , .	0.8	5
22	Search for lightning-induced electron precipitation with rocket-borne photometers. Geophysical Research Letters, 1990, 17, 2217-2220.	1.5	2
23	Measurement of 0-25 eV Ions with a Retarding Potential Analyzer on the Cluster Ion Spectroscopy Experiment. Geophysical Monograph Series, 0, , 97-103.	0.1	2
24	Long-term instrumental parameter investigation of a Fabry-Perot spectrometer at an isolated field station. Applied Optics, 2011, 50, 1951.	2.1	1
25	Comments and questions on the plasma sheet boundary and boundary layer. Geophysical Monograph Series, 1995, , 385-390.	0.1	0