Adam C Kellerman

List of Publications by Year
in descending order

47	1,254	394421	377865
papers	**citations**	**19**	**34**
		h-index	**g-index**

51	51	51	1119
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Geomagnetically Induced Currents at Middle Latitudes: 1. Quiet‐Time Variability. Space Weather, 2022, 20, e2021SW002729.	3.7	4
2	Resolving Magnetopause Shadowing Using Multimission Measurements of Phase Space Density. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	17
3	Revealing Novel Connections Between Space Weather and the Power Grid: Network Analysis of Ground‐Based Magnetometer and Geomagnetically Induced Currents (GIC) Measurements. Space Weather, 2022, 20, .	3.7	3
4	Trapped Electron Energy Inferred From Cosmic Noise Absorption Signals Through Drift‐Time Analysis in Empirical Electric and Semi‐Empirical Magnetic Fields. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028887.	2.4	3
5	Characteristics of Substorm‐Onset‐Related and Nonsubstorm Earthward Fast Flows and Associated Magnetic Flux Transport: THEMIS Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028313.	2.4	4
6	Developing the LDi and LCi Geomagnetic Indices, an Example of Application of the AULs Framework. Space Weather, 2020, 18, e2019SW002171.	3.7	9
7	Adiabatic Invariants Calculations for Cluster Mission: A Long‐Term Product for Radiation Belts Studies. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027576.	2.4	7
8	Transport and Loss of Ring Current Electrons Inside Geosynchronous Orbit During the 17 March 2013 Storm. Journal of Geophysical Research: Space Physics, 2019, 124, 915-933.	2.4	11
9	Electron Intensity Measurements by the Cluster/RAPID/IES Instrument in Earth's Radiation Belts and Ring Current. Space Weather, 2019, 17, 553-566.	3.7	13
10	Application usability levels: a framework for tracking project product progress. Journal of Space Weather and Space Climate, 2019, 9, A34.	3.3	13
11	The dynamics of Van Allen belts revisited. Nature Physics, 2018, 14, 102-103.	16.7	31
12	An Event on Simultaneous Amplification of Exohiss and Chorus Waves Associated With Electron Density Enhancements. Journal of Geophysical Research: Space Physics, 2018, 123, 8958-8968.	2.4	8
13	Snakes on a Spaceship—An Overview of Python in Heliophysics. Journal of Geophysical Research: Space Physics, 2018, 123, 10,384.	2.4	28
14	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. Journal of Geophysical Research: Space Physics, 2018, 123, 6394-6423.	2.4	20
15	Calculation of Last Closed Drift Shells for the 2013 GEM Radiation Belt Challenge Events. Journal of Geophysical Research: Space Physics, 2018, 123, 9597-9611.	2.4	27
16	On the Initial Enhancement of Energetic Electrons and the Innermost Plasmapause Locations: Coronal Mass Ejection‐Driven Storm Periods. Journal of Geophysical Research: Space Physics, 2018, 123, 9252-9264.	2.4	20
17	Prediction of MeV Electron Fluxes and Forecast Verification. , 2018, , 259-278.		2
18	Multi‐MeV electron loss in the heart of the radiation belts. Geophysical Research Letters, 2017, 44, 1204-1209.	4.0	89

#	Article	IF	Citations
19	The role of the convection electric field in filling the slot region between the inner and outer radiation belts. Journal of Geophysical Research: Space Physics, 2017, 122, 2051-2068.	2.4	25
20	Interactions between energetic electrons and realistic whistler mode waves in the Jovian magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5355-5364.	2.4	5
21	Signatures of Ultrarelativistic Electron Loss in the Heart of the Outer Radiation Belt Measured by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2017, 122, 10,102.	2.4	30
22	EMIC wave parameterization in the longâ€term VERB code simulation. Journal of Geophysical Research: Space Physics, 2017, 122, 8488-8501.	2.4	55
23	Dependence of radiation belt simulations to assumed radial diffusion rates tested for two empirical models of radial transport. Space Weather, 2017, 15, 150-162.	3.7	29
24	Numerical applications of the advectiveâ€diffusive codes for the inner magnetosphere. Space Weather, 2016, 14, 993-1010.	3.7	15
25	Wave-induced loss of ultra-relativistic electrons in the Van Allen radiation belts. Nature Communications, 2016, 7, 12883.	12.8	127
26	Contamination in electron observations of the silicon detector on board Cluster/RAPID/IES instrument in Earth's radiation belts and ring current. Space Weather, 2016, 14, 449-462.	3.7	9
27	Combined convective and diffusive simulations: VERBâ€4D comparison with 17 March 2013 Van Allen Probes observations. Geophysical Research Letters, 2015, 42, 9600-9608.	4.0	67
28	Characterization of the energyâ€dependent response of riometer absorption. Journal of Geophysical Research: Space Physics, 2015, 120, 615-631.	2.4	14
29	On the azimuthal evolution and geoeffectiveness of the SIRâ€associated stream interface. Journal of Geophysical Research: Space Physics, 2015, 120, 1489-1508.	2.4	2
30	Energetic, relativistic, and ultrarelativistic electrons: Comparison of longâ€term VERB code simulations with Van Allen Probes measurements. Journal of Geophysical Research: Space Physics, 2015, 120, 3574-3587.	2.4	67
31	Electric field control of E region coherent echoes: Evidence from radar observations at the South Pole. Journal of Geophysical Research: Space Physics, 2015, 120, 2148-2165.	2.4	8
32	Threeâ€dimensional data assimilation and reanalysis of radiation belt electrons: Observations of a fourâ€zone structure using five spacecraft and the VERB code. Journal of Geophysical Research: Space Physics, 2014, 119, 8764-8783.	2.4	31
33	Noise statistics identification for Kalman filtering of the electron radiation belt observations I: Model errors. Journal of Geophysical Research: Space Physics, 2014, 119, 5700-5724.	2.4	6
34	Noise statistics identification for Kalman filtering of the electron radiation belt observations: 2. Filtration and smoothing. Journal of Geophysical Research: Space Physics, 2014, 119, 5725-5743.	2.4	2
35	Ionospheric precursors to large earthquakes: A case study of the 2011 Japanese Tohoku Earthquake. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 102, 290-297.	1.6	23
36	Application of a new data operatorâ€splitting data assimilation technique to the 3â€D VERB diffusion code and CRRES measurements. Geophysical Research Letters, 2013, 40, 4998-5002.	4.0	32

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37	Unusual stable trapping of the ultrarelativistic electrons in the Van Allen radiation belts. Nature Physics, 2013, 9, 699-703.	16.7	143
38	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. Journal of Geophysical Research: Space Physics, 2013, 118, 284-298.	2.4	59
39	A Geosynchronous Radiation-belt Electron Empirical Prediction (GREEP) model. Space Weather, 2013, 11, 463-475.	3.7	15
40	Radial distributions of equatorial phase space density for outer radiation belt electrons. Geophysical Research Letters, 2012, 39, .	4.0	68
41	On the influence of solar wind conditions on the outer-electron radiation belt. Journal of Geophysical Research, 2012, 117, .	3.3	53
42	The response of auroral absorption to substorm onset: Superposed epoch and propagation analyses. Journal of Geophysical Research, 2011, 116, .	3.3	8
43	SAPS intensification during substorm recovery: A multi-instrument case study. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	20
44	First observations of simultaneous interhemispheric conjugate high-latitude thermospheric winds. Journal of Geophysical Research, 2010, 115, .	3.3	7
45	On the relationship between auroral absorption, electrojet currents and plasma convection. Annales Geophysicae, 2009, 27, 473-486.	1.6	5
46	Time evolution of the subauroral electric fields: A case study during a sequence of two substorms. Journal of Geophysical Research, 2009, 114, .	3.3	19
47	Ensemble Modeling of Radiation Belt Electron Flux Decay Following a Geomagnetic Storm: Dependence on Key Input Parameters. Space Weather, 0, , .	3.7	1