

# Louis G Ozeke

## List of Publications by Year in descending order

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46  
papers

1,905  
citations

257429

24  
h-index

254170

43  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radial Transport Versus Local Acceleration: The Long-Running Debate. <i>Earth and Space Science</i> , 2022, 9, .	2.6	7
2	Statistical Characteristics of Energetic Electron Pitch Angle Distributions in the Van Allen Probe Era: 1. Butterfly Distributions With Flux Peaks at Preferred Pitch Angles. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	3
3	ULF Wave Driven Radial Diffusion During Geomagnetic Storms: A Statistical Analysis of Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029024.	2.4	30
4	On the Formation of Phantom Electron Phase Space Density Peaks in Single Spacecraft Radiation Belt Data. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092351.	4.0	9
5	Detection of Hertz Frequency Multiharmonic Field Line Resonances at Low- $L$ ( $L \approx 1.1$ – $1.5$ ) During Van Allen Probe Perigee Passes. <i>Geophysical Research Letters</i> , 2021, 48, 2020GL090632.	4.0	2
6	A Tale of Two Radiation Belts: The Energy-Dependence of Self-Limiting Electron Space Radiation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095779.	4.0	13
7	On the Similarity and Repeatability of Fast Radiation Belt Loss: Role of the Last Closed Drift Shell. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029957.	2.4	10
8	A Framework for Understanding and Quantifying the Loss and Acceleration of Relativistic Electrons in the Outer Radiation Belt During Geomagnetic Storms. <i>Space Weather</i> , 2020, 18, e2020SW002477.	3.7	11
9	Rapid Outer Radiation Belt Flux Dropouts and Fast Acceleration During the March 2015 and 2013 Storms: The Role of Ultra-Low Frequency Wave Transport From a Dynamic Outer Boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027179.	2.4	30
10	The March 2015 Superstorm Revisited: Phase Space Density Profiles and Fast ULF Wave Diffusive Transport. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1143-1156.	2.4	21
11	On the Relative Strength of Electric and Magnetic ULF Wave Radial Diffusion During the March 2015 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2569-2587.	2.4	23
12	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1938-1952.	2.4	86
13	Reply to 'The dynamics of Van Allen belts revisited'. <i>Nature Physics</i> , 2018, 14, 103-104.	16.7	14
14	Diagnosing the Role of Alfvén Waves in Magnetosphere-Ionosphere Coupling: Swarm Observations of Large Amplitude Nonstationary Magnetic Perturbations During an Interval of Northward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 326-340.	2.4	39
15	The Role of Localized Compressional Ultra-Low Frequency Waves in Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1900-1914.	2.4	36
16	On the Role of Last Closed Drift Shell Dynamics in Driving Fast Losses and Van Allen Radiation Belt Extinction. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3692-3703.	2.4	40
17	Explaining the apparent impenetrable barrier to ultra-relativistic electrons in the outer Van Allen belt. <i>Nature Communications</i> , 2018, 9, 1844.	12.8	30
18	A comparison of small-scale magnetic fluctuations in the Region 1 and 2 field-aligned current systems. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3277-3290.	2.4	5

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19	Ultra-relativistic radiation belt extinction and ULF wave radial diffusion: Modeling the September 2014 extended dropout event. <i>Geophysical Research Letters</i> , 2017, 44, 2624-2633.	4.0	42
20	How quickly, how deeply, and how strongly can dynamical outer boundary conditions impact Van Allen radiation belt morphology?. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5553-5558.	2.4	17
21	Explaining the dynamics of the ultra-relativistic third Van Allen radiation belt. <i>Nature Physics</i> , 2016, 12, 978-983.	16.7	97
22	Magnetic field power spectra and magnetic radial diffusion coefficients using CRRES magnetometer data. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 973-995.	2.4	25
23	A ULF wave driver of ring current energization. <i>Geophysical Research Letters</i> , 2014, 41, 6595-6602.	4.0	13
24	Modeling cross L shell impacts of magnetopause shadowing and ULF wave radial diffusion in the Van Allen belts. <i>Geophysical Research Letters</i> , 2014, 41, 6556-6562.	4.0	29
25	Analytic expressions for ULF wave radiation belt radial diffusion coefficients. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1587-1605.	2.4	179
26	Discovery of the action of a geophysical synchrotron in the Earth's Van Allen radiation belts. <i>Nature Communications</i> , 2013, 4, .	12.8	104
27	Ground-based magnetometer determination of in situ Pc4-5 ULF electric field wave spectra as a function of solar wind speed. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
28	ULF wave derived radiation belt radial diffusion coefficients. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	98
29	The correlation of ULF waves and auroral intensity before, during and after substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
30	The Outer Radiation Belt Injection, Transport, Acceleration and Loss Satellite (ORBITALS): A Proposed Canadian Small Satellite Mission for ILWS. , 2009, , .		0
31	Reply to comment by K. Liou and Y.-L. Zhang on "Wavelet-based ULF wave diagnosis of substorm expansion phase onset". <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
32	Mapping guided Alfvén wave magnetic field amplitudes observed on the ground to equatorial electric field amplitudes in space. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
33	Wavelet-based ULF wave diagnosis of substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	40
34	The Upgraded CARISMA Magnetometer Array in the THEMIS Era. <i>Space Science Reviews</i> , 2008, 141, 413-451.	8.1	258
35	Drift resonant generation of peaked relativistic electron distributions by Pc 5 ULF waves. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	77
36	Energization of radiation belt electrons by ring current ion driven ULF waves. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	57

#	ARTICLE	IF	CITATIONS
37	Ground magnetometer observation of a cross-phase reversal at a steep plasmapause. Journal of Geophysical Research, 2007, 112, .	3.3	23
38	Plasmaspheric depletion, refilling, and plasmapause dynamics: A coordinated ground-based and IMAGE satellite study. Journal of Geophysical Research, 2006, 111, .	3.3	50
39	Radial diffusion of relativistic electrons into the radiation belt slot region during the 2003 Halloween geomagnetic storms. Journal of Geophysical Research, 2006, 111, .	3.3	86
40	High and low ionospheric conductivity standing guided Alfvén wave eigenfrequencies: A model for plasma density mapping. Journal of Geophysical Research, 2005, 110, .	3.3	14
41	The influence of asymmetric ionospheric Pedersen conductances on the field-aligned phase variation of guided toroidal and guided poloidal Alfvén waves. Journal of Geophysical Research, 2005, 110, .	3.3	11
42	Modeling the properties of guided poloidal Alfvén waves with finite asymmetric ionospheric conductivities in a dipole field. Journal of Geophysical Research, 2004, 109, .	3.3	31
43	A coordinated ground-based and IMAGE satellite study of quiet-time plasmaspheric density profiles. Geophysical Research Letters, 2003, 30, .	4.0	41
44	Modeling the properties of high-mAlfvén waves driven by the drift-bounce resonance mechanism. Journal of Geophysical Research, 2001, 106, 15583-15597.	3.3	47
45	The Role of Ultralow Frequency Waves in Radiation Belt Dynamics. Geophysical Monograph Series, 0, , 69-92.	0.1	21
46	ULF Wave-Driven Radial Diffusion Simulations of the Outer Radiation Belt. Geophysical Monograph Series, 0, , 139-150.	0.1	9