

Yoshiharu Omura

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

230
papers

7,343
citations

45
h-index

76
g-index

266
ext. papers

8,124
ext. citations

2.8
avg, IF

6.18
L-index

#	Paper	IF	Citations
230	Simultaneous Observations of EMIC-Induced Drifting Electron Holes (EDEHs) in the Earth's Radiation Belt by the Arase Satellite, Van Allen Probes, and THEMIS. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
229	Multipoint Analysis of Source Regions of EMIC Waves and Rapid Growth of Subpackets. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029514	2.6	
228	Origin of Frequency-Doubling and Shoulder-Like Magnetic Pulsations in ULF Waves. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL096532	4.9	2
227	Drift Resonance Between Particles and Compressional Toroidal ULF Waves in Dipole Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028842	2.6	6
226	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultra-low Frequency Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028912	2.6	2
225	Nonlinear wave growth theory of whistler-mode chorus and hiss emissions in the magnetosphere. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	18
224	Subpacket structure in strong VLF chorus rising tones: characteristics and consequences for relativistic electron acceleration. <i>Earth, Planets and Space</i> , 2021 , 73, 140	2.9	2
223	Fine Structure of Chorus Wave Packets: Comparison Between Observations and Wave Generation Models. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029330	2.6	5
222	Measurability of the Nonlinear Response of Electron Distribution Function to Chorus Emissions in the Earth's Radiation Belt. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029624	2.6	2
221	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027488	2.6	5
220	Nonlinear Evolution of Radiation Belt Electron Fluxes Interacting With Oblique Whistler Mode Chorus Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027465	2.6	10
219	Nonlinear Wave Growth Analysis of Whistler-Mode Chorus Generation Regions Based on Coupled MHD and Advection Simulation of the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA026951	2.6	1
218	Acceleration mechanism of radiation belt electrons through interaction with multi-subpacket chorus waves. <i>Earth, Planets and Space</i> , 2020 , 72,	2.9	12
217	Roles of Magnetospheric Convection on Nonlinear Drift Resonance Between Electrons and ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027787	2.6	3
216	The Impenetrable Barrier: Suppression of Chorus Wave Growth by VLF Transmitters. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027913	2.6	2
215	Particle Simulation of the Generation of Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027973	2.6	4
214	A Model of the Subpacket Structure of Rising Tone Chorus Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028094	2.6	10

213	Full Particle Simulation of Whistler-Mode Triggered Falling-Tone Emissions in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027953	2.6	2
212	Localized breaking of parameter uniformity by macroscopically-negative-permeability metamaterial in low-pressure microwave plasma. <i>Plasma Sources Science and Technology</i> , 2020 , 29, 035012	2.5	1
211	Modulation of Electromagnetic Ion Cyclotron Waves by Pc5 ULF Waves and Energetic Ring Current Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1992-2009	2.6	3
210	Novel nonlinear mechanism of the generation of non-thermal continuum radiation. <i>Physics of Plasmas</i> , 2019 , 26, 022904	2.1	5
209	Evaluation of Plasma Properties From Chorus Waves Observed at the Generation Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4125-4136	2.6	4
208	Cyclotron Acceleration of Relativistic Electrons Through Landau Resonance With Obliquely Propagating Whistler-Mode Chorus Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2795	2.6	18
207	Rapid Precipitation of Relativistic Electron by EMIC Rising-Tone Emissions Observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6701-6714	2.6	18
206	Nonlinear wave-particle interactions in the Earth's inner magnetosphere: Dynamic variation of the Earth's outer radiation belt due to whistler-mode chorus and EMIC waves. <i>URSI Radio Science Bulletin</i> , 2019 , 2019, 10-16	0.1	
205	Invariance of parameter identification in multiscales of meta-atoms in metamaterials. <i>Advances in Physics: X</i> , 2018 , 3, 1433551	5.1	1
204	Particle simulation of electromagnetic emissions from electrostatic instability driven by an electron ring beam on the density gradient. <i>Physics of Plasmas</i> , 2018 , 25, 042905	2.1	8
203	Wave propagation in and around negative-dielectric-constant discharge plasma. <i>Physics of Plasmas</i> , 2018 , 25, 031901	2.1	12
202	Nonlinear dynamics of resonant electrons interacting with coherent Langmuir waves. <i>Physics of Plasmas</i> , 2018 , 25, 032105	2.1	11
201	Dependence of Generation of Whistler Mode Chorus Emissions on the Temperature Anisotropy and Density of Energetic Electrons in the Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1165-1177	2.6	15
200	Theory, modeling, and integrated studies in the Arase (ERG) project. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	10
199	Nonlinear Drift Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 8773-8782	4.9	18
198	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. <i>Geophysical Research Letters</i> , 2018 , 45, 13,199	4.9	6
197	Time Domain Simulation of Geomagnetically Induced Current (GIC) Flowing in 500-kV Power Grid in Japan Including a Three-Dimensional Ground Inhomogeneity. <i>Space Weather</i> , 2018 , 16, 1946-1959	3.7	15
196	Nonlinear Damping of Oblique Whistler Mode Waves Via Landau Resonance. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7462-7472	2.6	23

195	Generation Process of Large-Amplitude Upper-Band Chorus Emissions Observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3704-3713	2.6	5
194	Fine Structure of Whistler Mode Hiss in Plasmaspheric Plumes Observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9055-9064	2.6	15
193	Characteristics of Subpacket Structures in Ground EMIC Wave Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8358-8376	2.6	2
192	Nonlinear Dynamics of Radiation Belt Electrons Interacting With Chorus Emissions Localized in Longitude. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4835-4857	2.6	26
191	Nonlinear dynamics of electrons interacting with oblique whistler mode chorus in the magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 675-694	2.6	32
190	Van Allen Probes observations of prompt MeV radiation belt electron acceleration in nonlinear interactions with VLF chorus. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 324-339	2.6	66
189	Rapid precipitation of radiation belt electrons induced by EMIC rising tone emissions localized in longitude inside and outside the plasmopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 293-309	2.6	42
188	Formation and interaction of multiple coherent phase space structures in plasma. <i>Physics of Plasmas</i> , 2017 , 24, 060704	2.1	13
187	A case study of EMIC waves associated with sudden geosynchronous magnetic field changes. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3322-3341	2.6	14
186	A scheme for forecasting severe space weather. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2824-2835	2.6	20
185	Particle trapping and ponderomotive processes during breaking of ion acoustic waves in plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 102122	2.1	6
184	Study of Wave-Particle Interactions for Whistler Mode Waves at Oblique Angles by Utilizing the Gyroaveraging Method. <i>Radio Science</i> , 2017 , 52, 1268-1281	1.4	15
183	Nonlinear Generation Mechanism of EMIC Falling Tone Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9924-9933	2.6	9
182	One-dimensional particle simulation of wave propagation and generation of second harmonic waves in a composite of plasma and metamaterial. <i>Physics of Plasmas</i> , 2017 , 24, 122112	2.1	6
181	Ion hole formation and nonlinear generation of electromagnetic ion cyclotron waves: THEMIS observations. <i>Geophysical Research Letters</i> , 2017 , 44, 8730-8738	4.9	11
180	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8640-8660	2.6	13
179	Pulsating proton aurora caused by rising tone Pc1 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1608-1618	2.6	18
178	Observational evidence of the nonlinear wave growth theory of plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2016 , 43, 10,040-10,049	4.9	22

177	Slow electrostatic solitary waves in Earth's plasma sheet boundary layer. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4452-4465	2.6	33
176	A statistical study of EMIC rising and falling tone emissions observed by THEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8374-8391	2.6	19
175	Electron hybrid code simulation of whistler-mode chorus generation with real parameters in the Earth's inner magnetosphere. <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	30
174	A computational and theoretical investigation of nonlinear wave-particle interactions in oblique whistlers. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2890-2911	2.6	45
173	Formation process of relativistic electron flux through interaction with chorus emissions in the Earth's inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9545-9562	2.6	68
172	Nonlinear wave growth theory of coherent hiss emissions in the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7642-7657	2.6	41
171	Van Allen probes, NOAA, GOES, and ground observations of an intense EMIC wave event extending over 12 h in magnetic local time. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5465-5488	2.6	105
170	Electromagnetic ion cyclotron waves in the Earth's magnetosphere with a kappa-Maxwellian particle distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8426-8439	2.6	38
169	Subpacket structures in EMIC rising tone emissions observed by the THEMIS probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7318-7330	2.6	27
168	Relativistic electron precipitation induced by EMIC-triggered emissions in a dipole magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4384-4399	2.6	41
167	Yearly Variation of Acacia Plantation Forests Obtained by Polarimetric Analysis of ALOS PALSAR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 5294-5304	4.7	8
166	Nonlinear evolution of ion acoustic solitary waves in space plasmas: Fluid and particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5589-5599	2.6	35
165	Electromagnetic ion cyclotron rising tone emissions observed by THEMIS probes outside the plasmopause. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1874-1886	2.6	36
164	Geotail observation of upper band and lower band chorus elements in the outer magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4694-4705	2.6	26
163	Fine structure of plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9134-9142	2.6	63
162	Nonlinear damping of chorus emissions at local half cyclotron frequencies observed by Geotail at L > 9. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4475-4483	2.6	11
161	Spectrum characteristics of electromagnetic ion cyclotron triggered emissions and associated energetic proton dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3480-3489	2.6	20
160	Geotail observation of counter directed ESWs associated with the separatrix of magnetic reconnection in the near-Earth magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 202-210	2.6	11

159	First observation of rising-tone magnetosonic waves. <i>Geophysical Research Letters</i> , 2014 , 41, 7419-7426	4.9	55
158	Parameter spaces for linear and nonlinear whistler-mode waves. <i>Physics of Plasmas</i> , 2013 , 20, 072110	2.1	22
157	Electron acceleration by Z-mode and whistler-mode waves. <i>Physics of Plasmas</i> , 2013 , 20, 112901	2.1	4
156	Generation Processes of Whistler Mode Chorus Emissions: Current Status of Nonlinear Wave Growth Theory. <i>Geophysical Monograph Series</i> , 2013 , 243-254	1.1	47
155	Linear and Nonlinear Growth of Magnetospheric Whistler Mode Waves. <i>Geophysical Monograph Series</i> , 2013 , 265-280	1.1	10
154	Type-II entry of solar wind protons into the lunar wake: Effects of magnetic connection to the night-side surface. <i>Planetary and Space Science</i> , 2013 , 87, 106-114	2	21
153	Relativistic electron microbursts due to nonlinear pitch angle scattering by EMIC triggered emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5008-5020	2.6	77
152	Triggering process of electromagnetic ion cyclotron rising tone emissions in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5553-5561	2.6	45
151	EMIC triggered chorus emissions in Cluster data. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1159-1169	2.6	30
150	The Energization and Radiation in Geospace (ERG) Project. <i>Geophysical Monograph Series</i> , 2013 , 103-116	1.1	25
149	Experimental evidence of ion acoustic soliton chain formation and validation of nonlinear fluid theory. <i>Physics of Plasmas</i> , 2013 , 20, 062103	2.1	37
148	Akebono observations of EMIC waves in the slot region of the radiation belts. <i>Geophysical Research Letters</i> , 2013 , 40, 5587-5591	4.9	31
147	Significance of Wave-Particle Interaction Analyzer for direct measurements of nonlinear wave-particle interactions. <i>Annales Geophysicae</i> , 2013 , 31, 503-512	2	18
146	Ray tracing of whistler-mode chorus elements: implications for generation mechanisms of rising and falling tone emissions. <i>Annales Geophysicae</i> , 2013 , 31, 665-673	2	20
145	Particle Simulations of Nonlinear Whistler and Alfvén Wave Instabilities: Amplitude Modulation, Decay, Soliton and Inverse Cascading. <i>Geophysical Monograph Series</i> , 2013 , 51-63	1.1	1
144	Effect of the background magnetic field inhomogeneity on generation processes of whistler-mode chorus and broadband hiss-like emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4189-4198	2.6	81
143	Plasma Waves in Geospace: Geotail Observations. <i>Geophysical Monograph Series</i> , 2013 , 259-319	1.1	11
142	Nonlinear pitch angle scattering of relativistic electrons by EMIC waves in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		83

141	THEMIS observation of chorus elements without a gap at half the gyrofrequency. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		43
140	Multidimensional nonlinear mirror-mode structures in the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		13
139	Particle simulations of whistler-mode rising-tone emissions triggered by waves with different amplitudes. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		34
138	Electron acceleration by Z-mode waves associated with cyclotron maser instability. <i>Physics of Plasmas</i> , 2012 , 19, 122902	2.1	5
137	Characteristics of Decomposition Powers of L-Band Multi-Polarimetric SAR in Assessing Tree Growth of Industrial Plantation Forests in the Tropics. <i>Remote Sensing</i> , 2012 , 4, 3058-3077	5	18
136	A computational and theoretical analysis of falling frequency VLF emissions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		49
135	Nonlinear spatiotemporal evolution of whistler mode chorus waves in Earth's inner magnetosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		30
134	Precipitation of highly energetic protons by helium branch electromagnetic ion cyclotron triggered emissions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
133	Triggering process of whistler mode chorus emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116,		89
132	Simulation of electromagnetic ion cyclotron triggered emissions in the Earth's inner magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116,		44
131	Electromagnetic ion cyclotron waves in the helium branch induced by multiple electromagnetic ion cyclotron triggered emissions. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	25
130	Amplitude dependence of frequency sweep rates of whistler mode chorus emissions. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		57
129	Effects of nonlinear wave growth on extreme radiation belt electron fluxes. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		24
128	The theory and numerical modelling of non linear wave particle interactions in oblique whistlers 2011 ,		1
127	Electrostatic solitary waves (ESWs) observed by KAGUYA near the Moon 2011 ,		1
126	A 2D simulation study of Langmuir, whistler, and cyclotron maser instabilities induced by an electron ring-beam distribution. <i>Physics of Plasmas</i> , 2011 , 18, 092110	2.1	11
125	On The Propagation And Modulation Of Electrostatic Solitary Waves Observed Near The Magnetopause On Cluster 2011 ,		1
124	Cluster observations of EMIC triggered emissions in association with Pc1 waves near Earth's plasmopause. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	110

123	Microburst precipitation of energetic electrons associated with chorus wave generation. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	71
122	Effect of the solar wind proton entry into the deepest lunar wake. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	27
121	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	33
120	Theory and observation of electromagnetic ion cyclotron triggered emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115,		85
119	Self-consistent particle simulation of whistler mode triggered emissions. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		25
118	The Lunar Radar Sounder (LRS) Onboard the KAGUYA (SELENE) Spacecraft. <i>Space Science Reviews</i> , 2010 , 154, 145-192	7.5	39
117	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. <i>Planetary and Space Science</i> , 2010 , 58, 40-60	2	37
116	The Plasma Wave Investigation (PWI) onboard the BepiColombo/MMO: First measurement of electric fields, electromagnetic waves, and radio waves around Mercury. <i>Planetary and Space Science</i> , 2010 , 58, 238-278	2	39
115	The Lunar Radar Sounder (LRS) Onboard the Kaguya (SELENE) Spacecraft 2010 , 145-192		2
114	Nonlinear saturation of cyclotron maser instability associated with energetic ring-beam electrons. <i>Physical Review Letters</i> , 2009 , 103, 105101	7.4	10
113	OhHelp 2009 ,		21
112	Properties of dayside nonlinear rising tone chorus emissions at large L observed by GEOTAIL. <i>Earth, Planets and Space</i> , 2009 , 61, 625-628	2.9	12
111	A new instrument for the study of wave-particle interactions in space: One-chip Wave-Particle Interaction Analyzer. <i>Earth, Planets and Space</i> , 2009 , 61, 765-778	2.9	13
110	Nonlinear mechanisms of lower-band and upper-band VLF chorus emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		216
109	Coherent nonlinear scattering of energetic electrons in the process of whistler mode chorus generation. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		23
108	Simultaneous satellite observations of VLF chorus, hot and relativistic electrons in a magnetic storm recovery phase. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	36
107	Full particle simulation of whistler-mode rising chorus emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		78
106	Mirror instability and L-mode electromagnetic ion cyclotron instability: Competition in the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		40

105	Relativistic turning acceleration of radiation belt electrons by whistler mode chorus. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		51
104	Theory and simulation of the generation of whistler-mode chorus. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		360
103	Electromagnetic Particle-In-Cell simulation on the impedance of a dipole antenna surrounded by an ion sheath. <i>Radio Science</i> , 2008 , 43, n/a-n/a	1.4	4
102	Orbital Dynamics of Solar Sails for Geomagnetic Tail Exploration. <i>Journal of Spacecraft and Rockets</i> , 2008 , 45, 316-323	1.5	5
101	Rapid energization of radiation belt electrons by nonlinear wave trapping. <i>Annales Geophysicae</i> , 2008 , 26, 3451-3456	2	32
100	Spacecraft Plasma Environment Analysis Via Large Scale 3D Plasma Particle Simulation. <i>Lecture Notes in Computer Science</i> , 2008 , 383-392	0.9	
99	Computer simulation of chorus wave generation in the Earth's inner magnetosphere. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	124
98	Relativistic turning acceleration of resonant electrons by coherent whistler mode waves in a dipole magnetic field. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		179
97	Relativistic particle acceleration in the process of whistler-mode chorus wave generation. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	44
96	Correction to Relativistic particle acceleration in the process of whistler-mode chorus wave generation. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	2
95	Ultra-relativistic acceleration of electrons in planetary magnetospheres. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	91
94	Long-term occurrence probabilities of intense geomagnetic storm events. <i>Space Weather</i> , 2007 , 5, n/a-n/a	3.7	57
93	Energetic particle parallel diffusion in a cascading wave turbulence in the foreshock region. <i>Nonlinear Processes in Geophysics</i> , 2007 , 14, 587-601	2.9	2
92	Turbulent acceleration of superthermal electrons. <i>Physics of Plasmas</i> , 2007 , 14, 100701	2.1	47
91	Condition for charged particle trapping in a three-dimensional electrostatic potential well in the presence of a magnetic field. <i>Physica Scripta</i> , 2006 , 74, 227-231	2.6	4
90	Development and Application of Geospace Environment Simulator for the Analysis of Spacecraft Plasma Interactions. <i>IEEE Transactions on Plasma Science</i> , 2006 , 34, 2094-2102	1.3	7
89	Dynamics of high-energy electrons interacting with whistler mode chorus emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2006 , 111,		97
88	A study of generation mechanism of VLF triggered emission by self-consistent particle code. <i>Journal of Geophysical Research</i> , 2006 , 111,		58

87	Nonlinear evolution of the electron two-stream instability: Two-dimensional particle simulations. <i>Journal of Geophysical Research</i> , 2006 , 111,		28
86	Simulation study on nonlinear frequency shift of narrow band whistler-mode waves in a homogeneous magnetic field. <i>Earth, Planets and Space</i> , 2006 , 58, 1219-1225	2.9	7
85	Parametric study of the resonant scattering process by narrow band whistler mode waves driven by temperature anisotropy. <i>Journal of Plasma Physics</i> , 2006 , 72, 935	2.7	
84	MEFISTO [An electric field instrument for BepiColombo/MMO. <i>Advances in Space Research</i> , 2006 , 38, 672-679	2.4	10
83	Electric fields in the Hermean environment. <i>Advances in Space Research</i> , 2006 , 38, 627-631	2.4	7
82	PLASMA/RADIO WAVE OBSERVATIONS AT MERCURY BY THE BEPICOLOMBO MMO SPACECRAFT 2006 , 71-84		4
81	Computer experiments of amplitude-modulated Langmuir waves: Application to the Geotail observation. <i>Journal of Geophysical Research</i> , 2005 , 110,		12
80	2fpRadio Source in Geotail Observations and Numerical Simulations ~Microscopic View~. <i>COSPAR Colloquia Series</i> , 2005 , 16, 247-250		
79	On the three-dimensional configuration of electrostatic solitary waves. <i>Nonlinear Processes in Geophysics</i> , 2004 , 11, 313-318	2.9	5
78	Antenna analysis in magnetized plasma via particle-in-cell simulation. <i>Advances in Space Research</i> , 2004 , 34, 2433-2436	2.4	1
77	Computer experiments on electromagnetic environment of plasma sheath at conducting surface. <i>Advances in Space Research</i> , 2004 , 34, 2441-2444	2.4	2
76	PIC simulations of spacecraft charging and the neutralization process by plasma emission. <i>Advances in Space Research</i> , 2004 , 34, 2437-2440	2.4	2
75	Two-dimensional particle simulation of electromagnetic field signature associated with electrostatic solitary waves. <i>Journal of Geophysical Research</i> , 2004 , 109,		16
74	Effect of trapped-particle deficit and structure of localized electrostatic perturbations of different dimensionality. <i>Journal of Geophysical Research</i> , 2004 , 109,		14
73	Acceleration of relativistic electrons due to resonant scattering by whistler mode waves generated by temperature anisotropy in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2004 , 109,		35
72	Computer simulations of relativistic whistler-mode wave-particle interactions. <i>Physics of Plasmas</i> , 2004 , 11, 3530-3534	2.1	31
71	Harmonic Langmuir waves. I. Nonlinear dispersion relation. <i>Physics of Plasmas</i> , 2003 , 10, 364-372	2.1	61
70	A new charge conservation method in electromagnetic particle-in-cell simulations. <i>Computer Physics Communications</i> , 2003 , 156, 73-85	4.2	116

69	Particle simulation of plasma response to an applied electric field parallel to magnetic field lines. <i>Journal of Geophysical Research</i> , 2003 , 108,		34
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