Johan De Keyser

List of Publications by Year in descending order

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170 papers	5,902 citations	109264 35 h-index	85498 71 g-index
200 all docs	200 docs citations	200 times ranked	3931 citing authors

#	Article	IF	Citations
1	Cometary plasma science. Experimental Astronomy, 2022, 54, 1129-1167.	1.6	3
2	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. Experimental Astronomy, 2022, 54, 427-471.	1.6	14
3	Refractory elements in the gas phase for comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2022, 658, A87.	2.1	1
4	High D/H ratios in water and alkanes in comet 67P/Churyumov-Gerasimenko measured with Rosetta/ROSINA DFMS. Astronomy and Astrophysics, 2022, 662, A69.	2.1	16
5	Radial distribution of plasma at comet 67P. Astronomy and Astrophysics, 2022, 663, A42.	2.1	3
6	Identification and characterization of a new ensemble of cometary organic molecules. Nature Communications, 2022, 13, .	5.8	15
7	Cyanogen, cyanoacetylene, and acetonitrile in comet 67P and their relation to the cyano radical. Astronomy and Astrophysics, 2021, 647, A22.	2.1	13
8	Chlorine-bearing species and the 37Cl/35Cl isotope ratio in the coma of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1020-1032.	1.6	1
9	Curlometer Technique and Applications. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029538.	0.8	18
10	Molecule-dependent oxygen isotopic ratios in the coma of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5855-5862.	1.6	13
11	The Effect of Cosmic Rays on Cometary Nuclei. I. Dose Deposition. Astrophysical Journal, 2020, 890, 89.	1.6	18
12	ALMA and ROSINA detections of phosphorus-bearing molecules: the interstellar thread between star-forming regions and comets. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1180-1198.	1.6	58
13	Evidence of ammonium salts in comet 67P as explanation for the nitrogen depletion in cometary comae. Nature Astronomy, 2020, 4, 533-540.	4.2	79
14	The Virtual Space Weather Modelling Centre. Journal of Space Weather and Space Climate, 2020, 10, 14.	1.1	11
15	ROSINA ion zoo at Comet 67P. Astronomy and Astrophysics, 2020, 642, A27.	2.1	14
16	Prestellar grain-surface origins of deuterated methanol in comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4901-4920.	1.6	24
17	The Effect of Cosmic Rays on Cometary Nuclei. II. Impact on Ice Composition and Structure. Astrophysical Journal, 2020, 901, 136.	1.6	13
18	CHO-Bearing Molecules in Comet 67P/Churyumov-Gerasimenko. ACS Earth and Space Chemistry, 2019, 3, 1854-1861.	1.2	20

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19	Elemental and molecular abundances in comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2019, 489, 594-607.	1.6	112
20	Aliphatic and aromatic hydrocarbons in comet 67P/Churyumov-Gerasimenko seen by ROSINA. Astronomy and Astrophysics, 2019, 630, A31.	2.1	36
21	Position-dependent microchannel plate gain correction in Rosetta's ROSINA/DFMS mass spectrometer. International Journal of Mass Spectrometry, 2019, 446, 116232.	0.7	11
22	Effect of the Surface Roughness of Icy Grains on Molecular Oxygen Chemistry in Molecular Clouds. Astrophysical Journal, 2019, 882, 131.	1.6	0
23	Calibration of parent and fragment ion detection rates in Rosettas ROSINA/DFMS mass spectrometer. International Journal of Mass Spectrometry, 2019, 446, 116233.	0.7	4
24	¹⁶O/¹⁸O ratio in water in the coma of comet 67P/Churyumov-Gerasimenko measured with the Rosetta/ROSINA double-focusing mass spectrometer. Astronomy and Astrophysics, 2019, 630, A29.	2.1	23
25	A Method to Estimate the Physical Properties of Magnetospheric Generators From Observations of Quiet Discrete Auroral Arcs. Journal of Geophysical Research: Space Physics, 2019, 124, 10283-10293.	0.8	2
26	Nonlinear Decay of AlfvÃ©n Waves Driven by Interplaying Two- and Three-dimensional Nonlinear Interactions. Astrophysical Journal, 2018, 857, 42.	1.6	1
27	Beam tracking strategies for fast acquisition of solar wind velocity distribution functions with high energy and angular resolutions. Annales Geophysicae, 2018, 36, 1285-1302.	0.6	6
28	The detection of ultra-relativistic electrons in low Earth orbit. Journal of Space Weather and Space Climate, 2018, 8, A01.	1.1	1
29	On the origin of molecular oxygen in cometary comae. Nature Communications, 2018, 9, 2580.	5.8	22
30	Why an intrinsic magnetic field does not protect a planet against atmospheric escape. Astronomy and Astrophysics, 2018, 614, L3.	2.1	69
31	Non-resonant AlfvÃ©nic instability activated by high temperature of ion beams in compensated-current astrophysical plasmas. Astronomy and Astrophysics, 2018, 615, A169.	2.1	7
32	Krypton isotopes and noble gas abundances in the coma of comet 67P/Churyumov-Gerasimenko. Science Advances, 2018, 4, eaar6297.	4.7	52
33	Electrostatic analyzer design for solar wind proton measurements with high temporal, energy, and angular resolutions. Journal of Geophysical Research: Space Physics, 2017, 122, 1439-1450.	0.8	17
34	The heterogeneous coma of comet 67P/Churyumov-Gerasimenko as seen by ROSINA: H₂O, CO₂, and CO from September 2014 to February 2016. Astronomy and Astrophysics, 2017, 600, A77.	2.1	29
35	Change of outgassing pattern of 67P/Churyumovâ€“Gerasimenko during the March 2016 equinox as seen by ROSINA. Monthly Notices of the Royal Astronomical Society, 2017, 469, S108-S117.	1.6	66
36	Evidence for depletion of heavy silicon isotopes at comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 601, A123.	2.1	26

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37	Use of a Langmuir Probe Instrument on Board a Pico-Satellite. IEEE Transactions on Plasma Science, 2017, 45, 2007-2012.	0.6	10
38	Xenon isotopes in 67P/Churyumov-Gerasimenko show that comets contributed to Earth's atmosphere. Science, 2017, 356, 1069-1072.	6.0	161
39	D₂O and HDS in the coma of 67P/Churyumovâ€“Gerasimenko. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160253.	1.6	53
40	Organics in comet 67P â€“ a first comparative analysis of mass spectra from ROSINAâ€“DFMS, COSAC and Ptolemy. Monthly Notices of the Royal Astronomical Society, 2017, 469, S130-S141.	1.6	153
41	Ion acoustic waves at comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 600, A3.	2.1	28
42	Impact of Radiogenic Heating on the Formation Conditions of Comet 67P/Churyumovâ€“Gerasimenko. Astrophysical Journal Letters, 2017, 839, L4.	3.0	19
43	Protostellar and cometary detections of organohalogens. Nature Astronomy, 2017, 1, 703-708.	4.2	89
44	Multi-instrument observations of the solar eclipse on 20 March 2015 and its effects on the ionosphere over Belgium and Europe. Journal of Space Weather and Space Climate, 2017, 7, A19.	1.1	33
45	Ion composition at comet 67P near perihelion: Rosetta observations and model-based interpretation. Monthly Notices of the Royal Astronomical Society, 2017, 469, S427-S442.	1.6	28
46	The Delayed Time Response of Geomagnetic Activity to the Solar Wind. Journal of Geophysical Research: Space Physics, 2017, 122, 11,109.	0.8	29
47	Halogens as tracers of protosolar nebula material in comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1336-1345.	1.6	44
48	Solar Illumination Control of the Polar Wind. Journal of Geophysical Research: Space Physics, 2017, 122, 11,468-11,480.	0.8	6
49	Plasma waves confined to the diamagnetic cavity of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S84-S92.	1.6	19
50	Sulphur isotope mass-independent fractionation observed in comet 67P/Churyumovâ€“Gerasimenko by Rosetta/ROSINA. Monthly Notices of the Royal Astronomical Society, 2017, 469, S787-S803.	1.6	16
51	Evidence for distributed gas sources of hydrogen halides in the coma of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S695-S711.	1.6	27
52	Three-dimensional direct simulation Monte-Carlo modeling of the coma of comet 67P/Churyumov-Gerasimenko observed by the VIRTIS and ROSINA instruments on board Rosetta. Astronomy and Astrophysics, 2016, 588, A134.	2.1	88
53	Seasonal variations and northâ€“south asymmetries in polar wind outflow due to solar illumination. Annales Geophysicae, 2016, 34, 961-974.	0.6	5
54	Differential kinetic dynamics and heating of ions in the turbulent solar wind. New Journal of Physics, 2016, 18, 125001.	1.2	51

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55	MHDâ€“KINETIC TRANSITION IN IMBALANCED ALFVÃ‰NIC TURBULENCE. Astrophysical Journal Letters, 2016, 832, L20.	3.0	17
56	Direct Simulation Monte Carlo modelling of the major species in the coma of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S156-S169.	1.6	87
57	Mass spectrometric characterization of the Rosetta Spacecraft contamination. Proceedings of SPIE, 2016, , .	0.8	2
58	EMC aspects of turbulence heating observer (THOR) spacecraft. , 2016, , .		3
59	Ion chemistry in the coma of comet 67P near perihelion. Monthly Notices of the Royal Astronomical Society, 2016, 462, S67-S77.	1.6	28
60	2D photochemical model for forbidden oxygen line emission for comet 1P/Halley. Monthly Notices of the Royal Astronomical Society, 2016, 462, S116-S123.	1.6	1
61	Can the downward current region of the aurora be simulated in the laboratory?. Plasma Physics and Controlled Fusion, 2016, 58, 054003.	0.9	1
62	Prebiotic chemicalsâ€”amino acid and phosphorusâ€”in the coma of comet 67P/Churyumov-Gerasimenko. Science Advances, 2016, 2, e1600285.	4.7	393
63	Turbulence Heating ObserveR â€“ satellite mission proposal. Journal of Plasma Physics, 2016, 82, .	0.7	60
64	PLANET TOPERS: Planets, Tracing the Transfer, Origin, Preservation, and Evolution of their ReservoirS. Origins of Life and Evolution of Biospheres, 2016, 46, 369-384.	0.8	2
65	Photochemistry of forbidden oxygen lines in the inner coma of 67P/Churyumovâ€Gerasimenko. Journal of Geophysical Research: Space Physics, 2016, 121, 804-816.	0.8	10
66	HIGH-TIME RESOLUTION IN SITU INVESTIGATION OF MAJOR COMETARY VOLATILES AROUND 67P/Câ€“G AT 3.1â€“2.3 au MEASURED WITH ROSINA-RTOF. Astrophysical Journal, 2016, 819, 126.	1.6	29
67	Solar wind sputtering of dust on the surface of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A22.	2.1	47
68	Detection of argon in the coma of comet 67P/Churyumov-Gerasimenko. Science Advances, 2015, 1, e1500377.	4.7	87
69	Inventory of the volatiles on comet 67P/Churyumov-Gerasimenko from Rosetta/ROSINA. Astronomy and Astrophysics, 2015, 583, A1.	2.1	265
70	Acceleration of ions and nano dust at a comet in the solar wind. Planetary and Space Science, 2015, 119, 13-23.	0.9	9
71	Solar illumination control of ionospheric outflow above polar cap arcs. Geophysical Research Letters, 2015, 42, 1304-1311.	1.5	14
72	ROSINA/DFMS and IES observations of 67P: Ion-neutral chemistry in the coma of a weakly outgassing comet. Astronomy and Astrophysics, 2015, 583, A2.	2.1	43

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73	Comparison of 3D kinetic and hydrodynamic models to ROSINA-COPS measurements of the neutral coma of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A7.	2.1	93
74	Instrumentation of the Belgian RAdio Meteor Stations (BRAMS). , 2015, , .		2
75	Correcting peak deformation in Rosetta's ROSINA/DFMS mass spectrometer. International Journal of Mass Spectrometry, 2015, 393, 41-51.	0.7	6
76	Time variability and heterogeneity in the coma of 67P/Churyumov-Gerasimenko. Science, 2015, 347, aaa0276.	6.0	222
77	SCALAR AND VECTOR NONLINEAR DECAYS OF LOW-FREQUENCY ALFVÃ‰N WAVES. Astrophysical Journal, 2015, 799, 222.	1.6	18
78	Vlasov simulations of trapping and loss of auroral electrons. Annales Geophysicae, 2015, 33, 279-293.	0.6	4
79	Molecular nitrogen in comet 67P/Churyumov-Gerasimenko indicates a low formation temperature. Science, 2015, 348, 232-235.	6.0	195
80	Abundant molecular oxygen in the coma of comet 67P/Churyumovâ€“Gerasimenko. Nature, 2015, 526, 678-681.	13.7	260
81	Compensated-current instability of kinetic AlfvÃ©n waves. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4236-4246.	1.6	11
82	67P/Churyumov-Gerasimenko, a Jupiter family comet with a high D/H ratio. Science, 2015, 347, 1261952.	6.0	403
83	The capabilities of ROSINA/DFMS to measure argon isotopes at comet 67P/Churyumovâ€“Gerasimenko. Planetary and Space Science, 2015, 105, 175-178.	0.9	8
84	Self-consistent electrostatic simulations of reforming double layers in the downward current region of the aurora. Annales Geophysicae, 2015, 33, 1331-1342.	0.6	3
85	Waves in high-speed plasmoids in the magnetosheath and at the magnetopause. Annales Geophysicae, 2014, 32, 991-1009.	0.6	37
86	NONLINEAR GENERATION OF KINETIC-SCALE WAVES BY MAGNETOHYDRODYNAMIC ALFVÃ‰N WAVES AND NONLOCAL SPECTRAL TRANSPORT IN THE SOLAR WIND. Astrophysical Journal, 2014, 785, 139.	1.6	29
87	Electrostatic plasma instabilities driven by neutral gas flows in the solar chromosphere. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3568-3576.	1.6	10
88	OBLIQUE ALFVÃ‰N INSTABILITIES DRIVEN BY COMPENSATED CURRENTS. Astrophysical Journal, 2014, 780, 175.	1.6	15
89	Links between the plasmapause and the radiation belt boundaries as observed by the instruments CIS, RAPID, and WHISPER onboard Cluster. Journal of Geophysical Research: Space Physics, 2013, 118, 4176-4188.	0.8	35
90	ROSINA/DFMS capabilities to measure isotopic ratios in water at comet 67P/Churyumovâ€“Gerasimenko. Planetary and Space Science, 2013, 84, 148-152.	0.9	15

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91	The dynamics of the plasmasphere: Recent results. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 99, 53-60.	0.6	14
92	Numerical and laboratory simulations of auroral acceleration. Physics of Plasmas, 2013, 20, 102901.	0.7	3
93	Vlasov simulations of parallel potential drops. Annales Geophysicae, 2013, 31, 1227-1240.	0.6	7
94	Cross-field flow and electric potential in a plasma slab. Annales Geophysicae, 2013, 31, 1297-1314.	0.6	14
95	Electric potential differences across auroral generator interfaces. Annales Geophysicae, 2013, 31, 251-261.	0.6	15
96	From meteorites to evolution and habitability of planets. Planetary and Space Science, 2012, 72, 3-17.	0.9	30
97	EIDOSCOPE: particle acceleration at plasma boundaries. Experimental Astronomy, 2012, 33, 491-527.	1.6	6
98	IMPALAS: Investigation of MagnetoPause Activity using Longitudinally-Aligned Satellitesâ€"a mission concept proposed for the ESA M3 2020/2022 launch. Experimental Astronomy, 2012, 33, 365-401.	1.6	0
99	In situ mass spectrometry during the Lutetia flyby. Planetary and Space Science, 2012, 66, 173-178.	0.9	16
100	Spacecraft outgassing, a largely underestimated phenomenon. , 2011, , .		4
101	Wave signatures and electrostatic phenomena above aurora: Cluster observations and modeling. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	2
102	Turbulent spectra and spectral kinks in the transition range from MHD to kinetic AlfvÃ©n turbulence. Nonlinear Processes in Geophysics, 2011, 18, 587-597.	0.6	22
103	Characterization of the gaseous spacecraft environment of Rosetta by ROSINA. , 2011, , .		3
104	Comparative investigation of the terrestrial and Venusian magnetopause: Kinetic modeling and experimental observations by Cluster and Venus Express. Planetary and Space Science, 2011, 59, 1028-1038.	0.9	5
105	Use of multi-point analysis and modelling to address cross-scale coupling in space plasmas: Lessons from Cluster. Planetary and Space Science, 2011, 59, 630-638.	0.9	2
106	BRAMS: The Belgian RAdio Meteor Stations. , 2011, , .		3
107	Polar cap ion beams during periods of northward IMF: Cluster statistical results. Annales Geophysicae, 2011, 29, 771-787.	0.6	19
108	Monopolar and bipolar auroral electric fields and their effects. Annales Geophysicae, 2010, 28, 2027-2046.	0.6	12

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109	Influence of spacecraft outgassing on the exploration of tenuous atmospheres with in situ mass spectrometry. Journal of Geophysical Research, 2010, 115, .	3.3	91
110	Auroral and sub-auroral phenomena: an electrostatic picture. Annales Geophysicae, 2010, 28, 633-650.	0.6	11
111	Flexible Tools for Accessing the Cluster Archives. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 233-238.	0.3	0
112	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions. Space Science Reviews, 2009, 145, 55-106.	3.7	109
113	CLUSTER and IMAGE: New Ways to Study the Earthâ€™s Plasmasphere. Space Science Reviews, 2009, 145, 7-53.	3.7	10
114	Electric Fields and Magnetic Fields in the Plasmasphere: AÂPerspective FromÂCLUSTER andÂIMAGE. Space Science Reviews, 2009, 145, 107-135.	3.7	6
115	A magnetospheric generator driving ion and electron acceleration and electric currents in a discrete auroral arc observed by Cluster and DMSP. Geophysical Research Letters, 2009, 36, .	1.5	20
116	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions. , 2009, , 55-106.		20
117	CLUSTER and IMAGE: New Ways to Study the Earthâ€™s Plasmasphere. , 2009, , 7-53.		9
118	Electric Fields and Magnetic Fields in the Plasmasphere: AÂPerspective fromÂCLUSTER andÂIMAGE. , 2009, , 107-135.		3
119	Least-squares multi-spacecraft gradient calculation with automatic error estimation. Annales Geophysicae, 2008, 26, 3295-3316.	0.6	17
120	Statistical analysis of plasmaspheric plumes with Cluster/WHISPER observations. Annales Geophysicae, 2008, 26, 2403-2417.	0.6	86
121	Ionospheric feedback effects on the quasi-stationary coupling between LLBL and postnoon/evening discrete auroral arcs. Annales Geophysicae, 2008, 26, 913-928.	0.6	26
122	A new perspective on the Earth's plasmasphere. Eos, 2007, 88, 524-524.	0.1	0
123	Least-squares gradient calculation from multi-point observations of scalar and vector fields: methodology and applications with Cluster in the plasmasphere. Annales Geophysicae, 2007, 25, 971-987.	0.6	36
124	Sheared magnetospheric plasma flows and discrete auroral arcs: a quasi-static coupling model. Annales Geophysicae, 2007, 25, 317-330.	0.6	26
125	Rosina â€“ Rosetta Orbiter Spectrometer for Ion and Neutral Analysis. Space Science Reviews, 2007, 128, 745-801.	3.7	331
126	Comets and Chemical Composition. Space Science Reviews, 2007, 130, 73-78.	3.7	0

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127	Spatial gradients in the plasmasphere from Cluster. Geophysical Research Letters, 2006, 33, .	1.5	26
128	Analysis of plasmaspheric plumes: CLUSTER and IMAGE observations. Annales Geophysicae, 2006, 24, 1737-1758.	0.6	35
129	Magnetopause and Boundary Layer. Space Science Reviews, 2005, 118, 231-320.	3.7	56
130	The Earthâ€™s Magnetopause: Reconstruction of Motion and Structure. Space Science Reviews, 2005, 121, 225-235.	3.7	9
131	Empirical reconstruction and long-duration tracking of the magnetospheric boundary in single- and multi-spacecraft contexts. Annales Geophysicae, 2005, 23, 1355-1369.	0.6	14
132	Magnetopause and Boundary Layer. Space Sciences Series of ISSI, 2005, , 231-320.	0.0	3
133	Reconstruction of the magnetopause and low-latitude boundary layer topology using Cluster multi-point measurements. Annales Geophysicae, 2004, 22, 2381-2389.	0.6	12
134	Density structures inside the plasmasphere: Cluster observations. Annales Geophysicae, 2004, 22, 2577-2585.	0.6	56
135	Structural analysis of periodic surface waves on the magnetospheric boundary. Planetary and Space Science, 2003, 51, 757-768.	0.9	15
136	Resonant phenomena of hydromagnetic waves in non-uniform space plasmas. Plasma Sources Science and Technology, 2002, 11, A69-A73.	1.3	0
137	Trying to bring the magnetopause to a standstill. Geophysical Research Letters, 2002, 29, 93-1-93-4.	1.5	5
138	Transients at the dusk side magnetospheric boundary: Surface waves or isolated plasma blobs?. Journal of Geophysical Research, 2001, 106, 25503-25516.	3.3	12
139	Transient development of magnetohydrodynamic wave mode conversion layers. Journal of Geophysical Research, 2001, 106, 15609-15619.	3.3	6
140	Excitation of low-frequency fluctuations at the magnetopause by intermittent broadband magnetosheath waves. Journal of Geophysical Research, 2001, 106, 29467-29477.	3.3	9
141	Scales of heliospheric current sheet coherence between 1 and 5 AU. Journal of Geophysical Research, 2001, 106, 15963-15971.	3.3	7
142	A Survey of Field-Aligned Mach Number and Plasma Beta in the Solar Wind. , 2001, , 201-204.		0
143	Magnetohydrodynamic wave mode conversion at the Earthâ€™s magnetopause. AIP Conference Proceedings, 2000, , .	0.3	0
144	Magnetohydrodynamic wave mode conversion in the Earth's magnetotail. Journal of Geophysical Research, 2000, 105, 13009-13016.	3.3	10

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145	Ulysses observations of sector boundaries at aphelion. Journal of Geophysical Research, 2000, 105, 15689-15698.	3.3	6
146	Linear magnetohydrodynamic response of the magnetopause to magnetosheath fluctuations. Journal of Geophysical Research, 2000, 105, 23167-23177.	3.3	5
147	Resonant amplification of MHD waves in realistic subsolar magnetopause configurations. Journal of Geophysical Research, 1999, 104, 2399-2409.	3.3	27
148	Formation and evolution of subauroral ion drifts in the course of a substorm. Journal of Geophysical Research, 1999, 104, 12339-12349.	3.3	49
149	Electron density at the subsolar magnetopause for high magnetic shear: ISEE 1 and 2 observations. Journal of Geophysical Research, 1998, 103, 6685-6692.	3.3	11
150	Equilibrium conditions and magnetic field rotation at the tangential discontinuity magnetopause. Journal of Geophysical Research, 1998, 103, 6653-6662.	3.3	22
151	Magnetic field rotation at the dayside magnetopause: AMPTE/IRM observations. Journal of Geophysical Research, 1998, 103, 6663-6674.	3.3	8
152	The magnetospheric driver of subauroral ion drifts. Geophysical Research Letters, 1998, 25, 1625-1628.	1.5	42
153	Flow shear across solar wind discontinuities: WIND observations. Geophysical Research Letters, 1998, 25, 2649-2652.	1.5	24
154	High altitude electrostatic fields driving subauroral ion drifts. COSPAR Colloquia Series, 1998, , 61-64.	0.2	4
155	Equilibrium conditions for the tangential discontinuity magnetopause. Journal of Geophysical Research, 1997, 102, 9513-9530.	3.3	24
156	Theoretical plasma distributions consistent with Ulysses magnetic field observations in a solar wind tangential discontinuity. Solar Physics, 1996, 166, 415-422.	1.0	13
157	Vlasov theory of the equilibrium structure of tangential discontinuities in space plasmas. Space Science Reviews, 1996, 76, 251-317.	3.7	106
158	Run-time load balancing techniques for a parallel unstructured multi-grid Euler solver with adaptive grid refinement. Parallel Computing, 1995, 21, 179-198.	1.3	9
159	A parallel block-structured euler/navier-stokes code with adaptive refinement and run-time load balancing on the iPSC/860. , 1995, , 243-250.		1
160	Run-time load balancing support for a parallel multiblock Euler/Navier-Stokes code with adaptive refinement on distributed memory computers. Parallel Computing, 1994, 20, 1069-1088.	1.3	16
161	Parallel Steady Euler Calculations Using Multigrid Methods and Adaptive Irregular Meshes. Notes on Numerical Fluid Mechanics, 1994, , 187-198.	0.1	0
162	Load balancing data parallel programs on distributed memory computers. Parallel Computing, 1993, 19, 1199-1219.	1.3	24

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163	Load Balancing Grid-Oriented Applications on Distributed Memory Parallel Computers. , 1992, , 191-216.		8
164	Adaptive irregular multiple grids on a distributed memory multiprocessor. Lecture Notes in Computer Science, 1991, , 153-162.	1.0	5
165	A Software Tool for Load Balanced Adaptive Multiple Grids on Distributed Memory Computers. , 0, , .		12
166	Incremental mapping for solution-adaptive multigrid hierarchies. , 0, , .		3
167	Evolution of water production of 67P/Churyumov-Gerasimenko: An empirical model and a multi-instrument study. Monthly Notices of the Royal Astronomical Society, 0, , stw2413.	1.6	54
168	First in-situ detection of the cometary ammonium ion NH$_4^{+}$ (protonated ammonia NH) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Society, 0, , stw3370.	1.6	6
169	A Case for Electron-Astrophysics. Experimental Astronomy, 0, , 1.	1.6	11
170	Plasma-neutral gas interactions in various space environments: Assessment beyond simplified approximations as a Voyage 2050 theme. Experimental Astronomy, 0, , 1.	1.6	1