

Wolfgang Baumjohann

List of Publications by Year in descending order

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593
papers

31,583
citations

4653

85
h-index

7340

152
g-index

623
all docs

623
docs citations

623
times ranked

5828
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of the tidal deformation of WASP-103b at 3 σ with CHEOPS. <i>Astronomy and Astrophysics</i> , 2022, 657, A52.	2.1	22
2	Analysis of Early Science observations with the CHAracterising ExOPlanets Satellite (CHEOPS) using <code><sc>pycheops</sc></code> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 77-104.	1.6	38
3	Spi-OPS: <i>Spitzer</i> and CHEOPS confirm the near-polar orbit of MASCARA-1 b and reveal a hint of dayside reflection. <i>Astronomy and Astrophysics</i> , 2022, 658, A75.	2.1	25
4	A pair of sub-Neptunes transiting the bright K-dwarf TOI-1064 characterized with CHEOPS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1043-1071.	1.6	30
5	The atmosphere and architecture of WASP-189 b probed by its CHEOPS phase curve. <i>Astronomy and Astrophysics</i> , 2022, 659, A74.	2.1	26
6	Detection of the tidal deformation of WASP-103b at 3 σ with CHEOPS (Corrigendum). <i>Astronomy and Astrophysics</i> , 2022, 658, C1.	2.1	1
7	Transit timing variations of AU Microscopii b and c. <i>Astronomy and Astrophysics</i> , 2022, 659, L7.	2.1	12
8	Vorticity Within Bursty Bulk Flows: Convective Versus Kinetic. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	4
9	CHEOPS geometric albedo of the hot Jupiter HD 209458 b. <i>Astronomy and Astrophysics</i> , 2022, 659, L4.	2.1	20
10	The CHEOPS mission. <i>Experimental Astronomy</i> , 2021, 51, 109-151.	1.6	140
11	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. <i>Space Science Reviews</i> , 2021, 217, 11.	3.7	26
12	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	25
13	CHEOPS observations of the HD 108236 planetary system: a fifth planet, improved ephemerides, and planetary radii. <i>Astronomy and Astrophysics</i> , 2021, 646, A157.	2.1	47
14	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral X-Line. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028694.	0.8	5
15	In situ multi-spacecraft and remote imaging observations of the first CME detected by Solar Orbiter and BepiColombo. <i>Astronomy and Astrophysics</i> , 2021, 656, A2.	2.1	40
16	Statistical Characteristics of Field-Aligned Currents in the Plasma Sheet Boundary Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028319.	0.8	6
17	MMS Observation on the Cross-Tail Current Sheet Roll-up at the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028796.	0.8	4
18	Mirror Mode Junctions as Sources of Radiation. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	2

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19	Pickâ€™Up Ion Cyclotron Waves Around Mercury. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092606.	1.5	8
20	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	45
21	Six transiting planets and a chain of Laplace resonances in TOI-178. <i>Astronomy and Astrophysics</i> , 2021, 649, A26.	2.1	94
22	Olbertâ€™s Kappa Fermi and Bose Distributions. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
23	Results of the Electron Drift Instrument on Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029313.	0.8	1
24	Magnetosheath plasma flow model around Mercury. <i>Annales Geophysicae</i> , 2021, 39, 563-570.	0.6	4
25	The EBLM project â€™ VIII. First results for M-dwarf mass, radius, and effective temperature measurements using CHEOPS light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 306-322.	1.6	15
26	Exploiting timing capabilities of the CHEOPS mission with warm-Jupiter planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3810-3830.	1.6	18
27	Transit detection of the long-period volatile-rich super-Earth $\hat{1}/2$ Lupi d with CHEOPS. <i>Nature Astronomy</i> , 2021, 5, 775-787.	4.2	51
28	A search for transiting planets around hot subdwarfs. <i>Astronomy and Astrophysics</i> , 2021, 650, A205.	2.1	18
29	Multi-point analysis of coronal mass ejection flux ropes using combined data from Solar Orbiter, BepiColombo, and Wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A13.	2.1	16
30	Condensate Formation in Collisionless Plasma. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
31	The changing face of AU Mic b: stellar spots, spin-orbit commensurability, and transit timing variations as seen by CHEOPS and TESS. <i>Astronomy and Astrophysics</i> , 2021, 654, A159.	2.1	36
32	Diffuse Josephson Radiation in Turbulence. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
33	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. <i>Annales Geophysicae</i> , 2021, 39, 811-831.	0.6	3
34	CHEOPS precision phase curve of the Super-Earth 55 Cancri e. <i>Astronomy and Astrophysics</i> , 2021, 653, A173.	2.1	30
35	Thin Current Sheet Behind the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029518.	0.8	8
36	BepiColombo - Mission Overview and Science Goals. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	76

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37	Anisotropic Vorticity Within Bursty Bulk Flow Turbulence. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028255.	0.8	9
38	Mio's First Comprehensive Exploration of Mercury's Space Environment: Mission Overview. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	28
39	Auroral Kilometric Radiation and Electron Pairing. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	3
40	Lorentzian Entropies and Olbert's \hat{P}^{α} - Distribution. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	3
41	Olbertian Partition Function in Scalar Field Theory. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	1
42	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	71
43	The BepiColombo's Mio Magnetometer en Route to Mercury. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	19
44	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , 2020, 11, 5049.	5.8	75
45	Topside Reconnection. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	0
46	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	9
47	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , 2020, 86, .	0.7	15
48	BBF Deceleration Downstream of $X < \hat{r} \sim 15$ R E From MMS Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026837.	0.8	13
49	The Solar Orbiter magnetometer. <i>Astronomy and Astrophysics</i> , 2020, 642, A9.	2.1	136
50	The hot dayside and asymmetric transit of WASP-189 b seen by CHEOPS. <i>Astronomy and Astrophysics</i> , 2020, 643, A94.	2.1	61
51	MMS Direct Observations of Kinetic-scale Shock Self-reformation. <i>Astrophysical Journal Letters</i> , 2020, 901, L6.	3.0	10
52	Magnetometer in-flight offset accuracy for the BepiColombo spacecraft. <i>Annales Geophysicae</i> , 2020, 38, 823-832.	0.6	7
53	Substorm-Related Near-Earth Reconnection Surge: Combining Telescopic and Microscopic Views. <i>Geophysical Research Letters</i> , 2019, 46, 6239-6247.	1.5	1
54	Ionospheric Footprints of Detached Magnetotail Interchange Heads. <i>Geophysical Research Letters</i> , 2019, 46, 7237-7247.	1.5	14

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55	Possible increased critical temperature T_c in anisotropic bosonic gases. <i>Scientific Reports</i> , 2019, 9, 10339.	1.6	2
56	A Note on the Entropy Force in Kinetic Theory and Black Holes. <i>Entropy</i> , 2019, 21, 716.	1.1	5
57	Continent-Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarization Injection Fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4064-4082.	0.8	5
58	Measurements of the Vorticity in the Bursty Bulk Flows. <i>Geophysical Research Letters</i> , 2019, 46, 10322-10329.	1.5	11
59	Scaling laws in Hall inertial-range turbulence. <i>Annales Geophysicae</i> , 2019, 37, 825-834.	0.6	4
60	Dissipation of Earthward Propagating Flux Rope Through Reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7477-7493.	0.8	15
61	On the applicability of Taylor's hypothesis in streaming magnetohydrodynamic turbulence. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	8
62	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1173-1186.	0.8	34
63	On the ion-inertial-range density-power spectra in solar wind turbulence. <i>Annales Geophysicae</i> , 2019, 37, 183-199.	0.6	6
64	Carriers of the Field-Aligned Currents in the Plasma Sheet Boundary Layer: An MMS Multicase Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2873-2886.	0.8	9
65	A Statistical Study on the Properties of Dips Ahead of Dipolarization Fronts Observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 139-150.	0.8	20
66	Electron pairing in mirror modes: surpassing the quasi-linear limit. <i>Annales Geophysicae</i> , 2019, 37, 971-988.	0.6	2
67	Small Spatial-Scale Field-Aligned Currents in the Plasma Sheet Boundary Layer Surveyed by Magnetosphere Multiscale Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9976-9985.	0.8	9
68	Dipolarization Fronts: Tangential Discontinuities? On the Spatial Range of Validity of the MHD Jump Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9963-9975.	0.8	10
69	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 93-103.	0.8	26
70	Large-Scale Survey of the Structure of the Dayside Magnetopause by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2018-2033.	0.8	27
71	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , 2018, 45, 4542-4549.	1.5	49
72	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1224-1241.	0.8	39

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73	Accelerated endurance test of single-mode vertical-cavity surface-emitting lasers under vacuum used for a scalar space magnetometer. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	8
74	On Multiple Hall- ϵ -Like Electron Currents and Tripolar Guide Magnetic Field Perturbations During Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1305-1324.	0.8	10
75	MMS Observation of Asymmetric Reconnection Supported by ϵ Electron Pressure Divergence. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1806-1821.	0.8	34
76	The differential cosmic ray energy flux in the light of an ultrarelativistic generalized Lorentzian thermodynamics. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	0.5	5
77	Plasma Density Estimates From Spacecraft Potential Using MMS Observations in the Dayside Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2620-2629.	0.8	16
78	The mirror mode: a ϵ superconducting ϵ space plasma analogue. <i>Annales Geophysicae</i> , 2018, 36, 1015-1026.	0.6	5
79	Electron mirror branch: observational evidence from ϵ historical ϵ AMPTE-IRM and Equator-S measurements. <i>Annales Geophysicae</i> , 2018, 36, 1563-1576.	0.6	8
80	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1260-1278.	0.8	32
81	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018, 362, 1391-1395.	6.0	221
82	Remote Sensing of the Reconnection Electric Field From In Situ Multipoint Observations of the Separatrix Boundary. <i>Geophysical Research Letters</i> , 2018, 45, 3829-3837.	1.5	10
83	Coupled dark state magnetometer for the China Seismo-Electromagnetic Satellite. <i>Measurement Science and Technology</i> , 2018, 29, 095103.	1.4	30
84	Evolution of a typical ion-scale magnetic flux rope caused by thermal pressure enhancement. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2040-2050.	0.8	18
85	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , 2017, 356, 960-963.	6.0	10
86	A direct examination of the dynamics of dipolarization fronts using MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4335-4347.	0.8	44
87	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,442.	0.8	73
88	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10891-10909.	0.8	17
89	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,436.	0.8	31
90	Magnetosheath High-Speed Jets: Internal Structure and Interaction With Ambient Plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,157.	0.8	23

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91	Electron-Scale Quadrants of the Hall Magnetic Field Observed by the Magnetospheric Multiscale spacecraft during Asymmetric Reconnection. <i>Physical Review Letters</i> , 2017, 118, 175101.	2.9	64
92	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , 2017, 69, 129.	0.9	15
93	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. <i>Annales Geophysicae</i> , 2017, 35, 1015-1022.	0.6	6
94	Electron cyclotron maser instability (ECMI) in strong magnetic guide field reconnection. <i>Annales Geophysicae</i> , 2017, 35, 999-1013.	0.6	10
95	Causal kinetic equation of non-equilibrium plasmas. <i>Annales Geophysicae</i> , 2017, 35, 683-690.	0.6	1
96	The Magnetospheric Multiscale Magnetometers. , 2017, , 189-256.		15
97	The usefulness of Poynting's theorem in magnetic turbulence. <i>Annales Geophysicae</i> , 2017, 35, 1353-1360.	0.6	2
98	The Electron Drift Instrument for MMS. , 2017, , 283-305.		0
99	The FIELDs Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. , 2017, , 105-135.		3
100	Long-term vacuum tests of single-mode vertical cavity surface emitting laser diodes used for a scalar magnetometer. , 2017, , .		0
101	Optimized merging of search coil and fluxgate data for MMS. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 521-530.	0.6	22
102	Anisotropic Jüttner (relativistic Boltzmann) distribution. <i>Annales Geophysicae</i> , 2016, 34, 737-738.	0.6	10
103	A statistical study on the shape and position of the magnetotail neutral sheet. <i>Annales Geophysicae</i> , 2016, 34, 303-311.	0.6	22
104	Generalised partition functions: inferences on phase space distributions. <i>Annales Geophysicae</i> , 2016, 34, 557-564.	0.6	1
105	Inverse scattering problem in turbulent magnetic fluctuations. <i>Annales Geophysicae</i> , 2016, 34, 673-689.	0.6	1
106	Ion Bernstein waves in the magnetic reconnection region. <i>Annales Geophysicae</i> , 2016, 34, 85-89.	0.6	10
107	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016, 43, 5969-5978.	1.5	92
108	Bursty bulk flows at different magnetospheric activity levels: Dependence on IMF conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8773-8789.	0.8	13

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109	Study of the spacecraft potential under active control and plasma density estimates during the MMS commissioning phase. <i>Geophysical Research Letters</i> , 2016, 43, 4858-4864.	1.5	13
110	Weak, Quiet Magnetic Fields Seen in the Venus Atmosphere. <i>Scientific Reports</i> , 2016, 6, 23537.	1.6	12
111	Multi-scale structures of turbulent magnetic reconnection. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	26
112	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016, 352, aaf2939.	6.0	545
113	Three-dimensional development of front region of plasma jets generated by magnetic reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 8356-8364.	1.5	14
114	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 8853-8858.	1.5	28
115	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. <i>Geophysical Research Letters</i> , 2016, 43, 4841-4849.	1.5	30
116	Wave telescope technique for MMS magnetometer. <i>Geophysical Research Letters</i> , 2016, 43, 4774-4780.	1.5	15
117	Steepening of waves at the duskside magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 7373-7380.	1.5	14
118	Hemispheric asymmetry in the near-Venusian magnetotail during solar maximum. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4542-4547.	0.8	8
119	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2016, 827, L8.	3.0	49
120	Force balance at the magnetopause determined with MMS: Application to flux transfer events. <i>Geophysical Research Letters</i> , 2016, 43, 11,941.	1.5	27
121	Magnetotail energy dissipation during an auroral substorm. <i>Nature Physics</i> , 2016, 12, 1158-1163.	6.5	14
122	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016, 43, 5606-5615.	1.5	104
123	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. <i>Geophysical Research Letters</i> , 2016, 43, 7279-7286.	1.5	49
124	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 6012-6019.	1.5	37
125	Temporal evolutions of the solar wind conditions at 1 AU prior to the near-Earth X lines in the tail: Superposed epoch analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7488-7496.	0.8	4
126	Critical temperature in relativistic Lorentzian thermodynamics of massive bosons. <i>Europhysics Letters</i> , 2016, 116, 10003.	0.7	1

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127	The Electron Drift Instrument for MMS. <i>Space Science Reviews</i> , 2016, 199, 283-305.	3.7	52
128	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. <i>Space Science Reviews</i> , 2016, 199, 105-135.	3.7	390
129	The Magnetospheric Multiscale Magnetometers. <i>Space Science Reviews</i> , 2016, 199, 189-256.	3.7	896
130	The Magnetospheric Multiscale Magnetometers. , 2016, 199, 189.		1
131	Two states of magnetotail dipolarization fronts: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1096-1108.	0.8	29
132	X lines in the magnetotail for southward and northward IMF conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7764-7773.	0.8	12
133	Deriving plasma densities in tenuous plasma regions, with the spacecraft potential under active control. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9594-9616.	0.8	13
134	A statistical study of the low-altitude ionospheric magnetic fields over the north pole of Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6218-6229.	0.8	7
135	Anharmonic oscillatory flow braking in the Earth's magnetotail. <i>Geophysical Research Letters</i> , 2015, 42, 3700-3706.	1.5	10
136	Parallel-dominant and perpendicular-dominant components of the fast bulk flow: Comparing with the PSBL beams. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9500-9512.	0.8	6
137	On the evolution of a magnetic flux rope: Two-dimensional MHD simulation results. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8547-8558.	0.8	4
138	Statistical characteristics of slow earthward and tailward flows in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6199-6206.	0.8	8
139	Kinetic theory of information—the dynamics of information. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	0
140	Ideal MHD turbulence: the inertial range spectrum with collisionless dissipation. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	4
141	Information kinetics—an extension. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	0
142	Broad current sheets, current bifurcation, and collisionless reconnection—An Opinion on “Onset of fast magnetic reconnection via subcritical bifurcation” by Z. Guo and X. Wang. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	2
143	Design of the Magneto-resistive Magnetometer for ESA's SOSMAG Project. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	12
144	Earthward and tailward flows in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4487-4495.	0.8	4

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145	Spontaneous magnetic reconnection. <i>Astronomy and Astrophysics Review</i> , 2015, 23, 1.	9.1	33
146	A statistical analysis of Pi2 band waves in the plasma sheet and their relation to magnetospheric drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6167-6175.	0.8	21
147	Probabilities of magnetic reconnection encounter at different activity levels in the Earth's magnetotail. <i>Advances in Space Research</i> , 2015, 56, 736-741.	1.2	9
148	Substorm Current Wedge Revisited. <i>Space Science Reviews</i> , 2015, 190, 1-46.	3.7	184
149	Plasma wave mediated attractive potentials: a prerequisite for electron compound formation. <i>Annales Geophysicae</i> , 2014, 32, 975-989.	0.6	6
150	Evidence of transient reconnection in the outflow jet of primary reconnection site. <i>Annales Geophysicae</i> , 2014, 32, 239-248.	0.6	7
151	Fractional Laplace transforms - a perspective. <i>Frontiers in Physics</i> , 2014, 2, .	1.0	1
152	Beyond Gibbs-Boltzmann-Shannon: general entropies - the Gibbs-Lorentzian example. <i>Frontiers in Physics</i> , 2014, 2, .	1.0	11
153	The strongest magnetic fields in the universe: how strong can they become?. <i>Frontiers in Physics</i> , 2014, 2, .	1.0	8
154	Lessons on collisionless reconnection from quantum fluids. <i>Frontiers in Physics</i> , 2014, 2, .	1.0	0
155	Superdiffusion revisited in view of collisionless reconnection. <i>Annales Geophysicae</i> , 2014, 32, 643-650.	0.6	5
156	Mirror mode structures near Venus and Comet P/Halley. <i>Annales Geophysicae</i> , 2014, 32, 651-657.	0.6	33
157	Flux-gate magnetometer spin axis offset calibration using the electron drift instrument. <i>Measurement Science and Technology</i> , 2014, 25, 105008.	1.4	14
158	Association of consecutive Pi2 band pulsations with earthward fast flows in the plasma sheet in response to IMF variations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3617-3640.	0.8	3
159	Observation of double layer in the separatrix region during magnetic reconnection. <i>Geophysical Research Letters</i> , 2014, 41, 4851-4858.	1.5	48
160	Radial distribution of magnetic field in earth magnetotail current sheet. <i>Planetary and Space Science</i> , 2014, 103, 273-285.	0.9	11
161	Interinstrument calibration using magnetic field data from the flux-gate magnetometer (FGM) and electron drift instrument (EDI) onboard Cluster. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2014, 3, 1-11.	0.6	17
162	Correlation of core field polarity of magnetotail flux ropes with the IMF B_y : Reconnection guide field dependency. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2933-2944.	0.8	23

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