

M W Dunlop

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348
papers

10,092
citations

47
h-index

83
g-index

360
ext. papers

10,862
ext. citations

4
avg, IF

5.34
L-index

#	Paper	IF	Citations
348	The Cluster Magnetic Field Investigation: overview of in-flight performance and initial results. <i>Annales Geophysicae</i> , 2001 , 19, 1207-1217	2	860
347	Transport of solar wind into Earth's magnetosphere through rolled-up Kelvin-Helmholtz vortices. <i>Nature</i> , 2004 , 430, 755-8	50.4	490
346	THE CLUSTER MAGNETIC FIELD INVESTIGATION. <i>Space Science Reviews</i> , 1997 , 79, 65-91	7.5	265
345	Composition and dynamics of plasma in Saturn's magnetosphere. <i>Science</i> , 2005 , 307, 1262-6	33.3	261
344	Four-point Cluster application of magnetic field analysis tools: The Curlometer. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 23-1		235
343	Energetic electron response to ULF waves induced by interplanetary shocks in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		228
342	Observations of short large-amplitude magnetic structures at a quasi-parallel shock. <i>Journal of Geophysical Research</i> , 1992 , 97, 4209		158
341	Global scale-invariant dissipation in collisionless plasma turbulence. <i>Physical Review Letters</i> , 2009 , 103, 075006	7.4	157
340	Conditions for the formation of hot flow anomalies at Earth's bow shock. <i>Journal of Geophysical Research</i> , 2000 , 105, 12639-12650		117
339	Simultaneous Cluster and IMAGE observations of cusp reconnection and auroral proton spot for northward IMF. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	111
338	Temporal evolution of the electric field accelerating electrons away from the auroral ionosphere. <i>Nature</i> , 2001 , 414, 724-7	50.4	111
337	Evidence for a flux transfer event generated by multiple X-line reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	109
336	Dimensional analysis of observed structures using multipoint magnetic field measurements: Application to Cluster. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	108
335	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5574-5592	2.6	102
334	On the importance of interplanetary magnetic field By on polar cap patch formation. <i>Journal of Geophysical Research</i> , 2011 , 116,		102
333	Cluster observations of continuous reconnection at the magnetopause under steady interplanetary magnetic field conditions. <i>Annales Geophysicae</i> , 2004 , 22, 2355-2367	2	100
332	Structural evolution and polar order in Sr _{1-x} BaxTiO ₃ . <i>Physical Review B</i> , 2002 , 65,	3.3	97

331	High-altitude cusp flow dependence on IMF orientation: A 3-year Cluster statistical study. <i>Journal of Geophysical Research</i> , 2005 , 110,		96
330	Motion of observed structures calculated from multi-point magnetic field measurements: Application to Cluster. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	84
329	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. <i>Geophysical Research Letters</i> , 2002 , 29, 43-1-43-4	4.9	83
328	Cluster as a wave telescope I first results from the fluxgate magnetometer. <i>Annales Geophysicae</i> , 2001 , 19, 1439-1447	2	81
327	Analyses on the geometrical structure of magnetic field in the current sheet based on cluster measurements. <i>Journal of Geophysical Research</i> , 2003 , 108,		78
326	Active current sheets near the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1988 , 93, 11295		76
325	Nonstationarity and reformation of high-Mach-number quasiperpendicular shocks: Cluster observations. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	69
324	Four-spacecraft determination of magnetopause orientation, motion and thickness: comparison with results from single-spacecraft methods. <i>Annales Geophysicae</i> , 2004 , 22, 1347-1365	2	69
323	Reconstruction of two-dimensional magnetopause structures from Cluster observations: verification of method. <i>Annales Geophysicae</i> , 2004 , 22, 1251-1266	2	69
322	Cluster observations of traveling compression regions in the near-tail. <i>Journal of Geophysical Research</i> , 2005 , 110,		66
321	Cluster electric current density measurements within a magnetic flux rope in the plasma sheet. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	66
320	Cluster observations of the exterior cusp and its surrounding boundaries under northward IMF. <i>Geophysical Research Letters</i> , 2002 , 29, 56-1-56-4	4.9	62
319	Optimal reconstruction of magnetopause structures from Cluster data. <i>Annales Geophysicae</i> , 2005 , 23, 973-982	2	60
318	Satellite observations of separator-line geometry of three-dimensional magnetic reconnection. <i>Nature Physics</i> , 2007 , 3, 609-613	16.2	57
317	A statistical study of EMIC wave-associated He ⁺ energization in the outer magnetosphere: Cluster/CODIF observations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		55
316	First current density measurements in the ring current region using simultaneous multi-spacecraft CLUSTER-FGM data. <i>Annales Geophysicae</i> , 2005 , 23, 1849-1865	2	55
315	First simultaneous observations of flux transfer events at the high-latitude magnetopause by the Cluster spacecraft and pulsed radar signatures in the conjugate ionosphere by the CUTLASS and EISCAT radars. <i>Annales Geophysicae</i> , 2001 , 19, 1491-1508	2	55
314	Solar wind entry into the high-latitude terrestrial magnetosphere during geomagnetically quiet times. <i>Nature Communications</i> , 2013 , 4, 1466	17.4	53

313	Cluster and TC-1 observation of magnetic holes in the plasma sheet. <i>Annales Geophysicae</i> , 2012 , 30, 583-595		53
312	Mirror mode structures observed in the dawn-side magnetosheath by Equator-S. <i>Geophysical Research Letters</i> , 1999 , 26, 2159-2162	4.9	52
311	Global view of dayside magnetic reconnection with the dusk-dawn IMF orientation: A statistical study for Double Star and Cluster data. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	51
310	Case studies of the dynamics of ionospheric ions in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2004 , 109,		50
309	Four-point Cluster application of magnetic field analysis tools: The discontinuity analyzer. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 24-1		50
308	Statistical survey on the magnetic structure in magnetotail current sheets. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		49
307	Magnetopause reconnection across wide local time. <i>Annales Geophysicae</i> , 2011 , 29, 1683-1697	2	49
306	Determination of dispersion relations in quasi-stationary plasma turbulence using dual satellite data. <i>Geophysical Research Letters</i> , 1995 , 22, 2653-2656	4.9	49
305	Identifying magnetic reconnection events using the FOTE method. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1263-1272	2.6	48
304	Magnetic topologies of an in vivo FTE observed by Double Star/TC-1 at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2013 , 40, 3502-3506	4.9	48
303	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. <i>Annales Geophysicae</i> , 2012 , 30, 1025-1035	2	48
302	Magnetopause and Boundary Layer. <i>Space Science Reviews</i> , 2005 , 118, 231-320	7.5	48
301	Magnetic configurations of the tilted current sheets in magnetotail. <i>Annales Geophysicae</i> , 2008 , 26, 3525-3543		47
300	Cluster and Double Star multipoint observations of a plasma bubble. <i>Annales Geophysicae</i> , 2009 , 27, 725-743		47
299	Cluster PEACE observations of electrons during magnetospheric flux transfer events. <i>Annales Geophysicae</i> , 2001 , 19, 1509-1522	2	47
298	Evidence for impulsive solar wind plasma penetration through the dayside magnetopause. <i>Annales Geophysicae</i> , 2003 , 21, 457-472	2	45
297	Cluster magnetic field observations in the magnetosheath: four-point measurements of mirror structures. <i>Annales Geophysicae</i> , 2001 , 19, 1421-1428	2	45
296	Geomagnetic signatures of current wedge produced by fast flows in a plasma sheet. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		44

295	Magnetic field rotation analysis and the applications. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		44
294	Plasma flow in the Jovian magnetosphere and related magnetic effects: Ulysses observations. <i>Journal of Geophysical Research</i> , 1996 , 101, 15197-15210		44
293	First comparisons of local ion measurements in the inner magnetosphere with energetic neutral atom magnetospheric image inversions: Cluster-CIS and IMAGE-HENA observations. <i>Journal of Geophysical Research</i> , 2004 , 109,		43
292	Cluster magnetic field observations of the bowshock: Orientation, motion and structure. <i>Annales Geophysicae</i> , 2001 , 19, 1399-1409	2	43
291	Energetic electron bursts in the plasma sheet and their relation with BBFs. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8902-8915	2.6	42
290	Coordinated Cluster/Double Star observations of dayside reconnection signatures. <i>Annales Geophysicae</i> , 2005 , 23, 2867-2875	2	42
289	Four spacecraft measurements of the quasiperpendicular terrestrial bow shock: Orientation and motion. <i>Journal of Geophysical Research</i> , 2002 , 107, SSH 10-1-SSH 10-11		42
288	Intermittent thermal plasma acceleration linked to sporadic motions of the magnetopause, first Cluster results. <i>Annales Geophysicae</i> , 2001 , 19, 1523-1532	2	42
287	Asymmetry of magnetosheath flows and magnetopause shape during low Alfvén Mach number solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1089-1100	2.6	41
286	Cluster observations of surface waves on the dawn flank magnetopause. <i>Annales Geophysicae</i> , 2004 , 22, 971-983	2	41
285	Flattened current sheet and its evolution in substorms. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		40
284	A Cluster measurement of fast magnetic reconnection in the magnetotail. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	40
283	Cluster survey of the high-altitude cusp properties: a three-year statistical study. <i>Annales Geophysicae</i> , 2004 , 22, 3009-3019	2	40
282	Identification of magnetosheath mirror modes in Equator-S magnetic field data. <i>Annales Geophysicae</i> , 1999 , 17, 1560-1573	2	40
281	Coordinated ground-based and Cluster observations of large amplitude global magnetospheric oscillations during a fast solar wind speed interval. <i>Annales Geophysicae</i> , 2002 , 20, 405-426	2	40
280	Extended magnetic reconnection across the dayside magnetopause. <i>Physical Review Letters</i> , 2011 , 107, 025004	7.4	39
279	Source of whistler emissions at the dayside magnetopause. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	39
278	In situ magnetic field observations of the AMPTE artificial comet. <i>Nature</i> , 1986 , 320, 708-711	50.4	39

277	The exterior cusp and its boundary with the magnetosheath: Cluster multi-event analysis. <i>Annales Geophysicae</i> , 2004 , 22, 3039-3054	2	38
276	A case study of EMIC wave-associated He ⁺ energization in the outer magnetosphere: Cluster and Double Star 1 observations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		37
275	Wal α and slow-mode shock analyses in the near-Earth magnetotail in connection with a substorm onset on 27 August 2001. <i>Journal of Geophysical Research</i> , 2004 , 109,		36
274	Three-dimensional magnetic flux rope structure formed by multiple sequential X-line reconnection at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1904-1911	2.6	35
273	AMPTE observations of mirror mode waves in the magnetosheath: Wavevector determination. <i>Journal of Geophysical Research</i> , 1999 , 104, 437-447		35
272	In situ magnetic field measurements during AMPTE solar wind Li ⁺ releases. <i>Journal of Geophysical Research</i> , 1986 , 91, 1261		35
271	Temporal evolution of two auroral arcs as measured by the Cluster satellite and coordinated ground-based instruments. <i>Annales Geophysicae</i> , 2004 , 22, 4089-4101	2	35
270	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6458-6479	2.6	35
269	Cluster observations of $\bar{\nu}$ ater α flux transfer events at the dayside high-latitude magnetopause. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		34
268	Cluster observations of electrostatic solitary waves near the Earth's bow shock. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		34
267	Cluster magnetic field observations at a quasi-parallel bow shock. <i>Annales Geophysicae</i> , 2002 , 20, 1699-1710		34
266	Kinetic study of the mirror mode. <i>Journal of Geophysical Research</i> , 2001 , 106, 21611-21622		34
265	Cluster observations of fast magnetosonic waves in the terrestrial foreshock. <i>Geophysical Research Letters</i> , 2002 , 29, 3-1-3-4	4.9	34
264	Reconnection at high latitudes: antiparallel merging. <i>Physical Review Letters</i> , 2009 , 102, 075005	7.4	33
263	Cluster at the Magnetospheric Cusps. <i>Space Science Reviews</i> , 2005 , 118, 321-366	7.5	33
262	Ordering of momentum transfer along VB in the AMPTE solar wind releases. <i>Journal of Geophysical Research</i> , 1986 , 91, 8051		33
261	Multiple bidirectional EMIC waves observed by Cluster at middle magnetic latitudes in the dayside magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6266-6278	2.6	32
260	Electron trapping around a magnetic null. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	32

259	Spontaneous generation of self-organized solitary wave structures at earth's magnetopause. <i>Physical Review Letters</i> , 2007 , 99, 205006	7.4	32
258	Multisatellite measurements of electron phase space density gradients in the Earth's inner and outer magnetosphere. <i>Journal of Geophysical Research</i> , 2004 , 109,		32
257	Profile of strong magnetic field By component in magnetotail current sheets. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		31
256	Least-squares gradient calculation from multi-point observations of scalar and vector fields: methodology and applications with Cluster in the plasmasphere. <i>Annales Geophysicae</i> , 2007 , 25, 971-987 ²		31
255	Ion sound wave packets at the quasiperpendicular shock front. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	31
254	Orientation and motion of a plasma discontinuity from single-spacecraft measurements: Generic residue analysis of Cluster data. <i>Journal of Geophysical Research</i> , 2006 , 111,		31
253	Cluster observations of magnetic field fluctuations in the high-altitude cusp. <i>Annales Geophysicae</i> , 2004 , 22, 2413-2429	2	31
252	Triple cusps observed by Cluster—temporal or spatial effect?. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	31
251	Orientation and motion of a discontinuity from Cluster curlometer capability: Minimum variance of current density. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	31
250	Cluster survey of cusp reconnection and its IMF dependence. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	31
249	Dimensionality, Coordinate System and Reference Frame for Analysis of In-Situ Space Plasma and Field Data. <i>Space Science Reviews</i> , 2019 , 215, 1	7.5	30
248	Analysis of plasmaspheric plumes: CLUSTER and IMAGE observations. <i>Annales Geophysicae</i> , 2006 , 24, 1737-1758	2	30
247	Coordinated interhemispheric SuperDARN radar observations of the ionospheric response to flux transfer events observed by the Cluster spacecraft at the high-latitude magnetopause. <i>Annales Geophysicae</i> , 2003 , 21, 1807-1826	2	30
246	Statistical analysis of earthward flow bursts in the inner plasma sheet during substorms. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		29
245	TC-1 observations of flux pileup and dipolarization-associated expansion in the near-Earth magnetotail during substorms. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	29
244	Double Star TC-1 observations of component reconnection at the dayside magnetopause: a preliminary study. <i>Annales Geophysicae</i> , 2005 , 23, 2889-2895	2	29
243	Cluster observations of the high-latitude magnetopause and cusp: initial results from the CIS ion instruments. <i>Annales Geophysicae</i> , 2001 , 19, 1545-1566	2	29
242	An interplanetary planar magnetic structure oriented at a large (~ 80 deg) angle to the Parker spiral. <i>Geophysical Research Letters</i> , 1990 , 17, 1025-1028	4.9	29

241	Earth's ion upflow associated with polar cap patches: Global and in situ observations. <i>Geophysical Research Letters</i> , 2016 , 43, 1845-1853	4.9	28
240	Cluster Observes the High-Altitude CUSP Region. <i>Surveys in Geophysics</i> , 2005 , 26, 135-175	7.6	28
239	Multi-spacecraft observations of broadband waves near the lower hybrid frequency at the Earthward edge of the magnetopause. <i>Annales Geophysicae</i> , 2001 , 19, 1471-1481	2	28
238	A magnetic null geometry reconstructed from Cluster spacecraft observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		27
237	Formation of the low-latitude boundary layer and cusp under the northward IMF: Simultaneous observations by Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		27
236	CLUSTER encounters with the high altitude cusp: boundary structure and magnetic field depletions. <i>Annales Geophysicae</i> , 2004 , 22, 1739-1754	2	27
235	Bursty energetic electrons confined in flux ropes in the cusp region. <i>Planetary and Space Science</i> , 2003 , 51, 821-830	2	27
234	Magnetopause current as seen by Cluster. <i>Annales Geophysicae</i> , 2005 , 23, 901-907	2	27
233	Identifying nonlinear wave interactions in plasmas using two-point measurements: A case study of Short Large Amplitude Magnetic Structures (SLAMS). <i>Journal of Geophysical Research</i> , 1999 , 104, 17079-17090		27
232	Cluster observations of the heliospheric current sheet and an associated magnetic flux rope and comparisons with ACE. <i>Journal of Geophysical Research</i> , 2002 , 107, SSH 9-1		26
231	Magnetic Nulls in the Reconnection Driven by Turbulence. <i>Astrophysical Journal</i> , 2018 , 852, 17	4.7	25
230	Direct calculation of the ring current distribution and magnetic structure seen by Cluster during geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2458-2465	2.6	25
229	Minimum variance free wave identification: Application to Cluster electric field data in the magnetosheath. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	25
228	Cluster four spacecraft measurements of small traveling compression regions in the near-tail. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	25
227	Cluster observes the Earth's magnetopause: coordinated four-point magnetic field measurements. <i>Annales Geophysicae</i> , 2001 , 19, 1449-1460	2	25
226	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. <i>Journal of Geophysical Research</i> , 2010 , 115,		24
225	On the generation of enhanced sunward convection and transpolar aurora in the high-latitude ionosphere by magnetic merging. <i>Journal of Geophysical Research</i> , 2005 , 110,		24
224	Multiple Flux Rope Events at the High-Latitude Magnetopause: Cluster/Rapid Observation on 26 January, 2001. <i>Surveys in Geophysics</i> , 2005 , 26, 193-214	7.6	24

223	Coordinated Cluster and ground-based instrument observations of transient changes in the magnetopause boundary layer during an interval of predominantly northward IMF: relation to reconnection pulses and FTE signatures. <i>Annales Geophysicae</i> , 2001 , 19, 1613-1640	2	24
222	Transient plasma injections in the dayside magnetosphere: one-to-one correlated observations by Cluster and SuperDARN. <i>Annales Geophysicae</i> , 2004 , 22, 141-158	2	24
221	Simultaneous field-aligned currents at Swarm and Cluster satellites. <i>Geophysical Research Letters</i> , 2015 , 42, 3683-3691	4.9	23
220	Spatial gradients from irregular, multiple-point spacecraft configurations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
219	Characteristics of terrestrial foreshock ULF waves: Cluster observations. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		23
218	Cluster observations of the high-altitude cusp for northward interplanetary magnetic field: A case study. <i>Journal of Geophysical Research</i> , 2003 , 108,		23
217	Energetic Electrons as a Field Line Topology Tracer in the High Latitude Boundary/CUSP Region: Cluster Rapid Observations. <i>Surveys in Geophysics</i> , 2005 , 26, 215-240	7.6	23
216	Multispacecraft current estimates at swarm. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8307-8316	2.6	22
215	The distribution of the ring current: Cluster observations. <i>Annales Geophysicae</i> , 2011 , 29, 1655-1662	2	22
214	Near-Earth substorm features from multiple satellite observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		22
213	Spatial gradients in the plasmasphere from Cluster. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	22
212	Tracing solar wind plasma entry into the magnetosphere using ion-to-electron temperature ratio. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	21
211	Determination of the dispersion of low frequency waves downstream of a quasiperpendicular collisionless shock. <i>Annales Geophysicae</i> , 1997 , 15, 143-151	2	21
210	Effect of a northward turning of the interplanetary magnetic field on cusp precipitation as observed by Cluster. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		21
209	Lower hybrid waves at the shock front: a reassessment. <i>Annales Geophysicae</i> , 2008 , 26, 699-707	2	21
208	On the formation of the high-altitude stagnant cusp: Cluster observations. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	21
207	Orientation and motion of a discontinuity from single-spacecraft measurements of plasma velocity and density: Minimum mass flux residue. <i>Journal of Geophysical Research</i> , 2004 , 109,		21
206	Coordinated studies of the geospace environment using Cluster, satellite and ground-based data: an interim review. <i>Annales Geophysicae</i> , 2005 , 23, 2129-2170	2	21

205	Observation of the terrestrial bow shock in quasi-electrostatic subshock regime. <i>Journal of Geophysical Research</i> , 2002 , 107, SSH 1-1-SSH 1-9		21
204	Observations of electron distributions in magnetosheath mirror mode waves. <i>Journal of Geophysical Research</i> , 1998 , 103, 26765-26774		21
203	The magnetic field experiment onboard Equator-S and its scientific possibilities. <i>Annales Geophysicae</i> , 1999 , 17, 1521-1527	2	21
202	Testing linear theory of EMIC waves in the inner magnetosphere: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1004-1027	2.6	20
201	Breakdown of the frozen-in condition in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		20
200	Internal structure of a magnetic flux rope from Cluster observations. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	20
199	The high-altitude cusps: HEOS 2. <i>Journal of Geophysical Research</i> , 2000 , 105, 27509-27517		20
198	Dual-spacecraft observations of standing waves in the magnetosheath. <i>Journal of Geophysical Research</i> , 2001 , 106, 25395-25408		20
197	Structure and evolution of flux transfer events near dayside magnetic reconnection dissipation region: MMS observations. <i>Geophysical Research Letters</i> , 2017 , 44, 5951-5959	4.9	19
196	Magnetospheric Multiscale Observation of Kinetic Signatures in the Alfvén Vortex. <i>Astrophysical Journal Letters</i> , 2019 , 871, L22	7.9	19
195	The force-free configuration of flux ropes in geomagnetotail: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6327-6341	2.6	19
194	Phase structure of Pc3 waves observed by Cluster and ground stations near the cusp. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		19
193	Multispacecraft and ground-based observations of substorm timing and activations: Two case studies. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		18
192	Observations of auroral broadband emissions by CLUSTER. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	18
191	Cluster Observations of the CUSP: Magnetic Structure and Dynamics. <i>Surveys in Geophysics</i> , 2005 , 26, 5-55	7.6	18
190	Coordinated Cluster, ground-based instrumentation and low-altitude satellite observations of transient poleward-moving events in the ionosphere and in the tail lobe. <i>Annales Geophysicae</i> , 2001 , 19, 1589-1612	2	18
189	Compressible turbulence with slow-mode waves observed in the bursty bulk flow of plasma sheet. <i>Geophysical Research Letters</i> , 2016 , 43, 1854-1861	4.9	17
188	Dependence of IMF By penetration into the neutral sheet on IMF Bz and geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5279-5285	2.6	17

187	Cluster observations of fast shocks in the magnetosheath launched as a tangential discontinuity with a pressure increase crossed the bow shock. <i>Journal of Geophysical Research</i> , 2008 , 113,		17
186	Geometry of the high-latitude magnetopause as observed by Cluster. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		17
185	Polar cap patch transportation beyond the classic scenario. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9063-9074	2.6	16
184	On the location of dayside magnetic reconnection during an interval of duskward oriented IMF. <i>Annales Geophysicae</i> , 2007 , 25, 219-238	2	16
183	Multipoint observations of transient reconnection signatures in the cusp precipitation: A Cluster-IMAGE detailed case study. <i>Journal of Geophysical Research</i> , 2005 , 110,		16
182	Temporal evolution of a staircase ion signature observed by Cluster in the mid-altitude polar cusp. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	16
181	Ulysses observations of the magnetic field structure within CIRs. <i>Geophysical Research Letters</i> , 2000 , 27, 625-628	4.9	16
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