

Pascal DÃ©moulin

List of Publications by Year in descending order

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246
papers

11,580
citations

20759

60
h-index

33814

99
g-index

250
all docs

250
docs citations

250
times ranked

2434
citing authors

#	ARTICLE	IF	CITATIONS
1	FORMATION OF TORUS-UNSTABLE FLUX ROPES AND ELECTRIC CURRENTS IN ERUPTING SIGMOIDS. <i>Astrophysical Journal</i> , 2010, 708, 314-333.	1.6	443
2	Three-dimensional magnetic reconnection without null points: 1. Basic theory of magnetic flipping. <i>Journal of Geophysical Research</i> , 1995, 100, 23443.	3.3	376
3	Theory of magnetic connectivity in the solar corona. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 3-1-SSH 3-13.	3.3	364
4	Nonlinear Force-free Field Modeling of a Solar Active Region around the Time of a Major Flare and Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2008, 675, 1637-1644.	1.6	254
5	CRITERIA FOR FLUX ROPE ERUPTION: NON-EQUILIBRIUM VERSUS TORUS INSTABILITY. <i>Astrophysical Journal</i> , 2010, 718, 1388-1399.	1.6	235
6	Coronal "Wave": Magnetic Footprint of a Coronal Mass Ejection?. <i>Astrophysical Journal</i> , 2007, 656, L101-L104.	1.6	201
7	Slip-Running Reconnection in Quasi-Separatrix Layers. <i>Solar Physics</i> , 2006, 238, 347-376.	1.0	191
8	Current sheet formation in quasi-separatrix layers and hyperbolic flux tubes. <i>Astronomy and Astrophysics</i> , 2005, 444, 961-976.	2.1	190
9	Magnetic Field and Plasma Scaling Laws: Their Implications for Coronal Heating Models. <i>Astrophysical Journal</i> , 2000, 530, 999-1015.	1.6	187
10	Three-dimensional magnetic reconnection without null points: 2. Application to twisted flux tubes. <i>Journal of Geophysical Research</i> , 1996, 101, 7631-7646.	3.3	184
11	Eruption of a Kink-unstable Filament in NOAA Active Region 10696. <i>Astrophysical Journal</i> , 2005, 628, L163-L166.	1.6	179
12	Magnetic Energy and Helicity Fluxes at the Photospheric Level. <i>Solar Physics</i> , 2003, 215, 203-215.	1.0	174
13	A new model-independent method to compute magnetic helicity in magnetic clouds. <i>Astronomy and Astrophysics</i> , 2006, 455, 349-359.	2.1	173
14	What is the source of the magnetic helicity shed by CMEs? The long-term helicity budget of AR 7978. <i>Astronomy and Astrophysics</i> , 2002, 382, 650-665.	2.1	169
15	The Effect of Curvature on Flux-Rope Models of Coronal Mass Ejections. <i>Astrophysical Journal</i> , 1998, 504, 1006-1019.	1.6	168
16	The standard flare model in three dimensions. <i>Astronomy and Astrophysics</i> , 2013, 555, A77.	2.1	163
17	The standard flare model in three dimensions. <i>Astronomy and Astrophysics</i> , 2013, 549, A66.	2.1	158
18	The Magnetic Helicity Budget of a cme-Prolific Active Region. <i>Solar Physics</i> , 2002, 208, 43-68.	1.0	143

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19	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	143
20	Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars. <i>Nature Communications</i> , 2015, 6, 7135.	5.8	142
21	Catastrophic Evolution of a Force-free Flux Rope: A Model for Eruptive Flares. <i>Astrophysical Journal</i> , 1993, 417, 368.	1.6	142
22	COEXISTING FLUX ROPE AND DIPPED ARCADE SECTIONS ALONG ONE SOLAR FILAMENT. <i>Astrophysical Journal</i> , 2010, 714, 343-354.	1.6	140
23	ELECTRIC CURRENTS IN FLARE RIBBONS: OBSERVATIONS AND THREE-DIMENSIONAL STANDARD MODEL. <i>Astrophysical Journal</i> , 2014, 788, 60.	1.6	136
24	From Coronal Observations to MHD Simulations, the Building Blocks for 3D Models of Solar Flares (Invited Review). <i>Solar Physics</i> , 2015, 290, 3425-3456.	1.0	132
25	Progressive Transformation of a Flux Rope to an ICME. <i>Solar Physics</i> , 2007, 244, 115-137.	1.0	131
26	Photospheric flux density of magnetic helicity. <i>Astronomy and Astrophysics</i> , 2005, 439, 1191-1203.	2.1	130
27	Interplanetary flux rope ejected from an X-ray bright point. <i>Astronomy and Astrophysics</i> , 2005, 434, 725-740.	2.1	127
28	Solar filament eruptions and their physical role in triggering coronal mass ejections. <i>Advances in Space Research</i> , 2013, 51, 1967-1980.	1.2	124
29	The Structure and Evolution of a Sigmoidal Active Region. <i>Astrophysical Journal</i> , 2002, 574, 1021-1038.	1.6	122
30	Evidence for Large-Scale Solar Magnetic Reconnection from Radio and X-Ray Measurements. <i>Astrophysical Journal</i> , 1996, 468, L73-L76.	1.6	121
31	Observational Consequences of a Magnetic Flux Rope Emerging into the Corona. <i>Astrophysical Journal</i> , 2004, 617, 600-613.	1.6	117
32	Extending the concept of separatrices to QSLs for magnetic reconnection. <i>Advances in Space Research</i> , 2006, 37, 1269-1282.	1.2	110
33	Causes and consequences of magnetic cloud expansion. <i>Astronomy and Astrophysics</i> , 2009, 498, 551-566.	2.1	109
34	Statistical study of magnetic cloud erosion by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 43-60.	0.8	106
35	MAGNETIC RECONNECTION ALONG QUASI-SEPARATRIX LAYERS AS A DRIVER OF UBIQUITOUS ACTIVE REGION OUTFLOWS. <i>Astrophysical Journal</i> , 2009, 705, 926-935.	1.6	102
36	Global and local expansion of magnetic clouds in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2010, 509, A39.	2.1	99

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37	Equilibrium and observational properties of line-tied twisted flux tubes. <i>Astronomy and Astrophysics</i> , 2005, 430, 1067-1087.	2.1	96
38	The Counterkink Rotation of a Non- α -Hale Active Region. <i>Astrophysical Journal</i> , 2000, 544, 540-549.	1.6	94
39	Twisted Flux Tube Emergence Evidenced in Longitudinal Magnetograms: Magnetic Tongues. <i>Solar Physics</i> , 2011, 270, 45-74.	1.0	89
40	Modelling and observations of photospheric magnetic helicity. <i>Advances in Space Research</i> , 2009, 43, 1013-1031.	1.2	87
41	Estimation of the squashing degree within a three-dimensional domain. <i>Astronomy and Astrophysics</i> , 2012, 541, A78.	2.1	85
42	The Magnetic Helicity Injected by Shearing Motions. <i>Solar Physics</i> , 2002, 207, 87-110.	1.0	82
43	Differential Magnetic Field Shear in an Active Region. <i>Astrophysical Journal</i> , 1996, 467, 881.	1.6	81
44	Are CME-Related Dimmings Always a Simple Signature of Interplanetary Magnetic Cloud Footpoints?. <i>Solar Physics</i> , 2007, 244, 25-43.	1.0	79
45	Expected in Situ Velocities from a Hierarchical Model for Expanding Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , 2008, 250, 347-374.	1.0	79
46	Recent theoretical and observational developments in magnetic helicity studies. <i>Advances in Space Research</i> , 2007, 39, 1674-1693.	1.2	76
47	3D magnetic reconnection at an X-ray bright point. <i>Solar Physics</i> , 1996, 168, 115-133.	1.0	75
48	Large scale MHD properties of interplanetary magnetic clouds. <i>Advances in Space Research</i> , 2005, 35, 711-724.	1.2	75
49	The Magnetic Structure of Coronal Loops Observed by TRACE. <i>Astrophysical Journal</i> , 2006, 639, 459-474.	1.6	74
50	Magnetic twist and writhe of active regions. <i>Astronomy and Astrophysics</i> , 2003, 397, 305-318.	2.1	74
51	Linking two consecutive nonmerging magnetic clouds with their solar sources. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	68
52	Homologous Flares and Magnetic Field Topology in Active Region NOAA 10501 on 20 November 2003. <i>Solar Physics</i> , 2011, 269, 83-104.	1.0	68
53	Recurrent coronal jets induced by repetitively accumulated electric currents. <i>Astronomy and Astrophysics</i> , 2013, 555, A19.	2.1	65
54	Emerging Flux and the Heating of Coronal Loops. <i>Astrophysical Journal</i> , 2004, 601, 530-545.	1.6	65

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55	Quasi-Separatrix Layers in a Reduced Magnetohydrodynamic Model of a Coronal Loop. <i>Astrophysical Journal</i> , 1999, 521, 889-897.	1.6	64
56	Companion Event and Precursor of the X17 Flare on 28 October 2003. <i>Solar Physics</i> , 2006, 238, 293-312.	1.0	63
57	A review of the quantitative links between CMEs and magnetic clouds. <i>Annales Geophysicae</i> , 2008, 26, 3113-3125.	0.6	63
58	Comparing Values of the Relative Magnetic Helicity in Finite Volumes. <i>Solar Physics</i> , 2012, 278, 347-366.	1.0	63
59	Generic Magnetic Field Intensity Profiles of Interplanetary Coronal Mass Ejections at Mercury, Venus, and Earth From Superposed Epoch Analyses. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 812-836.	0.8	62
60	Nonlinear Force-Free Extrapolation of Emerging Flux with a Global Twist and Serpentine Fine Structures. <i>Solar Physics</i> , 2012, 278, 73-97.	1.0	61
61	Relationship between magnetic field evolution and flaring sites in AR 6659 in June 1991. <i>Solar Physics</i> , 1994, 150, 199-219.	1.0	59
62	How are Emerging Flux, Flares and CMEs Related to Magnetic Polarity Imbalance in Midi Data?. <i>Solar Physics</i> , 2003, 215, 307-325.	1.0	59
63	Magnetic helicity analysis of an interplanetary twisted flux tube. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	59
64	Magnetic Topology of Active Regions and Coronal Holes: Implications for Coronal Outflows and the Solar Wind. <i>Solar Physics</i> , 2012, 281, 237-262.	1.0	58
65	Testing magnetic helicity conservation in a solar-like active event. <i>Astronomy and Astrophysics</i> , 2015, 580, A128.	2.1	58
66	Interpretation of multiwavelength observations of November 5, 1980 solar flares by the magnetic topology of AR 2766. <i>Solar Physics</i> , 1994, 150, 221-243.	1.0	55
67	CORONAL MAGNETIC RECONNECTION DRIVEN BY CME EXPANSION—THE 2011 JUNE 7 EVENT. <i>Astrophysical Journal</i> , 2014, 788, 85.	1.6	53
68	Superposed epoch study of ICME sub-structures near Earth and their effects on Galactic cosmic rays. <i>Astronomy and Astrophysics</i> , 2016, 592, A118.	2.1	53
69	EVIDENCE OF MAGNETIC RECONNECTION FROM H α , SOFT X-RAY AND PHOTOSPHERIC MAGNETIC FIELD OBSERVATIONS. <i>Solar Physics</i> , 1997, 174, 229-240.	1.0	52
70	Development of a topological model for solar flares. <i>Solar Physics</i> , 1992, 139, 105-123.	1.0	51
71	Topological Analysis of Emerging Bipole Clusters Producing Violent Solar Events. <i>Solar Physics</i> , 2014, 289, 2041-2071.	1.0	51
72	Magnetic Activity Associated With Radio Noise Storms. <i>Solar Physics</i> , 2000, 193, 227-245.	1.0	49

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73	Dynamical evolution of a magnetic cloud from the Sun to 5.4 AU. <i>Astronomy and Astrophysics</i> , 2011, 535, A52.	2.1	49
74	Accuracy of magnetic energy computations. <i>Astronomy and Astrophysics</i> , 2013, 553, A38.	2.1	49
75	Basic Properties of Mutual Magnetic Helicity. <i>Solar Physics</i> , 2006, 233, 3-27.	1.0	47
76	A topological approach to understand a multiple-loop solar flare. <i>Solar Physics</i> , 1995, 161, 103-121.	1.0	46
77	Radio and X-ray Signatures of Magnetic Reconnection behind an Ejected Flux Rope. <i>Astrophysical Journal</i> , 2005, 625, 1019-1026.	1.6	46
78	FILAMENT INTERACTION MODELED BY FLUX ROPE RECONNECTION. <i>Astrophysical Journal</i> , 2011, 728, 65.	1.6	46
79	Amplitude and orientation of prominence magnetic fields from constant- β magnetohydrostatic models. <i>Astronomy and Astrophysics</i> , 2003, 402, 769-780.	2.1	45
80	Magnetohydrostatic Model of a Bald-Patch Flare. <i>Solar Physics</i> , 1998, 183, 369-388.	1.0	44
81	The Long-Term Evolution of AR 7978: The Scalings of the Coronal Plasma Parameters with the Mean Photospheric Magnetic Field. <i>Astrophysical Journal</i> , 2003, 586, 579-591.	1.6	44
82	Coronal "wave": A signature of the mechanism making CMEs large-scale in the low corona?. <i>Astronomische Nachrichten</i> , 2007, 328, 760-763.	0.6	43
83	What is the spatial distribution of magnetic helicity injected in a solar active region?. <i>Astronomy and Astrophysics</i> , 2006, 452, 623-630.	2.1	43
84	Global axis shape of magnetic clouds deduced from the distribution of their local axis orientation. <i>Astronomy and Astrophysics</i> , 2013, 556, A50.	2.1	42
85	The role of magnetic bald patches in surges and arch filament systems. <i>Astronomy and Astrophysics</i> , 2002, 391, 317-329.	2.1	42
86	Reduction, analysis, and properties of electric current systems in solar active regions. <i>Astrophysical Journal</i> , 1995, 445, 982.	1.6	42
87	Magnetic cloud models with bent and oblate cross-section boundaries. <i>Astronomy and Astrophysics</i> , 2009, 507, 969-980.	2.1	41
88	Expansion of magnetic clouds in the outer heliosphere. <i>Astronomy and Astrophysics</i> , 2012, 543, A107.	2.1	41
89	Estimation of the bias of the Minimum Variance technique in the determination of magnetic clouds global quantities and orientation. <i>Advances in Space Research</i> , 2007, 40, 1881-1890.	1.2	40
90	PLASMA COMPOSITION IN A SIGMOIDAL ANEMONE ACTIVE REGION. <i>Astrophysical Journal</i> , 2013, 778, 69.	1.6	40

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91	Are There Different Populations of Flux Ropes in the Solar Wind?. Solar Physics, 2014, 289, 2633-2652.	1.0	38
92	Tracking Solar Active Region Outflow Plasma from Its Source to the Near-Earth Environment. Solar Physics, 2014, 289, 3799-3816.	1.0	38
93	UNDERSTANDING CORONAL MASS EJECTIONS AND ASSOCIATED SHOCKS IN THE SOLAR CORONA BY MERGING MULTIWAVELENGTH OBSERVATIONS. Astrophysical Journal, 2014, 795, 68.	1.6	37
94	THE ORIGIN OF NET ELECTRIC CURRENTS IN SOLAR ACTIVE REGIONS. Astrophysical Journal, 2015, 810, 17.	1.6	36
95	FIP BIAS EVOLUTION IN A DECAYING ACTIVE REGION. Astrophysical Journal, 2015, 802, 104.	1.6	36
96	The Long-Term Evolution of AR 7978: Testing Coronal Heating Models. Astrophysical Journal, 2003, 586, 592-605.	1.6	35
97	Tracing magnetic helicity from the solar corona to the interplanetary space. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1734-1743.	0.6	35
98	INITIATION AND DEVELOPMENT OF THE WHITE-LIGHT AND RADIO CORONAL MASS EJECTION ON 2001 APRIL 15. Astrophysical Journal, 2012, 750, 147.	1.6	35
99	The interplanetary magnetic structure that guides solar relativistic particles. Astronomy and Astrophysics, 2012, 538, A32.	2.1	35
100	Magnetic clouds: A statistical study of magnetic helicity. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1761-1766.	0.6	34
101	Where will efficient energy release occur in 3-D magnetic configurations?. Advances in Space Research, 2007, 39, 1367-1377.	1.2	34
102	EVOLUTION OF HARD X-RAY SOURCES AND ULTRAVIOLET SOLAR FLARE RIBBONS FOR A CONFINED ERUPTION OF A MAGNETIC FLUX ROPE. Astrophysical Journal, 2012, 746, 17.	1.6	34
103	Comparing generic models for interplanetary shocks and magnetic clouds axis configurations at 1 AU. Journal of Geophysical Research: Space Physics, 2015, 120, 3328-3349.	0.8	34
104	The Importance of Photospheric Intense Flux Tubes for Coronal Heating. Solar Physics, 1997, 175, 123-155.	1.0	32
105	Why Do Temperature and Velocity Have Different Relationships in the Solar Wind and in Interplanetary Coronal Mass Ejections?. Solar Physics, 2009, 257, 169-184.	1.0	32
106	Why Are Flare Ribbons Associated with the Spines of Magnetic Null Points Generically Elongated?. Solar Physics, 2016, 291, 1739-1759.	1.0	32
107	A Relationship Between Transition Region Brightenings, Abundances, and Magnetic Topology. Solar Physics, 2001, 203, 255-287.	1.0	31
108	Relationship between electric currents, photospheric motions, chromospheric activity, and magnetic field topology. Solar Physics, 1994, 149, 309-330.	1.0	30

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109	Magnetic Helicity Budget of Solar-Active Regions from the Photosphere to Magnetic Clouds. <i>Astrophysics and Space Science</i> , 2004, 290, 319-344.	0.5	30
110	A model for an inverse-polarity prominence supported in a dip of a quadrupolar region. <i>Solar Physics</i> , 1993, 144, 283-305.	1.0	29
111	CAN WE EXTRAPOLATE A MAGNETIC FIELD WHEN ITS TOPOLOGY IS COMPLEX?. <i>Solar Physics</i> , 1997, 174, 73-89.	1.0	29
112	The Recovery of CME-Related Dimmings and CMEs' Enduring Magnetic Connection to the Sun. <i>Solar Physics</i> , 2008, 252, 349-372.	1.0	29
113	Are Constant Loop Widths an Artifact of the Background and the Spatial Resolution?. <i>Astrophysical Journal</i> , 2008, 673, 586-597.	1.6	29
114	Implications of Non-cylindrical Flux Ropes for Magnetic Cloud Reconstruction Techniques and the Interpretation of Double Flux Rope Events. <i>Solar Physics</i> , 2012, 278, 435-446.	1.0	29
115	Photospheric Injection of Magnetic Helicity: Connectivity-Based Flux Density Method. <i>Solar Physics</i> , 2014, 289, 107-136.	1.0	29
116	Signatures of interchange reconnection: STEREO, ACE and Hinode observations combined. <i>Annales Geophysicae</i> , 2009, 27, 3883-3897.	0.6	29
117	Observations of magnetic helicity. <i>Advances in Space Research</i> , 2003, 32, 1855-1866.	1.2	28
118	Flows in the solar atmosphere due to the eruptions on the 15th July, 2002. <i>Astronomy and Astrophysics</i> , 2005, 438, 1099-1106.	2.1	28
119	First observational application of a connectivity-based helicity flux density. <i>Astronomy and Astrophysics</i> , 2013, 555, L6.	2.1	28
120	Does spacecraft trajectory strongly affect detection of magnetic clouds?. <i>Astronomy and Astrophysics</i> , 2013, 550, A3.	2.1	28
121	In situ properties of small and large flux ropes in the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7088-7107.	0.8	28
122	Typical Profiles and Distributions of Plasma and Magnetic Field Parameters in Magnetic Clouds at 1 AU. <i>Solar Physics</i> , 2016, 291, 2145-2163.	1.0	28
123	PARALLEL EVOLUTION OF QUASI-SEPARATRIX LAYERS AND ACTIVE REGION UPFLOWS. <i>Astrophysical Journal</i> , 2015, 809, 73.	1.6	27
124	Analysis of large scale MHD quantities in expanding magnetic clouds. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 1318-1326.	0.6	26
125	Why are CMEs large-scale coronal events: nature or nurture?. <i>Annales Geophysicae</i> , 2008, 26, 3077-3088.	0.6	26
126	Magnetic Flux and Helicity of Magnetic Clouds. <i>Solar Physics</i> , 2016, 291, 531-557.	1.0	26

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127	Mean shape of interplanetary shocks deduced from in situ observations and its relation with interplanetary CMEs. <i>Astronomy and Astrophysics</i> , 2014, 565, A99.	2.1	25
128	Successive injection of opposite magnetic helicity in solar active region NOAA 11928. <i>Astronomy and Astrophysics</i> , 2017, 597, A104.	2.1	25
129	H α and Soft X-Ray Brightening Events Caused by Emerging Flux. <i>Astrophysical Journal</i> , 2000, 534, 482-489.	1.6	24
130	A Multiple Flare Scenario where the Classic Long-Duration Flare Was Not the Source of a CME. <i>Solar Physics</i> , 2007, 240, 283-299.	1.0	24
131	The magnetic field topology associated with two M flares. <i>Advances in Space Research</i> , 2007, 39, 1382-1388.	1.2	24
132	Modeling the Effect of Mass-draining on Prominence Eruptions. <i>Astrophysical Journal</i> , 2019, 873, 49.	1.6	24
133	How Can Active Region Plasma Escape into the Solar Wind from Below a Closed Helmet Streamer?. <i>Solar Physics</i> , 2014, 289, 4151-4171.	1.0	23
134	Coronal Elemental Abundances in Solar Emerging Flux Regions. <i>Astrophysical Journal</i> , 2018, 856, 71.	1.6	23
135	20 Years of ACE Data: How Superposed Epoch Analyses Reveal Generic Features in Interplanetary CME Profiles. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028150.	0.8	23
136	INITIATION AND EARLY DEVELOPMENT OF THE 2008 APRIL 26 CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2011, 729, 107.	1.6	22
137	Evidence of Twisted Flux-Tube Emergence in Active Regions. <i>Solar Physics</i> , 2015, 290, 727-751.	1.0	22
138	Transient Inverse-FIP Plasma Composition Evolution within a Solar Flare. <i>Astrophysical Journal</i> , 2019, 875, 35.	1.6	22
139	The 3D Geometry of Active Region Upflows Deduced from Their Limb-to-Limb Evolution. <i>Solar Physics</i> , 2013, 283, 341-367.	1.0	21
140	DISTRIBUTION OF ELECTRIC CURRENTS IN SUNSPOTS FROM PHOTOSPHERE TO CORONA. <i>Astrophysical Journal</i> , 2014, 793, 15.	1.6	21
141	Sequential Eruptions Triggered by Flux Emergence: Observations and Modeling. <i>Astrophysical Journal</i> , 2018, 862, 117.	1.6	21
142	Investigating the observational signatures of magnetic cloud substructure. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	20
143	Vortex and Sink Flows in Eruptive Flares as a Model for Coronal Implosions. <i>Astrophysical Journal</i> , 2017, 837, 115.	1.6	20
144	Alfvénic Perturbations in a Sunspot Chromosphere Linked to Fractionated Plasma in the Corona. <i>Astrophysical Journal</i> , 2021, 907, 16.	1.6	20

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145	Initiation of CMEs: the role of magnetic twist. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 1437-1448.	0.6	19
146	Relationships between CME's and prominences. <i>Advances in Space Research</i> , 2002, 29, 1451-1460.	1.2	19
147	Model-independent large-scale magnetohydrodynamic quantities in magnetic clouds. <i>Advances in Space Research</i> , 2005, 35, 2172-2177.	1.2	18
148	Magnetic reconfiguration before the X 17 Solar flare of October 28 2003. <i>Advances in Space Research</i> , 2006, 37, 1313-1316.	1.2	18
149	The evolution of writhe in kink-unstable flux ropes and erupting filaments. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 064012.	0.9	18
150	How to improve the maps of magnetic helicity injection in active regions?. <i>Advances in Space Research</i> , 2007, 39, 1706-1714.	1.2	16
151	Structural characteristics of eruptive prominences. <i>Solar Physics</i> , 1992, 141, 289-301.	1.0	15
152	Decametric N Burst: A Consequence of the Interaction of Two Coronal Mass Ejections. <i>Solar Physics</i> , 2007, 240, 301-313.	1.0	15
153	Properties of Magnetic Tongues over a Solar Cycle. <i>Solar Physics</i> , 2016, 291, 1625-1646.	1.0	15
154	Weighted current sheets supported in normal and inverse configurations - A model for prominence observations. <i>Astrophysical Journal</i> , 1992, 387, 394.	1.6	15
155	Measurement of coronal magnetic twists during loop emergence of NOAA 8069. <i>Solar Physics</i> , 2001, 203, 289-308.	1.0	14
156	Apparent and Intrinsic Evolution of Active Region Upflows. <i>Solar Physics</i> , 2017, 292, 46.	1.0	14
157	Expanding and Contracting Coronal Loops as Evidence of Vortex Flows Induced by Solar Eruptions. <i>Astrophysical Journal</i> , 2017, 844, 54.	1.6	14
158	Comparing the Properties of ICME-Induced Forbush Decreases at Earth and Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027662.	0.8	14
159	Study of Three-dimensional Magnetic Structure and the Successive Eruptive Nature of Active Region 12371. <i>Astrophysical Journal</i> , 2018, 857, 90.	1.6	13
160	Exploring the biases of a new method based on minimum variance for interplanetary magnetic clouds. <i>Astronomy and Astrophysics</i> , 2018, 619, A139.	2.1	13
161	What is the role of magnetic null points in large flares?. <i>Advances in Space Research</i> , 2007, 39, 1840-1846.	1.2	12
162	Interaction of ICMEs with the Solar Wind. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	12

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163	Quantitative model for the generic 3D shape of ICMEs at 1 AU. <i>Astronomy and Astrophysics</i> , 2016, 595, A19.	2.1	12
164	Studying the Transfer of Magnetic Helicity in Solar Active Regions with the Connectivity-based Helicity Flux Density Method. <i>Astrophysical Journal</i> , 2018, 852, 141.	1.6	12
165	ON ASYMMETRY OF MAGNETIC HELICITY IN EMERGING ACTIVE REGIONS: HIGH-RESOLUTION OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 727, 28.	1.6	11
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