

# M L Khodachenko

## List of Publications by Year in Descending Order

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

141  
papers

4,550  
citations

37  
h-index

65  
g-index

150  
ext. papers

5,154  
ext. citations

3.9  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
141	The GAPS Programme at TNG. <i>Astronomy and Astrophysics</i> , <b>2022</b> , 658, A136	5.1	0
140	Global 3D Simulation of the Upper Atmosphere of HD189733b and Absorption in Metastable He I and Ly $\alpha$ Lines. <i>Astrophysical Journal</i> , <b>2022</b> , 927, 238	4.7	0
139	Transient particle acceleration by a dawn-dusk electric field in a current sheet. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 042902	2.1	
138	Empirically revealed properties of Rieger-type cycles of stellar activity. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 651, A28	5.1	0
137	Case study on the identification and classification of small-scale flow patterns in flaring active region. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 645, A52	5.1	0
136	The Atmospheric Wind of Hot Exoplanets and its Manifestations in Observations: from Energy Estimates to 3D MHD Models. <i>Astronomy Reports</i> , <b>2021</b> , 65, 8-25	1.1	0
135	Simulation of 10 830 $\lambda$ absorption with a 3D hydrodynamic model reveals the solar He abundance in upper atmosphere of WASP-107b. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2021</b> , 503, L23-L27	4.3	5
134	Revealing peculiar exoplanetary shadows from transit light curves. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 646, A136	5.1	0
133	The impact of intrinsic magnetic field on the absorption signatures of elements probing the upper atmosphere of HD209458b. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 3626-3637	4.3	2
132	Eigenspectra of solar active region long-period oscillations. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 653, A39	5.1	
131	Astro- and Geoinformatics Visually Guided Classification of Time Series Data <b>2020</b> , 267-282		1
130	Three-dimensional hydrodynamic simulations of the upper atmosphere of Men c: Comparison with Ly $\alpha$ transit observations. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 639, A109	5.1	11
129	A new class of discontinuous solar wind solutions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 1023-1034	4.3	3
128	Hydrogen Dominated Atmospheres on Terrestrial Mass Planets: Evidence, Origin and Evolution. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	12
127	Evolution of the Earth's Polar Outflow From Mid-Archean to Present. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027837	2.6	3
126	Global 3D hydrodynamic modeling of absorption in Ly $\alpha$ and He 10830 A lines at transits of GJ3470b. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> ,	4.3	6
125	Variability of transit light curves of Kepler objects of interest. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 638, A143	5.1	1

124	Implication of kinetic Alfvén waves to magnetic field turbulence spectra: Earth's magnetosheath. <i>Astrophysics and Space Science</i> , <b>2019</b> , 364, 1	1.6	5
123	Modelling atmospheric escape and Mg II near-ultraviolet absorption of the highly irradiated hot Jupiter WASP-12b. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 4208-4220	4.3	10
122	Comparative analysis of solar radio bursts before and during CME propagation. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 625, A63	5.1	2
121	Extreme hydrodynamic losses of Earth-like atmospheres in the habitable zones of very active stars. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 624, L10	5.1	39
120	Interaction of the Expanding Atmosphere with the Stellar Wind around Gliese 436b. <i>Solar System Research</i> , <b>2019</b> , 53, 138-145	0.8	3
119	Transit Lyman- $\alpha$ signatures of terrestrial planets in the habitable zones of M dwarfs. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A131	5.1	13
118	Space weathering on the Moon: Farside-nearside solar wind precipitation asymmetry. <i>Planetary and Space Science</i> , <b>2019</b> , 166, 9-22	2	10
117	Dusty phenomena in the vicinity of giant exoplanets. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 631, A152	5.1	4
116	3D Modeling of absorption by various species for hot jupiter HD209458b. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> ,	4.3	5
115	Global 3D Hydrodynamic Modeling of In-transit Ly $\alpha$ Absorption of GJ 436b. <i>Astrophysical Journal</i> , <b>2019</b> , 885, 67	4.7	28
114	Calculation of the Initial Magnetic Field for Mercury's Magnetosphere Hybrid Model. <i>Cosmic Research</i> , <b>2018</b> , 56, 108-114	0.6	
113	Time-scales of stellar rotational variability and starspot diagnostics. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2018</b> , 473, L84-L88	4.3	8
112	Evidence for Precursors of the Coronal Hole Jets in Solar Bright Points. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 855, L21	7.9	6
111	Partially Ionized Plasmas in Astrophysics. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	61
110	The LatHyS database for planetary plasma environment investigations: Overview and a case study of data/model comparisons. <i>Planetary and Space Science</i> , <b>2018</b> , 150, 13-21	2	7
109	Science data visualization in planetary and heliospheric contexts with 3DView. <i>Planetary and Space Science</i> , <b>2018</b> , 150, 111-130	2	15
108	Self-consistent description of the tangential-discontinuity-type current sheet, using the particle trajectory method and angular variables. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 092110	2.1	1
107	Timescales of starspot variability in slow rotators. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 613, A31	5.1	1

106	Modeling of Absorption by Heavy Minor Species for the Hot Jupiter HD 209458b. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 47	4.7	9
105	3D Aeronomy modelling of close-in exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 5315-5323	4.3	24
104	A Hydrodynamic Modelling of Atmospheric Escape and Absorption Line of WASP-12b. <i>Proceedings of the International Astronomical Union</i> , <b>2018</b> , 14, 301-303	0.1	
103	Starspot variability as an X-ray radiation proxy. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 1224-1233	4.3	2
102	The influence of kinetic effect on the MHD scalings of a thin current sheet. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 493-500	2.6	2
101	Long-period oscillations of active region patterns: least-squares mapping on second-order curves. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 597, A93	5.1	4
100	How expanded ionospheres of Hot Jupiters can prevent escape of radio emission generated by the cyclotron maser instability. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 3505-3517	4.3	41
99	Quasi-oscillatory dynamics observed in ascending phase of the flare on March 6, 2012. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 600, A67	5.1	2
98	Magma oceans and enhanced volcanism on TRAPPIST-1 planets due to induction heating. <i>Nature Astronomy</i> , <b>2017</b> , 1, 878-885	12.1	39
97	Statistical properties of coronal hole rotation rates: Are they linked to the solar interior?. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A134	5.1	14
96	Simulation of Mercury's magnetosheath with a combined hybrid-paraboloid model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8310-8326	2.6	3
95	Effect of stellar wind induced magnetic fields on planetary obstacles of non-magnetized hot Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 470, 4330-4336	4.3	32
94	Ly $\alpha$ Absorption at Transits of HD 209458b: A Comparative Study of Various Mechanisms Under Different Conditions. <i>Astrophysical Journal</i> , <b>2017</b> , 847, 126	4.7	29
93	DEEP MIXING IN STELLAR VARIABILITY: IMPROVED METHOD, STATISTICS, AND APPLICATIONS. <i>Astrophysical Journal</i> , <b>2016</b> , 826, 35	4.7	4
92	EUV-driven mass-loss of protoplanetary cores with hydrogen-dominated atmospheres: the influences of ionization and orbital distance. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 460, 1300-1309	4.3	59
91	TWO REGIMES OF INTERACTION OF A HOT JUPITER'S ESCAPING ATMOSPHERE WITH THE STELLAR WIND AND GENERATION OF ENERGIZED ATOMIC HYDROGEN CORONA. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 173	4.7	51
90	SHORT-PERIOD STELLAR ACTIVITY CYCLES WITH KEPLER PHOTOMETRY. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 109	4.7	30
89	A statistical survey of reconnection exhausts in the solar wind based on the Riemannian decay of current sheets. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 8194-8209	2.6	2

88	The energy-based scaling of a thin current sheet: Case study. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9602-9616	4.9	63
87	Signs of deep mixing in starspot variability. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 576, A67	5.1	7
86	ATMOSPHERE EXPANSION AND MASS LOSS OF CLOSE-ORBIT GIANT EXOPLANETS HEATED BY STELLAR XUV. II. EFFECTS OF PLANETARY MAGNETIC FIELD; STRUCTURING OF INNER MAGNETOSPHERE. <i>Astrophysical Journal</i> , <b>2015</b> , 813, 50	4.7	77
85	Investigation of scaling properties of a thin current sheet by means of particle trajectories study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1633-1645	2.6	6
84	Alfvén Radius: A Key Parameter for Astrophysical Magnetospheres. <i>Astrophysics and Space Science Library</i> , <b>2015</b> , 239-249	0.3	2
83	Magnetosphere Environment from Solar System Planets/Moons to Exoplanets. <i>Astrophysics and Space Science Library</i> , <b>2015</b> , 189-212	0.3	1
82	Stellar Activity and CMEs: Important Factors of Planetary Evolution. <i>Astrophysics and Space Science Library</i> , <b>2015</b> , 455-482	0.3	
81	Magnetic moment and plasma environment of HD 209458b as determined from Ly $\alpha$ observations. <i>Science</i> , <b>2014</b> , 346, 981-4	33.3	102
80	DYNAMICS OF CORONAL RAIN AND DESCENDING PLASMA BLOBS IN SOLAR PROMINENCES. I. FULLY IONIZED CASE. <i>Astrophysical Journal</i> , <b>2014</b> , 784, 21	4.7	28
79	Windsock memory CONDITIONED RAM (CO-RAM) pressure effect: Forced reconnection in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6273-6293	2.6	11
78	Stellar wind interaction and pick-up ion escape of the Kepler-11 Super-Earths. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 562, A116	5.1	57
77	RECONNECTION OUTFLOW GENERATED TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 797, L10	7.9	11
76	ATMOSPHERE EXPANSION AND MASS LOSS OF CLOSE-ORBIT GIANT EXOPLANETS HEATED BY STELLAR XUV. I. MODELING OF HYDRODYNAMIC ESCAPE OF UPPER ATMOSPHERIC MATERIAL. <i>Astrophysical Journal</i> , <b>2014</b> , 795, 132	4.7	74
75	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , <b>2014</b> , 38, 249-330	1.3	672
74	A search for flares and mass ejections on young late-type stars in the open cluster Blanco-1?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 443, 898-910	4.3	43
73	XUV-exposed, non-hydrostatic hydrogen-rich upper atmospheres of terrestrial planets. Part I: atmospheric expansion and thermal escape. <i>Astrobiology</i> , <b>2013</b> , 13, 1011-29	3.7	90
72	Solar Activity and Deep Convection Modeling. <i>Solar Physics</i> , <b>2013</b> , 282, 39-50	2.6	5
71	Stability of Earth-Like N <sub>2</sub> Atmospheres: Implications for Habitability. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2013</b> , 33-52	0.3	6

70	Probing the blow-off criteria of hydrogen-rich Super-Earths <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 430, 1247-1256	4.3	87
69	INFLATION OF A DIPOLE FIELD IN LABORATORY EXPERIMENTS: TOWARD AN UNDERSTANDING OF MAGNETODISK FORMATION IN THE MAGNETOSPHERE OF A HOT JUPITER. <i>Astrophysical Journal</i> , <b>2013</b> , 769, 28	4.7	9
68	XUV-exposed, non-hydrostatic hydrogen-rich upper atmospheres of terrestrial planets. Part II: hydrogen coronae and ion escape. <i>Astrobiology</i> , <b>2013</b> , 13, 1030-48	3.7	49
67	Torsional Alfvén waves in partially ionized solar plasma: effects of neutral helium and stratification. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 549, A113	5.1	37
66	Stellar CME activity and its possible influence on exoplanets' environments: Importance of magnetospheric protection. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 8, 335-346	0.1	3
65	Deep Convection and the Solar Chromosphere. <i>Solar Physics</i> , <b>2012</b> , 278, 285-298	2.6	7
64	Solar flares as proxy for the young Sun: satellite observed thermosphere response to an X17.2 flare of Earth's upper atmosphere. <i>Annales Geophysicae</i> , <b>2012</b> , 30, 1129-1141	2	16
63	Variability of solar/stellar activity and magnetic field and its influence on planetary atmosphere evolution. <i>Earth, Planets and Space</i> , <b>2012</b> , 64, 179-199	2.9	48
62	Magnetodisk-dominated magnetospheres of close orbit giant exoplanets. <i>EAS Publications Series</i> , <b>2012</b> , 58, 233-237	0.2	2
61	MAGNETOSPHERES OF HOT JUPITERS—THE IMPORTANCE OF MAGNETODISKS IN SHAPING A MAGNETOSPHERIC OBSTACLE. <i>Astrophysical Journal</i> , <b>2012</b> , 744, 70	4.7	58
60	Cut-off wavenumber of Alfvén waves in partially ionized plasmas of the solar atmosphere. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 544, A143	5.1	22
59	Accretion and Current Discs Controlled by Strong Magnetic Field. <i>International Journal of Astronomy and Astrophysics</i> , <b>2012</b> , 02, 81-96	0.7	5
58	Location of the Inner Edges of Astrophysical Discs Related to the Central Object. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2012</b> , 217-226	0.3	1
57	Rosby waves and polar spots in rapidly rotating stars: implications for stellar wind evolution. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 532, A139	5.1	21
56	The excitation of 5-min oscillations in the solar corona. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 529, A85	5.1	9
55	Exoplanet Upper Atmosphere Environment Characterization. <i>Proceedings of the International Astronomical Union</i> , <b>2011</b> , 7, 525-532	0.1	3
54	Magnetohydrodynamic waves in solar partially ionized plasmas: two-fluid approach. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 529, A82	5.1	92
53	Damping of Alfvén waves in solar partially ionized plasmas: effect of neutral helium in multi-fluid approach. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 534, A93	5.1	35

52	Could CoRoT-7b and Kepler-10b be remnants of evaporated gas or ice giants?. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 1472-1481	2	37
51	Pathways to Earth-like atmospheres. Extreme ultraviolet (EUV)-powered escape of hydrogen-rich protoatmospheres. <i>Origins of Life and Evolution of Biospheres</i> , <b>2011</b> , 41, 503-22	1.5	46
50	Supergiant Complexes of Solar Activity and Convection Zone. <i>Solar Physics</i> , <b>2011</b> , 270, 1-8	2.6	5
49	Hydrogen ENA-cloud observation and modeling as a tool to study star-exoplanet interaction. <i>Astrophysics and Space Science</i> , <b>2011</b> , 335, 9-23	1.6	19
48	UV transit observations of EUV-heated expanded thermospheres of Earth-like exoplanets around M-stars: testing atmosphere evolution scenarios. <i>Astrophysics and Space Science</i> , <b>2011</b> , 335, 39-50	1.6	23
47	Comet-like tail-formation of exospheres of hot rocky exoplanets: Possible implications for CoRoT-7b. <i>Icarus</i> , <b>2011</b> , 211, 1-9	3.8	55
46	Possible manifestation of large-scale transverse oscillations of coronal loops in solar microwave emission. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 525, A105	5.1	11
45	Search for indications of stellar mass ejections using FUV spectra. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 536, A62	5.1	30
44	UV transit observations of EUV-heated expanded thermospheres of Earth-like exoplanets around M-stars: testing atmosphere evolution scenarios <b>2011</b> , 39-50		
43	Hydrogen ENA-cloud observation and modeling as a tool to study star-exoplanet interaction <b>2011</b> , 9-23		
42	Propagation of a sausage soliton in the solar lower atmosphere observed by Hinode/SOT. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2010</b> , 404, L74-L78	4.3	28
41	OBSERVATION OF KINK INSTABILITY DURING SMALL B5.0 SOLAR FLARE ON 2007 JUNE 4. <i>Astrophysical Journal</i> , <b>2010</b> , 715, 292-299	4.7	85
40	Spectral line enhancements as signatures for stellar activity: AD Leonis as an example. <i>International Journal of Astrobiology</i> , <b>2010</b> , 9, 235-238	1.4	2
39	Geophysical and atmospheric evolution of habitable planets. <i>Astrobiology</i> , <b>2010</b> , 10, 45-68	3.7	41
38	Implications of stellar activity for exoplanetary atmospheres. <i>International Journal of Astrobiology</i> , <b>2010</b> , 9, 239-243	1.4	19
37	Acceleration of electrons in Titan's ionosphere. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		2
36	Exoplanet status report: Observation, characterization and evolution of exoplanets and their host stars. <i>Solar System Research</i> , <b>2010</b> , 44, 290-310	0.8	5
35	Determining the mass loss limit for close-in exoplanets: what can we learn from transit observations?. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 506, 399-410	5.1	120

34	Decametric observations of active M-dwarfs <b>2009</b> ,		3
33	Equivalent Electric Circuit Models of Coronal Magnetic Loops and Related Oscillatory Phenomena on the Sun. <i>Space Science Reviews</i> , <b>2009</b> , 149, 83-117	7.5	33
32	What makes a planet habitable?. <i>Astronomy and Astrophysics Review</i> , <b>2009</b> , 17, 181-249	28.8	235
31	Analytical configurations of a force-free magnetic cylinder in the solar wind. <i>Geomagnetism and Aeronomy</i> , <b>2009</b> , 49, 574-581	0.9	1
30	The sodium exosphere of Mercury: Comparison between observations during Mercury's transit and model results. <i>Icarus</i> , <b>2009</b> , 200, 1-11	3.8	68
29	Daily variations of auroral kilometric radiation observed by STEREO. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	5
28	Stellar activity and magnetic shielding. <i>Proceedings of the International Astronomical Union</i> , <b>2009</b> , 5, 385-394		2
27	The role of intrinsic magnetic fields in planetary evolution and habitability: the planetary protection aspect. <i>Proceedings of the International Astronomical Union</i> , <b>2008</b> , 4, 283-294	0.1	
26	Exoplanetary radio emission under different stellar wind conditions. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 618-630	2	79
25	Mass loss of Hot Jupiters—Implications for CoRoT discoveries. Part I: The importance of magnetospheric protection of a planet against ion loss caused by coronal mass ejections. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 631-642	2	49
24	Comparative studies of meteoroid-planet interaction in the inner solar system. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 2049-2062	2	10
23	Processes that Promote and Deplete the Exosphere of Mercury. <i>Space Science Reviews</i> , <b>2007</b> , 132, 433-503		109
22	Coronal mass ejection (CME) activity of low mass M stars as an important factor for the habitability of terrestrial exoplanets. II. CME-induced ion pick up of Earth-like exoplanets in close-in habitable zones. <i>Astrobiology</i> , <b>2007</b> , 7, 185-207	3.7	213
21	M stars as targets for terrestrial exoplanet searches and biosignature detection. <i>Astrobiology</i> , <b>2007</b> , 7, 85-166	3.7	271
20	Coronal mass ejection (CME) activity of low mass M stars as an important factor for the habitability of terrestrial exoplanets. I. CME impact on expected magnetospheres of Earth-like exoplanets in close-in habitable zones. <i>Astrobiology</i> , <b>2007</b> , 7, 167-84	3.7	179
19	Damping of oscillations by ion-neutral collisions in a prominence plasma. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 461, 731-739	5.1	72
18	On the mechanisms of MHD wave damping in the partially ionized solar plasmas. <i>Advances in Space Research</i> , <b>2006</b> , 37, 447-455	2.4	24
17	Reply to the Comment on the Paper On the formation of three types of e.m. elements in a current-carrying plasma with double flows— <i>Advances in Space Research</i> , <b>2006</b> , 38, 1898-1899	2.4	



16	On the formation of three types of e.m. elements in a current-carrying plasma with double flows. <i>Advances in Space Research</i> , <b>2006</b> , 37, 1295-1300	2.4	4
15	Microwave Diagnostics of Dynamic Processes and Oscillations in Groups of Solar Coronal Magnetic Loops. <i>Space Science Reviews</i> , <b>2006</b> , 122, 137-148	7.5	5
14	Solar plasma theoretical models for STEREO and Solar-B. <i>Advances in Space Research</i> , <b>2005</b> , 36, 1561-1571	14	7
13	Collisional dissipation of Alfvén waves in a partially ionised solar chromosphere. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 442, 1091-1098	5.1	81
12	Low-frequency modulations in the solar microwave radiation as a possible indicator of inductive interaction of coronal magnetic loops. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 433, 691-699	5.1	14
11	MHD effects triggered by beams of fast particles in magnetic tubes and their possible relation to plasma heating and dynamics during solar flares. <i>Astrophysics and Space Science</i> , <b>2004</b> , 289, 111-136	1.6	1
10	Collisional and viscous damping of MHD waves in partially ionized plasmas of the solar atmosphere. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 422, 1073-1084	5.1	96
9	Inductive electromagnetic effects in solar current-carrying magnetic loops. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 401, 721-732	5.1	11
8	Formation of Intensive Magnetic Flux Tubes in a Converging Flow of Partially Ionized Solar Photospheric Plasma. <i>Astrophysics and Space Science</i> , <b>2002</b> , 279, 389-410	1.6	32
7	On the electromagnetic fields generated by a slowly moving conducting body in a magnetized plasma. Possible applications for the Io-Jovian system, spacecraft, and plasma probes. <i>Radiophysics and Quantum Electronics</i> , <b>1998</b> , 41, 813-825	0.7	
6	Energy release in corona magnetic loops. <i>Radiophysics and Quantum Electronics</i> , <b>1997</b> , 40, 114-138	0.7	15
5	On the plasma dynamics in solar magnetic tubes. <i>Radiophysics and Quantum Electronics</i> , <b>1996</b> , 39, 36-52	0.7	1
4	Electromagnetic properties of hot collisionless plasma in magnetic reconnection regions. <i>Radiophysics and Quantum Electronics</i> , <b>1996</b> , 39, 91-99	0.7	
3	On the origin of soft x-ray and microwave sources of emission in solar magnetic loops. <i>Radiophysics and Quantum Electronics</i> , <b>1994</b> , 37, 543-552	0.7	
2	Dynamic regimes of prominence evolution. <i>Solar Physics</i> , <b>1992</b> , 139, 299-314	2.6	14
1	Impact of Stellar Activity on the Evolution of Planetary Atmospheres and Habitability	127-149	2