Yong-Jae Moon

List of Publications by Year
in descending order

139 papers	3,025 citations	172207 29 h-index	205818 48 g-index
140 all docs	140 docs citations	140 times ranked	2053 citing authors

#	Article	IF	Citations
1	Propagation of Interplanetary Coronal Mass Ejections: The Drag-Based Model. Solar Physics, 2013, 285, 295-315.	1.0	257
2	An Overview of Existing Algorithms for Resolving the 180Â° Ambiguity in Vector Magnetic Fields: Quantitative Tests with Synthetic Data. Solar Physics, 2006, 237, 267-296.	1.0	240
3	Active-Region Monitoring and Flare Forecasting â€" I. Data Processing and First Results. Solar Physics, 2002, 209, 171-183.	1.0	158
4	Forecast evaluation of the coronal mass ejection (CME) geoeffectiveness using halo CMEs from 1997 to 2003. Journal of Geophysical Research, 2005, 110, .	3.3	64
5	Solar farside magnetograms from deep learning analysis of STEREO/EUVI data. Nature Astronomy, 2019, 3, 397-400.	4.2	64
6	Low coronal observations of metric type II associated CMEs by MLSO coronameters. Astronomy and Astrophysics, 2008, 491, 873-882.	2.1	60
7	THE ROLE OF ERUPTING SIGMOID IN TRIGGERING A FLARE WITH PARALLEL AND LARGE-SCALE QUASI-CIRCULAR RIBBONS. Astrophysical Journal, 2015, 812, 50.	1.6	57
8	Application of the Deep Convolutional Neural Network to the Forecast of Solar Flare Occurrence Using Full-disk Solar Magnetograms. Astrophysical Journal, 2018, 869, 91.	1.6	55
9	A study of CMEÂand typeÂII shock kinematics based on coronal density measurement. Astronomy and Astrophysics, 2007, 461, 1121-1125.	2.1	54
10	Solar Flare Occurrence Rate and Probability in Terms of the Sunspot Classification Supplemented with Sunspot Area and Its Changes. Solar Physics, 2012, 281, 639-650.	1.0	54
11	Flaring time interval distribution and spatial correlation of major X-ray solar flares. Journal of Geophysical Research, 2001, 106, 29951-29961.	3.3	51
12	On the kinematic evolution of flare-associated cmes. Solar Physics, 2003, 215, 185-201.	1.0	49
13	THE SOURCE REGIONS OF SOLAR ENERGETIC PARTICLES DETECTED BY WIDELY SEPARATED SPACECRAFT. Astrophysical Journal, 2013, 779, 184.	1.6	47
14	A statistical comparison of interplanetary shock and CME propagation models. Journal of Geophysical Research, 2003, 108, .	3.3	46
15	MAGNETIC RECONNECTION DURING THE TWO-PHASE EVOLUTION OF A SOLAR ERUPTIVE FLARE. Astrophysical Journal, 2009, 706, 1438-1450.	1.6	46
16	Effect of Local Thermal Equilibrium Misbalance on Long-wavelength Slow Magnetoacoustic Waves. Astrophysical Journal, 2017, 849, 62.	1.6	40
17	RELATIONSHIP BETWEEN CME KINEMATICS AND FLARE STRENGTH. Journal of the Korean Astronomical Society, 2003, 36, 61-66.	1.5	39
18	Examination of type II origin with SOHO/LASCO observations. Journal of Geophysical Research, 2005, 110, .	3.3	37

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19	EFFECT OF A RADIATION COOLING AND HEATING FUNCTION ON STANDING LONGITUDINAL OSCILLATIONS IN CORONAL LOOPS. Astrophysical Journal, 2016, 824, 8.	1.6	37
20	A Study of Heliospheric Modulation and Periodicities of Galactic Cosmic Rays During Cycle 24. Solar Physics, 2016, 291, 581-602.	1.0	37
21	MAGNETIC FIELD STRENGTH IN THE UPPER SOLAR CORONA USING WHITE-LIGHT SHOCK STRUCTURES SURROUNDING CORONAL MASS EJECTIONS. Astrophysical Journal, 2012, 746, 118.	1.6	36
22	Short-term periodicities in interplanetary, geomagnetic and solar phenomena during solar cycle 24. Astrophysics and Space Science, 2015, 356, 7-18.	0.5	36
23	Prediction of the 1-AU arrival times of CME-associated interplanetary shocks: Evaluation of an empirical interplanetary shock propagation model. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	35
24	FORMATION AND ERUPTION OF A FLUX ROPE FROM THE SIGMOID ACTIVE REGION NOAA 11719 AND ASSOCIATED M6.5 FLARE: A MULTI-WAVELENGTH STUDY. Astrophysical Journal, 2017, 834, 42.	1.6	35
25	A revised shock time of arrival (STOA) model for interplanetary shock propagation: STOA-2. Geophysical Research Letters, 2002, 29, 28-1-28-4.	1.5	34
26	Properties of Slow Magnetoacoustic Oscillations of Solar Coronal Loops by Multi-instrumental Observations. Astrophysical Journal Letters, 2019, 874, L1.	3.0	34
27	Oneâ€Day Forecasting of Global TEC Using a Novel Deep Learning Model. Space Weather, 2021, 19, 2020SW002600.	1.3	32
28	STUDY OF SOLAR ENERGETIC PARTICLE ASSOCIATIONS WITH CORONAL EXTREME-ULTRAVIOLET WAVES. Astrophysical Journal, 2015, 808, 3.	1.6	31
29	Dependence of solar proton events on their associated activities: Coronal mass ejection parameters. Journal of Geophysical Research, 2012, 117, .	3.3	30
30	Propagation Characteristics of CMEs Associated with Magnetic Clouds and Ejecta. Solar Physics, 2013, 284, 77-88.	1.0	30
31	Repetitive substorms caused by AlfvÃ©nic waves of the interplanetary magnetic field during high-speed solar wind streams. Journal of Geophysical Research, 2006, 111, .	3.3	29
32	Comparison of neural network and support vector machine methods for <i>Kp</i> forecasting. Journal of Geophysical Research: Space Physics, 2013, 118, 5109-5117.	0.8	29
33	Determination of the AlfvÃ©n Speed and Plasma-beta Using the Seismology of Sunspot Umbra. Astrophysical Journal Letters, 2017, 837, L11.	3.0	29
34	Generation of Solar UV and EUV Images from SDO/HMI Magnetograms by Deep Learning. Astrophysical Journal Letters, 2019, 884, L23.	3.0	29
35	An empirical model for prediction of geomagnetic storms using initially observed CME parameters at the Sun. Journal of Geophysical Research, 2010, 115, .	3.3	27
36	Statistical Characteristics of CMEs and Flares Associated with Solar Type II Radio Bursts. Solar Physics, 2003, 217, 301-317.	1.0	26

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37	Statistical significance of association between whistlerâ€mode chorus enhancements and enhanced convection periods during highâ€speed streams. Journal of Geophysical Research, 2007, 112, .	3.3	26
38	Comparison of <i>Dst</i> forecast models for intense geomagnetic storms. Journal of Geophysical Research, 2012, 117, .	3.3	25
39	Hinode SP Vector Magnetogram of AR10930 and Its Cross-Comparison with MDI. Publication of the Astronomical Society of Japan, 2007, 59, S625-S630.	1.0	24
40	Onset of a Large Ejective Solar Eruption from a Typical Coronal-jet-base Field Configuration. Astrophysical Journal, 2017, 845, 26.	1.6	24
41	Generation of High-resolution Solar Pseudo-magnetograms from Ca ii K Images by Deep Learning. Astrophysical Journal Letters, 2020, 895, L16.	3.0	24
42	AN INTERPRETATION OF THE POSSIBLE MECHANISMS OF TWO GROUND-LEVEL ENHANCEMENT EVENTS. Astrophysical Journal, 2012, 758, 119.	1.6	23
43	Sausage oscillations in a plasma cylinder with a surface current. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 175, 49-55.	0.6	23
44	Solar Coronal Magnetic Field Extrapolation from Synchronic Data with AI-generated Farside. Astrophysical Journal Letters, 2020, 903, L25.	3.0	23
45	ESTIMATION OF SPICULE MAGNETIC FIELD USING OBSERVED MHD WAVES BY THE HINODE SOT. Journal of the Korean Astronomical Society, 2008, 41, 173-180.	1.5	23
46	Pi2 pulsations observed from the Polar satellite outside the plasmapause. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	22
47	Visual Explanation of a Deep Learning Solar Flare Forecast Model and Its Relationship to Physical Parameters. Astrophysical Journal, 2021, 910, 8.	1.6	22
48	COMPARISON BETWEEN 2D AND 3D PARAMETERS OF 306 FRONT-SIDE HALO CMEs FROM 2009 TO 2013. Astrophysical Journal, 2016, 821, 95.	1.6	21
49	Two-Dimensional Solar Wind Speeds from 6 to 26 Solar Radii in Solar Cycle 24 by Using Fourier Filtering. Physical Review Letters, 2018, 121, 075101.	2.9	21
50	Improvement of IRI Global TEC Maps by Deep Learning Based on Conditional Generative Adversarial Networks. Space Weather, 2020, 18, e2019SW002411.	1.3	20
51	Multiple Type II Solar Radio Bursts. Solar Physics, 2005, 232, 87-103.	1.0	19
52	Statistical Analysis of the Relationships among Coronal Holes, Corotating Interaction Regions, and Geomagnetic Storms. Solar Physics, 2009, 254, 311-323.	1.0	19
53	Dependence of solar proton events on their associated activities: Flare parameters. Journal of Geophysical Research, 2010, 115, .	3.3	19
54	Dependence of Geomagnetic Storms on Their Associated Halo CME Parameters. Solar Physics, 2014, 289, 2233-2245.	1.0	18

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55	Twoâ€step forecast of geomagnetic storm using coronal mass ejection and solar wind condition. Space Weather, 2014, 12, 246-256.	1.3	18
56	Study of multi-periodic coronal pulsations during an X-class solar flare. Advances in Space Research, 2015, 56, 2769-2778.	1.2	18
57	Heating of an Erupting Prominence Associated with a Solar Coronal Mass Ejection on 2012 January 27. Astrophysical Journal, 2017, 844, 3.	1.6	18
58	Type II Radio Bursts with High and Low Starting Frequencies. Solar Physics, 2009, 254, 297-310.	1.0	17
59	Are 3â€D coronal mass ejection parameters from singleâ€view observations consistent with multiview ones?. Journal of Geophysical Research: Space Physics, 2015, 120, 10,237.	0.8	17
60	SUPRATHERMAL SOLAR WIND ELECTRONS AND LANGMUIR TURBULENCE. Astrophysical Journal, 2016, 828, 60.	1.6	17
61	Interplanetary Coronal Mass Ejections During Solar Cycles 23 and 24: Sunâ€"Earth Propagation Characteristics and Consequences at the Near-Earth Region. Solar Physics, 2019, 294, 1.	1.0	16
62	QUASI-PERIODIC OSCILLATIONS IN LASCO CORONAL MASS EJECTION SPEEDS. Astrophysical Journal, 2010, 708, 450-455.	1.6	15
63	Statistical comparison of interplanetary conditions causing intense geomagnetic storms (Dst â‰ â^'100) Tj ETQq1 1 0.784314 rgBT /O	3.3	15
64	Empirical Relationship Between CME Parameters and Geo-effectiveness of Halo CMEs in the Rising Phase of Solar Cycle 24 (2011â€‰â€"â€‰2013). Solar Physics, 2015, 290, 1417-1427.	1.0	15
65	Development of Daily Maximum Flare-Flux Forecast Models for Strong Solar Flares. Solar Physics, 2016, 291, 897-909.	1.0	15
66	Coronal mass ejection geoeffectiveness depending on field orientation and interplanetary coronal mass ejection classification. Journal of Geophysical Research, 2006, 111, .	3.3	14
67	Comparison of Cone Model Parameters for Halo Coronal Mass Ejections. Solar Physics, 2013, 288, 313-329.	1.0	14
68	De-noising SDO/HMI Solar Magnetograms by Image Translation Method Based on Deep Learning. Astrophysical Journal Letters, 2020, 891, L4.	3.0	14
69	ON THE POSSIBLE MECHANISMS OF TWO GROUND-LEVEL ENHANCEMENT EVENTS. Astrophysical Journal, 2011, 743, 190.	1.6	13
70	What flare and CME parameters control the occurrence of solar proton events?. Journal of Geophysical Research: Space Physics, 2014, 119, 9456-9463.	0.8	13
71	Relationships Between Interplanetary Coronal Mass Ejection Characteristics and Geoeffectiveness in the Rising Phase of Solar Cycles 23 and 24. Solar Physics, 2016, 291, 1547-1560.	1.0	13
72	Quasi-periodic pulsations in a solar flare with an unusual phase shift. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5499-5507.	1.6	13

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73	Super-resolution of SDO/HMI Magnetograms Using Novel Deep Learning Methods. Astrophysical Journal Letters, 2020, 897, L32.	3.0	13
74	REVISED MODEL OF THE STEADY-STATE SOLAR WIND HALO ELECTRON VELOCITY DISTRIBUTION FUNCTION. Astrophysical Journal, 2016, 826, 204.	1.6	12
75	Forecast of Major Solar X-Ray Flare Flux Profiles Using Novel Deep Learning Models. Astrophysical Journal Letters, 2020, 890, L5.	3.0	12
76	ARE THE FAINT STRUCTURES AHEAD OF SOLAR CORONAL MASS EJECTIONS REAL SIGNATURES OF DRIVEN SHOCKS?. Astrophysical Journal Letters, 2014, 796, L16.	3.0	11
77	RADIAL AND AZIMUTHAL OSCILLATIONS OF HALO CORONAL MASS EJECTIONS IN THE SUN. Astrophysical Journal Letters, 2015, 803, L7.	3.0	11
78	INTERACTION OF TWO FILAMENT CHANNELS OF DIFFERENT CHIRALITIES. Astrophysical Journal, 2016, 825, 123.	1.6	11
79	Nonequilibrium Ionization Effects on Solar EUV and X-Ray Imaging Observations. Astrophysical Journal, 2019, 879, 111.	1.6	11
80	Development of a Full Ice-cream Cone Model for Halo Coronal Mass Ejections. Astrophysical Journal, 2017, 839, 82.	1.6	10
81	On the Relation between Flare and CME during GLE-SEP and Non-GLE-SEP Events. Astrophysical Journal, 2019, 883, 91.	1.6	10
82	Onset Mechanism of M6.5 Solar Flare Observed in Active Region 12371. Astrophysical Journal, 2019, 887, 263.	1.6	10
83	An empirical relationship between coronal mass ejection initial speed and solar wind dynamic pressure. Journal of Geophysical Research, 2010, 115, .	3.3	9
84	Solar and interplanetary parameters of CMEs with and without type II radio bursts. Advances in Space Research, 2012, 50, 516-525.	1.2	9
85	Forecast of solar proton flux profiles for wellâ€connected events. Journal of Geophysical Research: Space Physics, 2014, 119, 9383-9394.	0.8	8
86	Pi2 pulsations in a small and strongly asymmetric plasmasphere. Journal of Geophysical Research, 2005, 110, .	3.3	7
87	Reply to comment by N. Gopalswamy and H. Xie on â€œPrediction of the 1â€AU arrival times of CMEâ€associated interplanetary shocks: Evaluation of an empirical interplanetary shock propagation modelâ€. Journal of Geophysical Research, 2008, 113, .	3.3	7
88	Radial Evolution of Well-Observed Slow CMEs inÂtheÂDistance Range 2â€‰â€“â€‰30 R âŠ™. Solar Physics, 2009, 257, 351-361.	1.0	7
89	MASS AND ENERGY OF ERUPTING SOLAR PLASMA OBSERVED WITH THE X-RAY TELESCOPE ON<i>HINODE</i>. Astrophysical Journal, 2015, 798, 106.	1.6	7
90	Forecast of a Daily Halo CME Occurrence Probability Depending on Class and Area Change of the Associated Sunspot. Solar Physics, 2015, 290, 1661-1669.	1.0	7

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91	Application of decisionâ€making to a solar flare forecast in the costâ€loss ratio situation. Space Weather, 2017, 15, 704-712.	1.3	7
92	Which Bow Shock Theory, Gasdynamic or Magnetohydrodynamic, Better Explains CME Stand-off Distance Ratios from LASCO-C2 Observations ?. Astrophysical Journal, 2017, 838, 70.	1.6	7
93	Properties and relationship between solar eruptive flares and Coronal Mass Ejections during rising phase of Solar Cycles 23 and 24. Advances in Space Research, 2018, 61, 540-551.	1.2	7
94	Flare Productivity of Major Flaring Solar Active Regions: A Time-Series Study of Photospheric Magnetic Properties. Solar Physics, 2018, 293, 1.	1.0	7
95	Parametric Study of ICME Properties Related to Space Weather Disturbances via a Series of Three-Dimensional MHD Simulations. Solar Physics, 2019, 294, 1.	1.0	7
96	Comparison of SOHO UVCS and MLSO MK4 coronameter densities. Astronomy and Astrophysics, 2008, 486, 1009-1013.	2.1	7
97	Accelerating and Supersonic Density Fluctuations in Coronal Hole Plumes: Signature of Nascent Solar Winds. Astrophysical Journal Letters, 2020, 900, L19.	3.0	7
98	APPLICATION OF SUPPORT VECTOR MACHINE TO THE PREDICTION OF GEO-EFFECTIVE HALO CMES. Journal of the Korean Astronomical Society, 2012, 45, 31-38.	1.5	7
99	Correlation between CME and Flare Parameters (with and without Type II Bursts). Solar Physics, 2011, 270, 273-284.	1.0	6
100	A statistical study on the stand-off distances of interplanetary coronal mass ejections. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 105-106, 181-190.	0.6	6
101	AN INTERPRETATION OF GLE71 CONCURRENT CME-DRIVEN SHOCK WAVE. Astrophysical Journal, Supplement Series, 2014, 213, 24.	3.0	6
102	Comparison of interplanetary CME arrival times and solar wind parameters based on the WSAâ€ENLIL model with three cone types and observations. Journal of Geophysical Research: Space Physics, 2014, 119, 7120-7127.	0.8	6
103	Coronal electron density distributions estimated from CMEs, DH type II radio bursts, and polarized brightness measurements. Journal of Geophysical Research: Space Physics, 2016, 121, 2853-2865.	0.8	6
104	Two Distinct Types of CME-flare Relationships Based on SOHO and STEREO Observations. Astrophysical Journal, 2017, 845, 169.	1.6	6
105	Generation of Modern Satellite Data from Galileo Sunspot Drawings in 1612 by Deep Learning. Astrophysical Journal, 2021, 907, 118.	1.6	6
106	Selection of Three (Extreme)Ultraviolet Channels for Solar Satellite Missions by Deep Learning. Astrophysical Journal Letters, 2021, 915, L31.	3.0	6
107	A New Type of Jet in a Polar Limb of the Solar Coronal Hole. Astrophysical Journal Letters, 2019, 884, L38.	3.0	5
108	Relationships between Interplanetary Coronal Mass Ejection Characteristics and Geoeffectiveness in the Declining Phase of Solar Cycles 23 and 24. Solar Physics, 2020, 295, 1.	1.0	5

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109	Occurrence Rate of Radio-Loud and Halo CMEs in Solar Cycle 25: Prediction Using their Correlation with the Sunspot Number. Solar Physics, 2021, 296, 1.	1.0	5
110	X-ray plasma ejections associated with coronal typeÂII shocks. Astronomy and Astrophysics, 2006, 458, 653-659.	2.1	5
111	Prominence oscillations activated by an EUV wave. Advances in Space Research, 2022, 70, 1592-1600.	1.2	5
112	DEPENDENCE OF OCCURRENCE RATES OF SOLAR FLARES AND CORONAL MASS EJECTIONS ON THE SOLAR CYCLE PHASE AND THE IMPORTANCE OF LARGE-SCALE CONNECTIVITY. Astrophysical Journal, 2016, 831, 131.	1.6	4
113	Three-minute Sunspot Oscillations Driven by Magnetic Reconnection in a Light Bridge. Astrophysical Journal Letters, 2017, 850, L33.	3.0	4
114	Ensemble Forecasting of Major Solar Flares with Short-, Mid-, and Long-term Active Region Properties. Astrophysical Journal, 2019, 885, 35.	1.6	4
115	Higher Radial Harmonics of Sausage Oscillations in Coronal Loops. Astrophysical Journal, 2020, 893, 62.	1.6	4
116	Generation of He i 1083 nm Images from SDO AIA Images by Deep Learning. Astrophysical Journal, 2021, 920, 101.	1.6	4
117	Investigation of CME dynamics in the LASCO field of view. Astronomy and Astrophysics, 2008, 484, 511-516.	2.1	3
118	Observational test of empirical magnetopause location models using geosynchronous satellite data. Journal of Geophysical Research: Space Physics, 2016, 121, 10,994.	0.8	3
119	Dependence of the Peak Fluxes of Solar Energetic Particles on CME 3D Parameters from STEREO and SOHO. Astrophysical Journal, 2017, 844, 17.	1.6	3
120	Reply to: Reliability of AI-generated magnetograms from only EUV images. Nature Astronomy, 2021, 5, 111-112.	4.2	3
121	Fine Structures of an EUV Wave Event from Multi-viewpoint Observations. Astrophysical Journal, 2021, 919, 9.	1.6	3
122	New extrapolation method for coronal mass ejection onset time estimation. Journal of Geophysical Research, 2005, 110, .	3.3	2
123	SMALL-SCALE SOLAR WIND TURBULENCE DUE TO NONLINEAR ALFVÃ‰N WAVES. Astrophysical Journal, 2015, 812, 69.	1.6	2
124	Numerical study of density cavitations by inertial AlfvÃ©n waves. Astrophysics and Space Science, 2015, 358, 1.	0.5	2
125	Three-dimensional Oscillations of 21 Halo Coronal Mass Ejections Using Multi-spacecraft Data. Astrophysical Journal, 2018, 868, 18.	1.6	2
126	Seismological Determination of the AlfvÃ©n Speed and Plasma Beta in Solar Photospheric Bright Points. Astrophysical Journal Letters, 2019, 871, L14.	3.0	2

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127	Time Series Analysis of Photospheric Magnetic Parameters of Flare-Quiet Versus Flaring Active Regions: Scaling Properties of Fluctuations. Solar Physics, 2020, 295, 1.	1.0	2
128	A New Method to Estimate Halo CME Mass Using Synthetic CMEs Based on a Full Ice Cream Cone Model. Astrophysical Journal, 2021, 906, 46.	1.6	2
129	Application of NASA core Flight System to Telescope Control Software for 2017 Total Solar Eclipse Observation. Publications of the Astronomical Society of the Pacific, 2022, 134, 034504.	1.0	2
130	Active region and flare ribbon properties associated with X-class flares and CMEs of solar cycle 24. Astrophysics and Space Science, 2022, 367, 1.	0.5	2
131	Slow Magnetoacoustic Oscillations in Stellar Coronal Loops. Astrophysical Journal, 2022, 931, 63.	1.6	2
132	Determination of coronal magnetic fields from 10 to 26R âŠ™ using the density compression ratios of CME-driven shocks. Astrophysics and Space Science, 2014, 351, 67-73.	0.5	1
133	Arrival time of solar eruptive CMEs associated with ICMEs of magnetic cloud and ejecta. Astrophysics and Space Science, 2015, 357, 1.	0.5	1
134	FORECAST OF SOLAR PROTON EVENTS WITH NOAA SCALES BASED ON SOLAR X-RAY FLARE DATA USING NEURAL NETWORK. Journal of the Korean Astronomical Society, 2014, 47, 209-214.	1.5	1
135	Inference of magnetic field during the Dalton minimum: Case study with recorded sunspot areas. Publication of the Astronomical Society of Japan, 2022, 74, 767-776.	1.0	1
136	DENSITY PERTURBATION BY ALFVÃ‰N WAVES IN MAGNETO-PLASMA. Astrophysical Journal, 2016, 833, 280.	1.6	0
137	Solar and interplanetary activities of isolated and non-isolated coronal mass ejections. Indian Journal of Physics, 2017, 91, 711-720.	0.9	0
138	A two-fluid modeling of kinetic AlfvÃ©n wave turbulence. Astrophysics and Space Science, 2018, 363, 1.	0.5	0
139	Distinction in the Interplanetary Characteristics of Accelerated and Decelerated CMEs/Shocks. Earth, Moon and Planets, 2019, 122, 73-82.	0.3	0