

# Abhishek K Srivastava

## List of Publications by Year in descending order

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104  
papers

2,152  
citations

218677

26  
h-index

289244

40  
g-index

107  
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107  
docs citations

107  
times ranked

1294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronal Heating by MHD Waves. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	127
2	PERIODIC OSCILLATIONS IN THE INTRA-DAY OPTICAL LIGHT CURVES OF THE BLAZAR S5 0716+714. <i>Astrophysical Journal</i> , 2009, 690, 216-223.	4.5	103
3	OBSERVATION OF KINK INSTABILITY DURING SMALL B5.0 SOLAR FLARE ON 2007 JUNE 4. <i>Astrophysical Journal</i> , 2010, 715, 292-299.	4.5	97
4	Quasi-Periodic Pulsations in Solar and Stellar Flares: A Review of Underpinning Physical Mechanisms and Their Predicted Observational Signatures. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	81
5	ON THE RELATIONSHIP BETWEEN A HOT-CHANNEL-LIKE SOLAR MAGNETIC FLUX ROPE AND ITS EMBEDDED PROMINENCE. <i>Astrophysical Journal Letters</i> , 2014, 789, L35.	8.3	74
6	Observation of multiple sausage oscillations in cool post-flare loop. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1899-1903.	4.4	71
7	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). <i>Solar Physics</i> , 2021, 296, 1.	2.5	65
8	Slow-Mode Magnetoacoustic Waves in Coronal Loops. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	62
9	CONFINED PARTIAL FILAMENT ERUPTION AND ITS REFORMATION WITHIN A STABLE MAGNETIC FLUX ROPE. <i>Astrophysical Journal</i> , 2014, 787, 11.	4.5	52
10	Numerical simulations of solar macrospicules. <i>Astronomy and Astrophysics</i> , 2011, 535, A58.	5.1	47
11	OBSERVATIONS OF MULTIPLE SURGES ASSOCIATED WITH MAGNETIC ACTIVITIES IN AR 10484 ON 2003 OCTOBER 25. <i>Astrophysical Journal</i> , 2012, 752, 70.	4.5	37
12	MAGNETOHYDRODYNAMIC SEISMOLOGY OF A CORONAL LOOP SYSTEM BY THE FIRST TWO MODES OF STANDING KINK WAVES. <i>Astrophysical Journal</i> , 2015, 799, 151.	4.5	37
13	<i>SDO</i>/AIA OBSERVATIONS OF A PARTIALLY ERUPTING PROMINENCE. <i>Astrophysical Journal</i> , 2013, 778, 142.	4.5	36
14	Solar Magnetic Flux Ropes. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 157-184.	1.0	36
15	Evidence for wave harmonics in cool loops. <i>Astronomy and Astrophysics</i> , 2007, 473, L13-L16.	5.1	36
16	Blowout jets and impulsive eruptive flares in a bald-patch topology. <i>Astronomy and Astrophysics</i> , 2017, 598, A41.	5.1	34
17	OBSERVATIONS OF X-RAY OSCILLATIONS IN $\hat{1}3/4$ BOO: EVIDENCE OF A FAST-KINK MODE IN THE STELLAR LOOPS. <i>Astrophysical Journal</i> , 2009, 697, L153-L157.	4.5	32
18	ORIGIN OF MACROSPICULE AND JET IN POLAR CORONA BY A SMALL-SCALE KINKED FLUX TUBE. <i>Astrophysical Journal Letters</i> , 2013, 770, L3.	8.3	32

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19	Observations of quasi-periodic phenomena associated with a large blowout solar jet. <i>Astronomy and Astrophysics</i> , 2012, 542, A70.	5.1	30
20	X6.9-CLASS FLARE-INDUCED VERTICAL KINK OSCILLATIONS IN A LARGE-SCALE PLASMA CURTAIN AS OBSERVED BY THE SOLAR DYNAMICS OBSERVATORY/ATMOSPHERIC IMAGING ASSEMBLY. <i>Astrophysical Journal</i> , 2013, 777, 17.	4.5	30
21	Stellar flare oscillations: evidence for oscillatory reconnection and evolution of MHD modes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2842-2851.	4.4	30
22	Intensity oscillations observed with Hinode near the south pole of the Sun: leakage of low frequency magneto-acoustic waves into the solar corona. <i>Astronomy and Astrophysics</i> , 2008, 481, L95-L98.	5.1	29
23	THE KINEMATICS AND PLASMA PROPERTIES OF A SOLAR SURGE TRIGGERED BY CHROMOSPHERIC ACTIVITY IN AR11271. <i>Astrophysical Journal</i> , 2013, 763, 24.	4.5	29
24	Vertical propagation of acoustic waves in the solar internetwork as observed by IRIS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 5512-5521.	4.4	29
25	On the Observations of Rapid Forced Reconnection in the Solar Corona. <i>Astrophysical Journal</i> , 2019, 887, 137.	4.5	29
26	A STUDY OF A FAILED CORONAL MASS EJECTION CORE ASSOCIATED WITH AN ASYMMETRIC FILAMENT ERUPTION. <i>Astrophysical Journal</i> , 2013, 771, 65.	4.5	28
27	PECULIAR STATIONARY EUV WAVE FRONTS IN THE ERUPTION ON 2011 MAY 11. <i>Astrophysical Journal</i> , 2016, 822, 106.	4.5	27
28	Formation of a rotating jet during the filament eruption on 2013 April 10–11. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1117-1129.	4.4	26
29	Can a Fast-Mode EUV Wave Generate a Stationary Front?. <i>Solar Physics</i> , 2016, 291, 3195-3206.	2.5	26
30	EVIDENCE OF SOLAR FLARE TRIGGERING DUE TO LOOP-LOOP INTERACTION CAUSED BY FOOTPOINT SHEAR MOTION. <i>Astrophysical Journal</i> , 2010, 723, 1651-1664.	4.5	25
31	Multiwavelength Study of the M8.9/3B Solar Flare from NOAA 10960. <i>Solar Physics</i> , 2010, 266, 39-58.	2.5	25
32	Chromospheric Heating by Magnetohydrodynamic Waves and Instabilities. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029097.	2.4	25
33	Observations of a pulse-driven cool polar jet by SDO/AIA. <i>Astronomy and Astrophysics</i> , 2011, 534, A62.	5.1	24
34	On the Propagation and Dissipation of Alfvén Waves in Coronal Holes. <i>Solar Physics</i> , 2006, 237, 143-152.	2.5	22
35	Diagnostics of a Coronal Hole and the Adjacent Quiet Sun by The Hinode/EUV Imaging Spectrometer (EIS). <i>Solar Physics</i> , 2015, 290, 2889-2908.	2.5	22
36	Magnetic swirls and associated fast magnetoacoustic kink waves in a solar chromospheric flux tube. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 77-87.	4.4	22

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37	Role of Compressive Viscosity and Thermal Conductivity on the Damping of Slow Waves in Coronal Loops with and Without Heatingâ€“Cooling Imbalance. <i>Solar Physics</i> , 2021, 296, 1.	2.5	22
38	Pulse-driven non-linear Alfvén waves and their role in the spectral line broadening. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 40-49.	4.4	21
39	Torsional Alfvén waves in solar magnetic flux tubes of axial symmetry. <i>Astronomy and Astrophysics</i> , 2015, 577, A126.	5.1	21
40	Rotating network jets in the quiet Sun as observed by IRIS. <i>Astronomy and Astrophysics</i> , 2018, 616, A99.	5.1	21
41	EVIDENCE OF MULTIPLE SLOW ACOUSTIC OSCILLATIONS IN THE STELLAR FLARING LOOPS OF PROXIMA CENTAURI. <i>Astrophysical Journal Letters</i> , 2013, 778, L28.	8.3	19
42	Evolution of Magnetic Rayleighâ€“Taylor Instability into the Outer Solar Corona and Low Interplanetary Space. <i>Astrophysical Journal</i> , 2018, 856, 86.	4.5	19
43	Two-fluid Numerical Simulations of the Origin of the Fast Solar Wind. <i>Astrophysical Journal</i> , 2019, 884, 127.	4.5	18
44	Observation of intensity oscillations above X-ray bright points from the Hinode/XRT: signature of magnetohydrodynamic oscillations in the solar corona. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1419-1425.	4.4	17
45	OBSERVATIONAL EVIDENCE OF SAUSAGE-PINCH INSTABILITY IN SOLAR CORONA BY <i>SDO</i> /AIA. <i>Astrophysical Journal Letters</i> , 2013, 765, L42.	8.3	17
46	Kelvinâ€“Helmholtz instability of magnetohydrodynamic waves propagating on solar surges. <i>Astrophysics and Space Science</i> , 2015, 356, 231-240.	1.4	17
47	OBSERVATIONAL SIGNATURES OF THE CORONAL KINK INSTABILITY WITH THERMAL CONDUCTION. <i>Astrophysical Journal</i> , 2012, 745, 53.	4.5	16
48	Simultaneous Longitudinal and Transverse Oscillations in an Active-Region Filament. <i>Solar Physics</i> , 2016, 291, 3303-3315.	2.5	16
49	Kelvinâ€“Helmholtz instability in an active region jet observed with Hinode. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	16
50	Active Longitude and Coronal Mass Ejection Occurrences. <i>Astrophysical Journal</i> , 2017, 838, 18.	4.5	16
51	Effect of Thermal Conductivity, Compressive Viscosity and Radiative Cooling on the Phase Shift of Propagating Slow Waves with and Without Heatingâ€“Cooling Imbalance. <i>Solar Physics</i> , 2021, 296, 1.	2.5	16
52	Triggering The Birth of New Cycleâ€™s Sunspots by Solar Tsunami. <i>Scientific Reports</i> , 2019, 9, 2035.	3.3	15
53	Multiwavelength diagnostics of the precursor and main phases of an M1.8 flare on 2011 April 22. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 2249-2262.	4.4	14
54	Transverse Oscillations in a Coronal Loop Triggered by a Jet. <i>Solar Physics</i> , 2016, 291, 3269-3288.	2.5	14

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55	The Evolution of Magnetic Rayleigh-Taylor Unstable Plumes and Hybrid KH-RT Instability into a Loop-like Eruptive Prominence. <i>Astrophysical Journal</i> , 2019, 874, 57.	4.5	13
56	Linkage of Geoeffective Stealth CMEs Associated with the Eruption of Coronal Plasma Channel and Jet-Like Structure. <i>Solar Physics</i> , 2019, 294, 1.	2.5	13
57	Quasi-periodic pulsations in a solar flare with an unusual phase shift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5499-5507.	4.4	13
58	Propagation of waves above a plage as observed by IRIS and SDO. <i>Astronomy and Astrophysics</i> , 2020, 634, A63.	5.1	13
59	Spectroscopic observations and modelling of impulsive Alfvén waves along a polar coronal jet. <i>Astronomy and Astrophysics</i> , 2015, 581, A131.	5.1	13
60	MHD Seismology of a loop-like filament tube by observed kink waves. <i>Research in Astronomy and Astrophysics</i> , 2015, 15, 1713-1724.	1.7	12
61	Deflection of Coronal Rays by Remote CMEs: Shock-Wave or Magnetic Pressure?. <i>Solar Physics</i> , 2010, 266, 123-134.	2.5	10
62	Observations of intensity oscillations in a prominence-like cool loop system as observed by SDO/AIA: evidence of multiple harmonics of fast magnetoacoustic waves. <i>Astrophysics and Space Science</i> , 2013, 345, 25-32.	1.4	10
63	Three-dimensional numerical simulation of magnetohydrodynamic-gravity waves and vortices in the solar atmosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1268-1277.	4.4	10
64	FAST MAGNETIC TWISTER AND PLASMA PERTURBATIONS IN A THREE-DIMENSIONAL CORONAL ARCADE. <i>Astrophysical Journal</i> , 2014, 788, 8.	4.5	10
65	Twin CME Launched by a Blowout Jet Originated from the Eruption of a Quiet-Sun Mini-filament. <i>Solar Physics</i> , 2019, 294, 1.	2.5	10
66	On modelling the kinematics and evolutionary properties of pressure-pulse-driven impulsive solar jets. <i>Annales Geophysicae</i> , 2019, 37, 891-902.	1.6	9
67	Observations from Hinode/EIS of intensity oscillations above a bright point: signature of the leakage of acoustic oscillations in the inner corona. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	4.4	8
68	Numerical Simulations of Magnetoacoustic-Gravity Waves in the Solar Atmosphere. <i>Solar Physics</i> , 2013, 283, 383-399.	2.5	8
69	On Thermal-Pulse-Driven Plasma Flows in Coronal Funnels as Observed by the Hinode/EUV Imaging Spectrometer (EIS). <i>Solar Physics</i> , 2014, 289, 4501-4515.	2.5	8
70	Three-dimensional MHD modeling of vertical kink oscillations in an active region plasma curtain. <i>Astronomy and Astrophysics</i> , 2015, 582, A75.	5.1	8
71	Kinematics and Energetics of the EUV Waves on 11 April 2013. <i>Solar Physics</i> , 2019, 294, 1.	2.5	8
72	CME Productive and Non-productive Recurring Jets Near an Active Region AR11176. <i>Solar Physics</i> , 2020, 295, 1.	2.5	8

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73	Oblique propagation and dissipation of Alfvén waves in coronal holes. <i>Journal of Astrophysics and Astronomy</i> , 2007, 28, 1-7.	1.0	7
74	NUMERICAL SIMULATIONS OF IMPULSIVELY GENERATED ALFVÉN WAVES IN SOLAR MAGNETIC ARCADES. <i>Astrophysical Journal</i> , 2014, 793, 43.	4.5	7
75	2D MHD AND 1D HD MODELS OF A SOLAR FLARE—A COMPREHENSIVE COMPARISON OF THE RESULTS. <i>Astrophysical Journal</i> , 2015, 813, 70.	4.5	7
76	Signature of Extended Solar Cycles as Detected from Ca ii K Synoptic Maps of Kodaikanal and Mount Wilson Observatory. <i>Astrophysical Journal Letters</i> , 2019, 874, L4.	8.3	7
77	Velocity Response of the Observed Explosive Events in the Lower Solar Atmosphere. I. Formation of the Flowing Cool-loop System. <i>Astrophysical Journal</i> , 2020, 894, 155.	4.5	7
78	OBSERVATIONS OF POST-FLARE PLASMA DYNAMICS DURING AN M1.0 FLARE IN AR11093 BY THE SOLAR DYNAMICS OBSERVATORY/ATMOSPHERIC IMAGING ASSEMBLY. <i>Astrophysical Journal</i> , 2012, 744, 173.	4.5	6
79	New analytical and numerical models of a solar coronal loop. <i>Astronomy and Astrophysics</i> , 2015, 576, A22.	5.1	6
80	Plasma Flows in the Cool Loop Systems. <i>Astrophysical Journal</i> , 2019, 874, 56.	4.5	6
81	Large-Scale Vortex Motion and Multiple Plasmoid Ejection Due to Twisting Prominence Threads and Associated Reconnection. <i>Solar Physics</i> , 2020, 295, 1.	2.5	6
82	Multiwavelength Observations of Supersonic Plasma Blob Triggered by Reconnection-Generated Velocity Pulse in AR10808. <i>Solar Physics</i> , 2012, 281, 729-747.	2.5	5
83	MULTI-SHELL MAGNETIC TWISTERS AS A NEW MECHANISM FOR CORONAL HEATING AND SOLAR WIND ACCELERATION. <i>Astrophysical Journal</i> , 2015, 808, 5.	4.5	5
84	Inference of magnetic field in the coronal streamer invoking kink wave motions generated by multiple EUV waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1409-1415.	4.4	5
85	The Extended Solar Cycle: Muddying the Waters of Solar/Stellar Dynamo Modeling or Providing Crucial Observational Constraints?. <i>Frontiers in Astronomy and Space Sciences</i> , 2018, 5, .	2.8	5
86	Numerical simulations of macrospicule jets under energy imbalance conditions in the solar atmosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 50-64.	4.4	5
87	Crossing Filaments. <i>Solar Physics</i> , 2011, 270, 151-164.	2.5	4
88	Impulsively Generated Linear and Non-Linear Alfvén Waves in the Coronal Funnels. <i>Acta Physica Polonica A</i> , 2014, 125, 158-164.	0.5	3
89	On the Asymmetric Longitudinal Oscillations of a Pikelner's Model Prominence. <i>Solar Physics</i> , 2016, 291, 429-444.	2.5	3
90	Origin of impulsive plasma outflows due to magnetoacoustic shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2449-2456.	4.4	3

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91	Modeling Kelvin-Helmholtz Instability in Soft X-Ray Solar Jets. <i>Advances in Astronomy</i> , 2017, 2017, 1-18.	1.1	3
92	Study of two-stage coronal jet associated with a C1.4 class solar flare. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	3
93	Quasi-periodic spicule-like cool jets driven by Alfvén pulses. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	3
94	A multiwavelength study of an M-class flare and the origin of an associated eruption from NOAA AR 11045. <i>New Astronomy</i> , 2012, 17, 542-551.	1.8	2
95	ON THE OBSERVATIONS OF MULTIPLE MHD OSCILLATIONS IN THE SOLAR LOOPS. , 0, , 315-325.		2
96	Magnetosonic waveguide model of solar wind flow tubes. <i>Journal of Astrophysics and Astronomy</i> , 2006, 27, 353-359.	1.0	1
97	Effects of coronal mass ejections on distant coronal streamers. <i>Astronomy Reports</i> , 2014, 58, 578-586.	0.9	1
98	Magnetic Field in the Gravitationally Stratified Coronal Loops. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 225-232.	1.0	1
99	Superpenumbral chromospheric flare. <i>Research in Astronomy and Astrophysics</i> , 2018, 18, 130.	1.7	1
100	Signatures of red-shifted foot points in the quiescent coronal loop system. <i>Annales Geophysicae</i> , 2019, 37, 765-773.	1.6	1
101	OBSERVATIONS OF X-RAY FLARES AND ASSOCIATED MHD OSCILLATIONS IN STAR $\eta$ BOO. , 2011, , 181-193.		0
102	Estimation of Plasma Properties and Magnetic Field in a Prominence-like Structure as Observed by SDO/AIA. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 405-407.	0.0	0
103	Kelvin-Helmholtz instability in coronal mass ejections and solar surges. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
104	Evidence of Magnetoacoustic Oscillations above the Brightened and Magnetically Active Quiet-Sun. <i>Journal of Astrophysics and Astronomy</i> , 2017, 38, 1.	1.0	0