

Tongjiang Wang

List of Publications by Year in descending order

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45
papers

2,751
citations

218677

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1032
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Coronal Loop Oscillations Observed by SUMER: Slow Magnetosonic Wave Damping by Thermal Conduction. <i>Astrophysical Journal</i> , 2002, 580, L85-L88.	4.5	231
2	Doppler Shift Oscillations of Hot Solar Coronal Plasma Seen by SUMER: A Signature of Loop Oscillations?. <i>Astrophysical Journal</i> , 2002, 574, L101-L104.	4.5	213
3	Imaging coronal magnetic-field reconnection in a solar flare. <i>Nature Physics</i> , 2013, 9, 489-493.	16.7	197
4	Hot coronal loop oscillations observed with SUMER: Examples and statistics. <i>Astronomy and Astrophysics</i> , 2003, 406, 1105-1121.	5.1	176
5	Slow-mode standing waves observed by SUMER in hot coronal loops. <i>Astronomy and Astrophysics</i> , 2003, 402, L17-L20.	5.1	162
6	Vertical oscillations of a coronal loop observed by TRACE. <i>Astronomy and Astrophysics</i> , 2004, 421, L33-L36.	5.1	140
7	PERSISTENT DOPPLER SHIFT OSCILLATIONS OBSERVED WITH <i>Hinode</i> /EIS IN THE SOLAR CORONA: SPECTROSCOPIC SIGNATURES OF ALFVÉNIC WAVES AND RECURRING UPFLOWS. <i>Astrophysical Journal</i> , 2012, 759, 144.	4.5	134
8	Standing Slow-Mode Waves in Hot Coronal Loops: Observations, Modeling, and Coronal Seismology. <i>Space Science Reviews</i> , 2011, 158, 397-419.	8.1	131
9	<i>Hinode</i> observations of transverse waves with flows in coronal loops. <i>Astronomy and Astrophysics</i> , 2008, 482, L9-L12.	5.1	125
10	<i>Hinode</i> /EIS observations of propagating low-frequency slow magnetoacoustic waves in fan-like coronal loops. <i>Astronomy and Astrophysics</i> , 2009, 503, L25-L28.	5.1	91
11	GLOBAL SAUSAGE OSCILLATION OF SOLAR FLARE LOOPS DETECTED BY THE INTERFACE REGION IMAGING SPECTROGRAPH. <i>Astrophysical Journal Letters</i> , 2016, 823, L16.	8.3	82
12	Determination of the Coronal Magnetic Field from Hot Loop Oscillations Observed by SUMER and SXT. <i>Astrophysical Journal</i> , 2007, 656, 598-609.	4.5	79
13	PROPAGATING SLOW MAGNETOACOUSTIC WAVES IN CORONAL LOOPS OBSERVED BY <i>Hinode</i> /EIS. <i>Astrophysical Journal</i> , 2009, 696, 1448-1460.	4.5	76
14	The Large-Scale Coronal Field Structure and Source Region Features for a Halo Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2002, 572, 580-597.	4.5	71
15	Initiation of hot coronal loop oscillations: Spectral features. <i>Astronomy and Astrophysics</i> , 2005, 435, 753-764.	5.1	66
16	SLOW MAGNETOSONIC WAVES AND FAST FLOWS IN ACTIVE REGION LOOPS. <i>Astrophysical Journal</i> , 2012, 754, 111.	4.5	65
17	EVIDENCE OF THERMAL CONDUCTION SUPPRESSION IN A SOLAR FLARING LOOP BY CORONAL SEISMOLOGY OF SLOW-MODE WAVES. <i>Astrophysical Journal Letters</i> , 2015, 811, L13.	8.3	63
18	Slow-Mode Magnetoacoustic Waves in Coronal Loops. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	62

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19	Forward Modeling of Hot Loop Oscillations Observed by SUMER and SXT. <i>Astrophysical Journal</i> , 2007, 659, L173-L176.	4.5	47
20	Magnetohydrodynamic Waves in Open Coronal Structures. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	41
21	THREE-DIMENSIONAL MAGNETOHYDRODYNAMIC MODELING OF PROPAGATING DISTURBANCES IN FAN-LIKE CORONAL LOOPS. <i>Astrophysical Journal Letters</i> , 2013, 775, L23.	8.3	39
22	AN ESTIMATE OF THE MAGNETIC FIELD STRENGTH ASSOCIATED WITH A SOLAR CORONAL MASS EJECTION FROM LOW FREQUENCY RADIO OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 796, 56.	4.5	39
23	Energy leakage as an attenuation mechanism for vertical kink oscillations in solar coronal wave guides. <i>Astronomy and Astrophysics</i> , 2007, 462, 1127-1135.	5.1	37
24	Strength of the Solar Coronal Magnetic Field – A Comparison of Independent Estimates Using Contemporaneous Radio and White-Light Observations. <i>Solar Physics</i> , 2017, 292, 1.	2.5	30
25	Identification of different types of kink modes in coronal loops: principles and application to TRACE results. <i>Astronomy and Astrophysics</i> , 2008, 489, 1307-1317.	5.1	29
26	Direct Estimates of the Solar Coronal Magnetic Field Using Contemporaneous Extreme-ultraviolet, Radio, and White-light Observations. <i>Astrophysical Journal</i> , 2019, 881, 24.	4.5	25
27	GLOBAL CORONAL SEISMOLOGY IN THE EXTENDED SOLAR CORONA THROUGH FAST MAGNETOSONIC WAVES OBSERVED BY STEREO SECCHI COR1. <i>Astrophysical Journal</i> , 2013, 776, 55.	4.5	24
28	Effect of Transport Coefficients on Excitation of Flare-induced Standing Slow-mode Waves in Coronal Loops. <i>Astrophysical Journal</i> , 2018, 860, 107.	4.5	24
29	Role of Compressive Viscosity and Thermal Conductivity on the Damping of Slow Waves in Coronal Loops with and Without Heating – Cooling Imbalance. <i>Solar Physics</i> , 2021, 296, 1.	2.5	22
30	Determination of Transport Coefficients by Coronal Seismology of Flare-induced Slow-mode Waves: Numerical Parametric Study of a 1D Loop Model. <i>Astrophysical Journal</i> , 2019, 886, 2.	4.5	20
31	Fe XIX observations of active region brightenings in the corona. <i>Astronomy and Astrophysics</i> , 2006, 455, 1105-1113.	5.1	20
32	LOW-FREQUENCY OBSERVATIONS OF DRIFTING, NON-THERMAL CONTINUUM RADIO EMISSION ASSOCIATED WITH THE SOLAR CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , 2013, 778, 30.	4.5	19
33	Validation of Spherically Symmetric Inversion by Use of a Tomographically Reconstructed Three-Dimensional Electron Density of the Solar Corona. <i>Solar Physics</i> , 2014, 289, 3723-3745.	2.5	18
34	Simultaneous Near-Sun Observations of a Moving Type IV Radio Burst and the Associated White-Light Coronal Mass Ejection. <i>Solar Physics</i> , 2016, 291, 1405-1416.	2.5	18
35	Variation in Coronal Activity from Solar Cycle 24 Minimum to Maximum Using Three-Dimensional Reconstructions of the Coronal Electron Density from STEREO/COR1. <i>Solar Physics</i> , 2017, 292, 1.	2.5	16
36	Effect of Thermal Conductivity, Compressive Viscosity and Radiative Cooling on the Phase Shift of Propagating Slow Waves with and Without Heating – Cooling Imbalance. <i>Solar Physics</i> , 2021, 296, 1.	2.5	16

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37	Excitation of flare-induced waves in coronal loops and the effects of radiative cooling. <i>Advances in Space Research</i> , 2018, 61, 645-654.	2.6	15
38	Role of Non-ideal Dissipation with Heating–Cooling Misbalance on the Phase Shifts of Standing Slow Magnetohydrodynamic Waves. <i>Solar Physics</i> , 2022, 297, 1.	2.5	14
39	Torsional Alfvénic Oscillations Discovered in the Magnetic Free Energy during Solar Flares. <i>Astrophysical Journal</i> , 2020, 891, 99.	4.5	9
40	Addendum to: Strength of the Solar Coronal Magnetic Field – A Comparison of Independent Estimates Using Contemporaneous Radio and White-Light Observations. <i>Solar Physics</i> , 2017, 292, 1.	2.5	8
41	Excitation and Damping of Slow Magnetosonic Waves in Flaring Hot Coronal Loops: Effects of Compressive Viscosity. <i>Astrophysical Journal</i> , 2022, 926, 64.	4.5	8
42	New Results on the Direct Observations of Thermal Radio Emission from a Solar Coronal Mass Ejection. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091048.	4.0	4
43	Evidence of thermal conduction suppression in hot coronal loops: supplementary results. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 202-208.	0.0	2
44	Quantitative Evaluation of Coronal Magnetic Field Models Using Tomographic Reconstructions of Electron Density. <i>Astrophysical Journal</i> , 2022, 928, 131.	4.5	1
45	Editorial to the Topical Collection: Oscillatory Processes in Solar and Stellar Coronae. <i>Space Science Reviews</i> , 2022, 218, 1.	8.1	1