# Meng Jin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7023899/publications.pdf

Version: 2024-02-01

| 37 | 1,674 | 394390 19 | 330122 37 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 38 | 38 | 38 | 1617 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | ALFVÃ‰N WAVE SOLAR MODEL (AWSoM): CORONAL HEATING. Astrophysical Journal, 2014, 782, 81. | 4.5 | 356 |
| 2 | Atmospheric escape from the TRAPPIST-1 planets and implications for habitability. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 260-265. | 7.1 | 159 |
| 3 | MAGNETOHYDRODYNAMIC WAVES AND CORONAL HEATING: UNIFYING EMPIRICAL AND MHD TURBULENCE MODELS. Astrophysical Journal, 2013, 764, 23. | 4.5 | 142 |
| 4 | Impact of space weather on climate and habitability of terrestrial-type exoplanets. International Journal of Astrobiology, 2020, 19, 136-194. | 1.6 | 125 |
| 5 | A GLOBAL WAVE-DRIVEN MAGNETOHYDRODYNAMIC SOLAR MODEL WITH A UNIFIED TREATMENT OF OPEN AND CLOSED MAGNETIC FIELD TOPOLOGIES. Astrophysical Journal, 2013, 778, 176. | 4.5 | 85 |
| 6 | DATA-CONSTRAINED CORONAL MASS EJECTIONS IN A GLOBAL MAGNETOHYDRODYNAMICS MODEL. Astrophysical Journal, 2017, 834, 173. | 4.5 | 83 |
| 7 | CHROMOSPHERE TO 1 au SIMULATION OF THE 2011 MARCH 7th EVENT: A COMPREHENSIVE STUDY OF CORONAL MASS EJECTION PROPAGATION. Astrophysical Journal, 2017, 834, 172. | 4.5 | 68 |
| 8 | A GLOBAL TWO-TEMPERATURE CORONA AND INNER HELIOSPHERE MODEL: A COMPREHENSIVE VALIDATION STUDY. Astrophysical Journal, 2012, 745, 6. | 4.5 | 55 |
| 9 | CORONAL MASS EJECTION INDUCED OUTFLOWS OBSERVED WITHHINODE/EIS. Astrophysical Journal, 2009, 702, 27-38. | 4.5 | 51 |
| 10 | A Machine-learning Data Set Prepared from the NASA Solar Dynamics Observatory Mission. Astrophysical Journal, Supplement Series, 2019, 242, 7. | 7.7 | 46 |
| 11 | NUMERICAL SIMULATIONS OF CORONAL MASS EJECTION ON 2011 MARCH 7: ONE-TEMPERATURE AND TWO-TEMPERATURE MODEL COMPARISON. Astrophysical Journal, 2013, 773, 50. | 4.5 | 45 |
| 12 | Predicting Solar Flares with Machine Learning: Investigating Solar Cycle Dependence. Astrophysical Journal, 2020, 895, 3. | 4.5 | 42 |
| 13 | A NUMERICAL STUDY OF LONG-RANGE MAGNETIC IMPACTS DURING CORONAL MASS EJECTIONS. Astrophysical Journal, 2016, 820, 16. | 4.5 | 41 |
| 14 | A Truly Global Extreme Ultraviolet Wave from the SOL2017-09-10 X8.2+ Solar Flare-Coronal Mass Ejection. Astrophysical Journal Letters, 2018, 864, L24. | 8.3 | 40 |
| 15 | Probing the Puzzle of Behind-the-limb Î³-Ray Flares: Data-driven Simulations of Magnetic Connectivity and CME-driven Shock Evolution. Astrophysical Journal, 2018, 867, 122. | 4.5 | 33 |
| 16 | Atmospheric Escape From TOI-700 d: Venus versus Earth Analogs. Astrophysical Journal Letters, 2020, 896, L24. | 8.3 | 28 |
| 17 | Probing the Physics of the Solar Atmosphere with the Multi-slit Solar Explorer (MUSE). II. Flares and Eruptions. Astrophysical Journal, 2022, 926, 53. | 4.5 | 24 |
| 18 | The solar wind from a stellar perspective. Astronomy and Astrophysics, 2020, 635, A178. | 5.1 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Modeling the 2012 May 17 Solar Energetic Particle Event Using the AWSoM and iPATH Models. Astrophysical Journal, 2021, 919, 146. | 4.5 | 21 |
| 20 | A deep learning virtual instrument for monitoring extreme UV solar spectral irradiance. Science Advances, 2019, 5, eaaw6548. | 10.3 | 20 |
| 21 | Extreme energetic particle events by superflare-associated CMEs from solar-like stars. Science Advances, 2022, 8, eabi9743. | 10.3 | 19 |
| 22 | Interplanetary Protons versus Interacting Protons in the 2017 September 10 Solar Eruptive Event. Astrophysical Journal, 2020, 890, 13. | 4.5 | 18 |
| 23 | Eruptive event generator based on the Gibsonâ€Low magnetic configuration. Journal of Geophysical Research: Space Physics, 2017, 122, 7979-7984. | 2.4 | 17 |
| 24 | Threaded-field-line Model for the Low Solar Corona Powered by the AlfvÃ©n Wave Turbulence. Astrophysical Journal, 2021, 908, 172. | 4.5 | 17 |
| 25 | One Year in the Life of Young Suns: Data-constrained Corona-wind Model of Î² <sup>1</sup> Ceti. Astrophysical Journal, 2021, 916, 96. | 4.5 | 15 |
| 26 | EVOLUTION OF THE GLOBAL TEMPERATURE STRUCTURE OF THE SOLAR CORONA DURING THE MINIMUM BETWEEN SOLAR CYCLES 23 AND 24. Astrophysical Journal, 2013, 773, 9. | 4.5 | 14 |
| 27 | Extreme-ultraviolet Stellar Characterization for Atmospheric Physics and Evolution mission: motivation and overview. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, . | 1.8 | 12 |
| 28 | Coronal Mass Ejections and Dimmings: A Comparative Study Using MHD Simulations and SDO Observations. Astrophysical Journal, 2022, 928, 154. | 4.5 | 12 |
| 29 | Assessing the Influence of Input Magnetic Maps on Global Modeling of the Solar Wind and CMEâ€Driven Shock in the 2013 April 11 Event. Space Weather, 2022, 20, . | 3.7 | 11 |
| 30 | Correlation and asymmetry between solar flare hard X-ray footpoints: a statistical study. Astronomy and Astrophysics, 2007, 471, 705-709. | 5.1 | 10 |
| 31 | Measurements of the Magnetic Field Strengths at the Bases of Stellar Coronae Using the Magnetic-field-induced Transition Theory. Astrophysical Journal Letters, 2021, 918, L13. | 8.3 | 9 |
| 32 | Coronal dimming as a proxy for stellar coronal mass ejections. Proceedings of the International Astronomical Union, 2019, 15, 426-432. | 0.0 | 8 |
| 33 | FORMATION HEIGHTS OF EXTREME ULTRAVIOLET LINES IN AN ACTIVE REGION DERIVED BY CORRELATION OF DOPPLER VELOCITY AND MAGNETIC FIELD. Astrophysical Journal, 2009, 696, 1526-1532. | 4.5 | 7 |
| 34 | Shock Properties and Associated Characteristics of Solar Energetic Particles in the 2017 September 10 Ground-level Enhancement Event. Astrophysical Journal, 2021, 921, 26. | 4.5 | 7 |
| 35 | Loop-Like Hard X-Ray Emission in a 2005 January 20 Flare. Publication of the Astronomical Society of Japan, 2008, 60, 835-842. | 2.5 | 4 |
| 36 | Multichannel autocalibration for the Atmospheric Imaging Assembly using machine learning. Astronomy and Astrophysics, 2021, 648, A53. | 5.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Simultaneous High Dynamic Range Algorithm, Testing, and Instrument Simulation. Astrophysical Journal, 2022, 924, 63. | 4.5 | 3 |