ADS Paper Titles and Keywords

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| Paper Title | Keywords |
| Predicting Solar Flares Using a Long Short-term Memory Network | magnetic fields, methods: data analysis, Sun: activity, Sun: flares, Astrophysics - Solar and Stellar Astrophysics, Computer Science - Machine Learning |
| Predicting Coronal Mass Ejections Using SDO/HMI Vector Magnetic Data Products and Recurrent Neural Networks | Solar coronal mass ejections, Solar flares, Solar activity, Solar active regions, 310, 1496, 1475, 1974, Astrophysics - Solar and Stellar Astrophysics, Computer Science - Machine Learning |
| Solar Flare Index Prediction Using SDO/HMI Vector Magnetic Data Products with Statistical and Machine-learning Methods | Solar flares, Solar physics, Solar activity, 1496, 1476, 1475, Astrophysics - Solar and Stellar Astrophysics, Statistics - Machine Learning |
| DeepSun: machine-learning-as-a-service for solar flare prediction | Sun: flares, Sun: activity, methods: data analysis, Astrophysics - Instrumentation and Methods for Astrophysics, Computer Science - Machine Learning |
| Predicting Solar Energetic Particles Using SDO/HMI Vector Magnetic Data Products and a Bidirectional LSTM Network | Solar energetic particles, Solar coronal mass ejections, Solar flares, Solar activity, 1491, 310, 1496, 1475, Astrophysics - Solar and Stellar Astrophysics, Computer Science - Machine Learning |
| Operational prediction of solar flares using a transformer-based framework |  |
| Super-Resolution of SOHO/MDI Magnetograms of Solar Active Regions Using SDO/HMI Data and an Attention-Aided Convolutional Neural Network | Active regions, Magnetic fields, Photosphere, Astrophysics - Solar and Stellar Astrophysics, Computer Science - Machine Learning |
| Generating Photospheric Vector Magnetograms of Solar Active Regions for SOHO/MDI Using SDO/HMI and BBSO Data with Deep Learning | Magnetic fields, Photosphere, Neural networks, Data analysis, Astrophysics - Solar and Stellar Astrophysics, Computer Science - Machine Learning |
| Solar X-ray and EUV imager on board the FY-3E satellite |  |
| Self-organized criticality in multi-pulse gamma-ray bursts | gamma-ray burst, general methods: statistical, Astrophysics - High Energy Astrophysical Phenomena |
| Search for GeV neutrino emission during intense gamma-ray solar flares with the IceCube Neutrino Observatory | Astrophysics - High Energy Astrophysical Phenomena, Astrophysics - Solar and Stellar Astrophysics |
| Magnetohydrodynamic Simulation of the X9.3 Flare on 2017 September 6: Evolving Magnetic Topology | magnetic fields, magnetohydrodynamics: MHD, methods: numerical, Sun: corona, Sun: flares, Astrophysics - Solar and Stellar Astrophysics |
| A Machine Learning Based Morphological Classification of 14,245 Radio AGNs Selected from the Best-Heckman Sample | catalogs, galaxies: statistics, methods: data analysis, radio continuum: galaxies, techniques: miscellaneous, Astrophysics - Astrophysics of Galaxies |
| Deep learning for renewable energy forecasting: A taxonomy, and systematic literature review | Deep learning, Renewable energy literature review bibliometric analysis forecasting |
| Prediction of Solar Wind Speed at 1 AU Using an Artificial Neural Network | artificial neural network, speed prediction, various input |
| Deep Learning Based Solar Flare Forecasting Model. I. Results for Line-of-sight Magnetograms | methods: data analysis, Sun: activity, Sun: flares, techniques: image processing |
| Parameters Derived from the SDO/HMI Vector Magnetic Field Data: Potential to Improve Machine-learning-based Solar Flare Prediction Models | Sun: magnetic fields, Sun: flares |
| Solar Flare Prediction Based on the Fusion of Multiple Deep-learning Models | 1496 |
| Improvement of a Deep Learning Algorithm for Total Electron Content Maps: Image Completion | deep learning, TEC map completion, generative adversarial network |

# Distinct Keywords (Sorted)

* 1475
* 1476
* 1491
* 1496
* 1974
* 310
* active regions
* artificial neural network
* astrophysics - astrophysics of galaxies
* astrophysics - high energy astrophysical phenomena
* astrophysics - instrumentation and methods for astrophysics
* astrophysics - solar and stellar astrophysics
* catalogs
* computer science - machine learning
* data analysis
* deep learning
* galaxies: statistics
* gamma-ray burst
* general methods: statistical
* generative adversarial network
* magnetic fields
* magnetohydrodynamics: mhd
* methods: data analysis
* methods: numerical
* neural networks
* photosphere
* radio continuum: galaxies
* renewable energy literature review bibliometric analysis forecasting
* solar active regions
* solar activity
* solar coronal mass ejections
* solar energetic particles
* solar flares
* solar physics
* speed prediction
* statistics - machine learning
* sun: activity
* sun: corona
* sun: flares
* sun: magnetic fields
* tec map completion
* techniques: image processing
* techniques: miscellaneous
* various input