Will T Barnes

List of Publications by Year
in descending order

12 papers	375 citations	1307594 7 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	461 citing authors

#	Article	IF	Citations
1	The SunPy Project: Open Source Development and Status of the Version 1.0 Core Package. Astrophysical Journal, 2020, 890, 68.	4.5	208
2	INFERENCE OF HEATING PROPERTIES FROM â€œHOTâ€•NON-FLARING PLASMAS IN ACTIVE REGION CORES. I. SINGLE NANOFLARES. Astrophysical Journal, 2016, 829, 31.	4.5	40
3	INFERENCE OF HEATING PROPERTIES FROM â€œHOTâ€•NON-FLARING PLASMAS IN ACTIVE REGION CORES. II. NANOFLARE TRAINS. Astrophysical Journal, 2016, 833, 217.	4.5	30
4	aiapy: A Python Package for Analyzing Solar EUV Image Data from AIA. Journal of Open Source Software, 2020, 5, 2801.	4.6	26
5	SunPy: A Python package for Solar Physics. Journal of Open Source Software, 2020, 5, 1832.	4.6	25
6	Understanding Heating in Active Region Cores through Machine Learning. I. Numerical Modeling and Predicted Observables. Astrophysical Journal, 2019, 880, 56.	4.5	19
7	Solar Active Region Heating Diagnostics from High-temperature Emission Using the MaGIXS. Astrophysical Journal, 2019, 884, 24.	4.5	11
8	Nanoflare Diagnostics from Magnetohydrodynamic Heating Profiles. Astrophysical Journal, 2020, 899, 156.	4.5	5
9	Understanding Heating in Active Region Cores through Machine Learning. II. Classifying Observations. Astrophysical Journal, 2021, 919, 132.	4.5	4
10	Geometric Assumptions in Hydrodynamic Modeling of Coronal and Flaring Loops. Astrophysical Journal, 2022, 933, 106.	4.5	4
11	Forecasting the Remaining Duration of an Ongoing Solar Flare. Space Weather, 2021, 19, e2021SW002754.	3.7	3
12	ChiantiPy: a Python package for Astrophysical Spectroscopy. , 2017, , .		0