

Stephan G Heinemann

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

428
citations

759233

12
h-index

752698

20
g-index

22
all docs

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docs citations

22
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation scheme for solar coronal models: Constraints from multi-perspective observations in EUV and white light. <i>Astronomy and Astrophysics</i> , 2022, 657, A117.	5.1	8
2	How the area of solar coronal holes affects the properties of high-speed solar wind streams near Earth: An analytical model. <i>Astronomy and Astrophysics</i> , 2022, 659, A190.	5.1	10
3	Identification of Coronal Holes on AIA/SDO Images Using Unsupervised Machine Learning. <i>Astrophysical Journal</i> , 2022, 930, 118.	4.5	3
4	Deriving CME Density From Remote Sensing Data and Comparison to In-Situ Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028380.	2.4	20
5	Statistical Approach on Differential Emission Measure of Coronal Holes using the CATCH Catalog. <i>Solar Physics</i> , 2021, 296, 1.	2.5	10
6	Properties of stream interaction regions at Earth and Mars during the declining phase of SC 24. <i>Astronomy and Astrophysics</i> , 2021, 649, A80.	5.1	12
7	Coronal Hole Detection and Open Magnetic Flux. <i>Astrophysical Journal</i> , 2021, 918, 21.	4.5	28
8	Multi-channel coronal hole detection with convolutional neural networks. <i>Astronomy and Astrophysics</i> , 2021, 652, A13.	5.1	13
9	How to Estimate the Far-Side Open Flux Using STEREO Coronal Holes. <i>Solar Physics</i> , 2021, 296, 1.	2.5	5
10	Earth-affecting solar transients: a review of progresses in solar cycle 24. <i>Progress in Earth and Planetary Science</i> , 2021, 8, 56.	3.0	56
11	The impact of coronal hole characteristics and solar cycle activity in reconstructing coronal holes with EUHFORIA. <i>Journal of Physics: Conference Series</i> , 2020, 1548, 012004.	0.4	3
12	EREBUS: the EuRoPean Extinction BUmp Survey. <i>Experimental Astronomy</i> , 2020, 50, 145-158.	3.7	1
13	A statistical study of the long-term evolution of coronal hole properties as observed by SDO. <i>Astronomy and Astrophysics</i> , 2020, 638, A68.	5.1	19
14	Differential Emission Measure Plasma Diagnostics of a Long-Lived Coronal Hole. <i>Solar Physics</i> , 2020, 295, 1.	2.5	22
15	Unusual Plasma and Particle Signatures at Mars and STEREO-A Related to CME-CME Interaction. <i>Astrophysical Journal</i> , 2019, 880, 18.	4.5	22
16	Statistical Analysis and Catalog of Non-polar Coronal Holes Covering the SDO-Era Using CATCH. <i>Solar Physics</i> , 2019, 294, 1.	2.5	44
17	CME-HSS Interaction and Characteristics Tracked from Sun to Earth. <i>Solar Physics</i> , 2019, 294, 121.	2.5	40
18	Reconstructing Coronal Hole Areas With EUHFORIA and Adapted WSA Model: Optimizing the Model Parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8280-8297.	2.4	29

#	ARTICLE	IF	CITATIONS
19	Photospheric magnetic structure of coronal holes. <i>Astronomy and Astrophysics</i> , 2019, 629, A22.	5.1	28
20	Three-phase Evolution of a Coronal Hole. I. 360° Remote Sensing and In Situ Observations. <i>Astrophysical Journal</i> , 2018, 861, 151.	4.5	33
21	Three-phase Evolution of a Coronal Hole. II. The Magnetic Field. <i>Astrophysical Journal</i> , 2018, 863, 29.	4.5	18
22	Influence of coronal hole morphology on the solar wind speed at Earth. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	4