

Kevin Dalmasse

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,206
citations

430874

18
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

1036
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar Coronal Jets: Observations, Theory, and Modeling. <i>Space Science Reviews</i> , 2016, 201, 1-53.	8.1	256
2	Model for straight and helical solar jets. <i>Astronomy and Astrophysics</i> , 2015, 573, A130.	5.1	108
3	DISTRIBUTION OF ELECTRIC CURRENTS IN SOLAR ACTIVE REGIONS. <i>Astrophysical Journal Letters</i> , 2014, 782, L10.	8.3	78
4	Relative magnetic helicity as a diagnostic of solar eruptivity. <i>Astronomy and Astrophysics</i> , 2017, 601, A125.	5.1	75
5	Open questions on prominences from coordinated observations by IRIS, Hinode, SDO/AIA, THEMIS, and the Meudon/MSDP. <i>Astronomy and Astrophysics</i> , 2014, 569, A85.	5.1	64
6	Testing magnetic helicity conservation in a solar-like active event. <i>Astronomy and Astrophysics</i> , 2015, 580, A128.	5.1	58
7	A model for straight and helical solar jets. <i>Astronomy and Astrophysics</i> , 2016, 596, A36.	5.1	55
8	Models and data analysis tools for the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A2.	5.1	53
9	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 37.	7.7	52
10	Height formation of bright points observed by IRIS in Mg II λ 7890 line wings during flux emergence. <i>Astronomy and Astrophysics</i> , 2016, 593, A32.	5.1	41
11	A small mission concept to the Sun's Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 146, 171-185.	1.6	39
12	MAGNETIC FIELD IN ATYPICAL PROMINENCE STRUCTURES: BUBBLE, TORNADO, AND ERUPTION. <i>Astrophysical Journal</i> , 2016, 826, 164.	4.5	38
13	THE ORIGIN OF NET ELECTRIC CURRENTS IN SOLAR ACTIVE REGIONS. <i>Astrophysical Journal</i> , 2015, 810, 17.	4.5	36
14	Magnetic Helicity Budget of Solar Active Regions Prolific of Eruptive and Confined Flares. <i>Astrophysical Journal</i> , 2019, 887, 64.	4.5	34
15	Can we explain atypical solar flares?. <i>Astronomy and Astrophysics</i> , 2015, 574, A37.	5.1	33
16	Photospheric Injection of Magnetic Helicity: Connectivity-Based Flux Density Method. <i>Solar Physics</i> , 2014, 289, 107-136.	2.5	29
17	First observational application of a connectivity-based helicity flux density. <i>Astronomy and Astrophysics</i> , 2013, 555, L6.	5.1	28
18	Magnetic Nulls and Super-radial Expansion in the Solar Corona. <i>Astrophysical Journal Letters</i> , 2017, 840, L13.	8.3	22

#	ARTICLE	IF	CITATIONS
19	Modeling the Early Evolution of a Slow Coronal Mass Ejection Imaged by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 72.	7.7	21
20	The New 2018 Version of the Meudon Spectroheliograph. <i>Solar Physics</i> , 2019, 294, 1.	2.5	17
21	Data-optimized Coronal Field Model. I. Proof of Concept. <i>Astrophysical Journal</i> , 2019, 877, 111.	4.5	13
22	Studying the Transfer of Magnetic Helicity in Solar Active Regions with the Connectivity-based Helicity Flux Density Method. <i>Astrophysical Journal</i> , 2018, 852, 141.	4.5	12
23	ROAM: A Radial-Basis-Function Optimization Approximation Method for Diagnosing the Three-Dimensional Coronal Magnetic Field. <i>Frontiers in Astronomy and Space Sciences</i> , 2016, 3, .	2.8	10
24	Relative magnetic field line helicity. <i>Astronomy and Astrophysics</i> , 2019, 624, A51.	5.1	9
25	Magnetofrictional Modeling of an Erupting Pseudostreamer. <i>Astrophysical Journal</i> , 2021, 913, 47.	4.5	7
26	Forward Modeling of a Pseudostreamer. <i>Astrophysical Journal</i> , 2019, 883, 74.	4.5	5
27	Coronal jets in an inclined coronal magnetic field : a parametric 3D MHD study. <i>EAS Publications Series</i> , 2012, 55, 201-205.	0.3	4
28	Polarimetric measurements in prominences and "coronados" observed by THEMIS. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 275-281.	0.0	4
29	Meteospace, a New Instrument for Solar Survey at the Calern Observatory. <i>Solar Physics</i> , 2019, 294, 1.	2.5	2
30	A confined flare above filaments. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 227-230.	0.0	1
31	Designing a New Coronal Magnetic Field Energy Diagnostic. <i>Astrophysical Journal</i> , 2021, 907, 23.	4.5	1
32	Magnetic imaging of the outer solar atmosphere (MImOSA). <i>Experimental Astronomy</i> , 0, , 1.	3.7	1
33	Optical instrumentation for chromospheric monitoring during solar cycle 25 at Paris and C�te d'Azur observatories. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 31.	3.3	0