Santiago Vargas DomÃ-nguez

List of Publications by Year
in descending order

38 papers	1,051 citations	430874 18 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	779 citing authors

#	Article	IF	Citations
1	The Solar Activity Monitor Network â€“ SAMNet. Journal of Space Weather and Space Climate, 2022, 12, 2.	3.3	16
2	Latin American Network for Scientific Culture (RedLCC): A Regional Science Communication Initiative. Frontiers in Research Metrics and Analytics, 2021, 6, 654022.	1.9	1
3	Three-dimensional magnetic reconnection in particle-in-cell simulations of anisotropic plasma turbulence. Journal of Plasma Physics, 2021, 87, .	2.1	19
4	The active region source of a type III radio storm observed by Parker Solar Probe during encounter 2. Astronomy and Astrophysics, 2021, 650, A7.	5.1	17
5	AnÃ¡lisis de polaridades magnÃ©ticas en regiones activas para la prediccIÃ³n de fulguraciones solares. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2020, 44, 984-995.	0.2	0
6	Photospheric plasma and magnetic field dynamics during the formation of solar AR 11190. Astronomy and Astrophysics, 2019, 622, A168.	5.1	7
7	Flare Energy Release in the Lower Solar Atmosphere near the Magnetic Field Polarity Inversion Line. Astrophysical Journal, 2017, 840, 84.	4.5	15
8	Tuning up Fuzzy Inference Systems by using optimization algorithms for the classification of solar flares. Tecciencia, 2017, 12, 35-46.	0.5	2
9	THE INFLUENTIAL EFFECT OF BLENDING, BUMP, CHANGING PERIOD, AND ECLIPSING CEPHEIDS ON THE LEAVITT LAW. Astrophysical Journal, 2016, 824, 74.	4.5	2
10	IAU volume 12 issue S327 Cover and Front matter. Proceedings of the International Astronomical Union, 2016, 12, f1-f16.	0.0	0
11	RELATIONSHIP BETWEEN CHROMOSPHERIC EVAPORATION AND MAGNETIC FIELD TOPOLOGY IN ANÂM-CLASS SOLAR FLARE. Astrophysical Journal, 2016, 828, 4.	4.5	16
12	A Python-based interface to examine motions in time series of solar images. Proceedings of the International Astronomical Union, 2016, 12, 25-27.	0.0	0
13	Initiation and chromospheric effects of a M1.0 class solar flare from high-resolution multi-wavelength observations. Proceedings of the International Astronomical Union, 2016, 12, 103-108.	0.0	0
14	The best of both worlds: Using automatic detection and limited human supervision to create a homogenous magnetic catalog spanning four solar cycles. , 2016, , .		1
15	The grand aurorae borealis seen in Colombia in 1859. Advances in Space Research, 2016, 57, 257-267.	2.6	19
16	Evolution of small-scale magnetic elements in regions with plasma vortices in the solar photosphere. Tecciencia, 2016, 11, 1-4.	0.5	1
17	Spectroscopic UV observations of M1.0 class solar flare from IRIS satellite. Proceedings of the International Astronomical Union, 2015, 11, 64-67.	0.0	0
18	PROPERTIES OF CHROMOSPHERIC EVAPORATION AND PLASMA DYNAMICS OF A SOLAR FLARE FROMIRISOBSERVATIONS. Astrophysical Journal, 2015, 805, 167.	4.5	39

#	Article	IF	Citations
19	Evolution of Small-Scale Magnetic Elements in the Vicinity of Granular-Sized Swirl Convective Motions. Solar Physics, 2015, 290, 301-319.	2.5	14
20	PARALLEL EVOLUTION OF QUASI-SEPARATRIX LAYERS AND ACTIVE REGION UPFLOWS. Astrophysical Journal, 2015, 809, 73.	4.5	27
21	MULTI-WAVELENGTH HIGH-RESOLUTION OBSERVATIONS OF A SMALL-SCALE EMERGING MAGNETIC FLUX EVENT AND THE CHROMOSPHERIC AND CORONAL RESPONSE. Astrophysical Journal, 2014, 794, 140.	4.5	20
22	Twisting solar coronal jet launched at the boundary of an active region. Astronomy and Astrophysics, 2013, 559, A1.	5.1	85
23	Recurrent coronal jets induced by repetitively accumulated electric currents. Astronomy and Astrophysics, 2013, 555, A19.	5.1	65
24	MAGNETIC TOPOLOGY OF A NAKED SUNSPOT: IS IT REALLY NAKED?. Astrophysical Journal Letters, 2012, 746, L13.	8.3	12
25	LEMUR: Large European module for solar Ultraviolet Research. Experimental Astronomy, 2012, 34, 273-309.	3.7	25
26	On Signatures of Twisted Magnetic Flux Tube Emergence. Solar Physics, 2012, 278, 33-45.	2.5	22
27	Nonlinear Force-Free Extrapolation of Emerging Flux with a Global Twist and Serpentine Fine Structures. Solar Physics, 2012, 278, 73-97.	2.5	61
28	Granular-Scale Elementary Flux Emergence Episodes in a Solar Active Region. Solar Physics, 2012, 278, 99-120.	2.5	29
29	Magnetic field emergence in mesogranular-sized exploding granules observed with sunrise/IMaX data. Astronomy and Astrophysics, 2012, 537, A21.	5.1	22
30	Spatial distribution and statistical properties of small-scale convective vortex-like motions in a quiet-Sun region. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	12
31	The Imaging Magnetograph eXperiment (IMaX) forÂtheÂSunrise Balloon-Borne Solar Observatory. Solar Physics, 2011, 268, 57-102.	2.5	229
32	Evidence of small-scale magnetic concentrations dragged by vortex motion of solar photospheric plasma. Astronomy and Astrophysics, 2010, 513, L6.	5.1	40
33	MULTIWAVELENGTH OBSERVATIONS OF SMALL-SCALE RECONNECTION EVENTS TRIGGERED BY MAGNETIC FLUX EMERGENCE IN THE SOLAR ATMOSPHERE. Astrophysical Journal, 2010, 724, 1083-1098.	4.5	90
34	Characterization of horizontal flows around solar pores from high-resolution time series of images. Astronomy and Astrophysics, 2010, 516, A91.	5.1	25
35	Retrieval of solar magnetic fields from high-spatial resolution filtergraph data: the Imaging Magnetograph eXperiment (IMaX). Astronomy and Astrophysics, 2010, 522, A101.	5.1	4
36	Moat Flow in the Vicinity of Sunspots for Various Penumbral Configurations. Astrophysical Journal, 2008, 679, 900-909.	4.5	32

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37	On the Moat-Penumbra Relation. Astrophysical Journal, 2007, 660, L165-L168.	4.5	25
38	Relationships between magnetic foot points and G-band bright structures. Astronomy and Astrophysics, 2007, 472, 911-918.	5.1	57