

Stephane Regnier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1894653/publications.pdf>

Version: 2024-02-01

35
papers

2,049
citations

331670

21
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

971
citing authors

#	ARTICLE	IF	CITATIONS
1	A CRITICAL ASSESSMENT OF NONLINEAR FORCE-FREE FIELD MODELING OF THE SOLAR CORONA FOR ACTIVE REGION 10953. <i>Astrophysical Journal</i> , 2009, 696, 1780-1791.	4.5	318
2	Nonlinear Force-Free Modeling of Coronal Magnetic Fields Part I: A Quantitative Comparison of Methods. <i>Solar Physics</i> , 2006, 235, 161-190.	2.5	286
3	Nonlinear Force-Free Field Modeling of a Solar Active Region around the Time of a Major Flare and Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2008, 675, 1637-1644.	4.5	254
4	ILCT: Recovering Photospheric Velocities from Magnetograms by Combining the Induction Equation with Local Correlation Tracking. <i>Astrophysical Journal</i> , 2004, 610, 1148-1156.	4.5	171
5	3D Coronal magnetic field from vector magnetograms: non-constant-force-free configuration of the active region NOAA 8151. <i>Astronomy and Astrophysics</i> , 2002, 392, 1119-1127.	5.1	93
6	Evolution of magnetic fields and energetics of flares in active region 8210. <i>Astronomy and Astrophysics</i> , 2006, 451, 319-330.	5.1	88
7	3D magnetic configuration of the H α filament and X-ray sigmoid in NOAA AR 8151. <i>Astronomy and Astrophysics</i> , 2004, 425, 345-352.	5.1	79
8	THE INFLUENCE OF SPATIAL RESOLUTION ON NONLINEAR FORCE-FREE MODELING. <i>Astrophysical Journal</i> , 2015, 811, 107.	4.5	78
9	A new look at a polar crown cavity as observed by SDO/AIA. <i>Astronomy and Astrophysics</i> , 2011, 533, L1.	5.1	64
10	A SELF-CONSISTENT NONLINEAR FORCE-FREE SOLUTION FOR A SOLAR ACTIVE REGION MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2009, 700, L88-L91.	4.5	55
11	A new view of quiet-Sun topology from Hinode/SOT. <i>Astronomy and Astrophysics</i> , 2008, 484, L47-L50.	5.1	53
12	Free Magnetic Energy in Solar Active Regions above the Minimum-Energy Relaxed State. <i>Astrophysical Journal</i> , 2007, 669, L53-L56.	4.5	51
13	Nonlinear force-free models for the solar corona. <i>Astronomy and Astrophysics</i> , 2007, 468, 701-709.	5.1	49
14	Oscillations in an active region filament: Observations and comparison with MHD waves. <i>Astronomy and Astrophysics</i> , 2001, 376, 292-301.	5.1	47
15	Magnetic Field Extrapolations into the Corona: Success and Future Improvements. <i>Solar Physics</i> , 2013, 288, 481-505.	2.5	44
16	ANTI-PARALLEL EUV FLOWS OBSERVED ALONG ACTIVE REGION FILAMENT THREADS WITH HI-C. <i>Astrophysical Journal Letters</i> , 2013, 775, L32.	8.3	43
17	Measuring the Magnetic-Field Strength of the Quiet Solar Corona Using "EIT Waves". <i>Solar Physics</i> , 2013, 288, 567-583.	2.5	31
18	SPARKLING EXTREME-ULTRAVIOLET BRIGHT DOTS OBSERVED WITH Hi-C. <i>Astrophysical Journal</i> , 2014, 784, 134.	4.5	30

#	ARTICLE	IF	CITATIONS
19	Self and mutual magnetic helicities in coronal magnetic configurations. <i>Astronomy and Astrophysics</i> , 2005, 442, 345-349.	5.1	28
20	POLAR investigation of the Sun's POLARIS. <i>Experimental Astronomy</i> , 2009, 23, 1079-1117.	3.7	24
21	FLAWS AT THE EDGE OF AN ACTIVE REGION: OBSERVATION AND INTERPRETATION. <i>Astrophysical Journal</i> , 2012, 752, 13.	4.5	23
22	Damping of Propagating Kink Waves in the Solar Corona. <i>Astrophysical Journal</i> , 2019, 876, 106.	4.5	22
23	Coronal Alfvén speeds in an isothermal atmosphere. <i>Astronomy and Astrophysics</i> , 2008, 491, 297-309.	5.1	21
24	A new approach to the maser emission in the solar corona. <i>Astronomy and Astrophysics</i> , 2015, 581, A9.	5.1	18
25	I. Jet Formation and Evolution Due to 3D Magnetic Reconnection. <i>Astrophysical Journal</i> , 2018, 856, 176.	4.5	16
26	Magnetic Energy Storage and Current Density Distributions for Different Force-Free Models. <i>Solar Physics</i> , 2012, 277, 131-151.	2.5	13
27	Chromospheric seismology above sunspot umbrae. <i>Astronomy and Astrophysics</i> , 2015, 580, A107.	5.1	13
28	Oscillatory Reconnection of a 2D X-point in a Hot Coronal Plasma. <i>Astrophysical Journal</i> , 2022, 925, 195.	4.5	8
29	Observational Signatures of a Kink-unstable Coronal Flux Rope Using Hinode/EIS. <i>Astrophysical Journal</i> , 2017, 842, 16.	4.5	7
30	Relationship between photospheric currents and coronal magnetic helicity for force-free bipolar fields. <i>Astronomy and Astrophysics</i> , 2009, 497, L17-L20.	5.1	7
31	The Independence of Oscillatory Reconnection Periodicity from the Initial Pulse. <i>Astrophysical Journal</i> , 2022, 933, 142.	4.5	6
32	Multi-Stranded Coronal Loops: Quantifying Strand Number and Heating Frequency from Simulated Solar Dynamics Observatory (SDO) Atmospheric Imaging Assembly (AIA) Observations. <i>Solar Physics</i> , 2021, 296, 1.	2.5	4
33	In situ generation of coronal Alfvén waves by jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1936-1945.	4.4	3
34	3D WKB solution for fast magnetoacoustic wave behaviour around an X-line. <i>Astronomy and Astrophysics</i> , 2016, 591, A103.	5.1	2
35	Thermal shielding of an emerging active region. <i>Astronomy and Astrophysics</i> , 2012, 544, L10.	5.1	0