Nicolas Labrosse

List of Publications by Year
in descending order

53 papers	1,265 citations	394421 19 h-index	361022 35 g-index
53 all docs	53 docs citations	53 times ranked	829 citing authors

#	Article	IF	Citations
1	ALMA as a Prominence Thermometer: First Observations. Astrophysical Journal Letters, 2022, 927, L29.	8.3	3
2	First high resolution interferometric observation of a solar prominence with ALMA. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 513, L30-L34.	3.3	5
3	Solar prominence diagnostics from non-LTE modelling of Mgâ€¯II h&k line profiles. Astronomy and Astrophysics, 2021, 653, A5.	5.1	14
4	Spectro-imagery of an active tornado-like prominence: Formation and evolution. Astronomy and Astrophysics, 2021, 653, A94.	5.1	10
5	On the Possibility of Detecting Helium D3 Line Polarization with Metis. Astrophysical Journal, 2020, 900, 8.	4.5	8
6	First Spectral Analysis of a Solar Plasma Eruption Using ALMA. Astrophysical Journal, 2019, 875, 163.	4.5	20
7	Modelling of Mgâ€¯II lines in solar prominences. Astronomy and Astrophysics, 2019, 625, A30.	5.1	14
8	Exploration of long-period oscillations in an HÎ± prominence. Astronomy and Astrophysics, 2019, 623, A144.	5.1	6
9	Spectral gradient of the thermal millimetre continuum as a diagnostic for optical thickness in the solar atmosphere (Corrigendum). Astronomy and Astrophysics, 2019, 623, C3.	5.1	0
10	Visibility of Prominences Using the Heâ€‰i D3 Line Filter on the PROBA-3/ASPIICS Coronagraph. Solar Physics, 2018, 293, 1.	2.5	4
11	The Influence of the Solar Coronal Radiation on Coronal Plasma Structures, I: Determination of the Incident Coronal Radiation. Solar Physics, 2018, 293, 35.	2.5	1
12	The development of lower-atmosphere turbulence early in a solar flare. Science Advances, 2018, 4, eaav2794.	10.3	31
13	On the Dynamic Nature of a Quiescent Prominence Observed by IRIS and MSDP Spectrographs. Astrophysical Journal, 2018, 865, 123.	4.5	21
14	Modeling of the Hydrogen Lyman Lines in Solar Flares. Astrophysical Journal, 2018, 862, 59.	4.5	23
15	Spectral gradient of the thermal millimetre continuum as a diagnostic for optical thickness in the solar atmosphere. Astronomy and Astrophysics, 2018, 617, L6.	5.1	4
16	HÎ± Doppler shifts in a tornado in the solar corona. Astronomy and Astrophysics, 2017, 597, A109.	5.1	20
17	Reconstruction of a helical prominence in 3D from IRIS spectra and images. Astronomy and Astrophysics, 2017, 606, A30.	5.1	23
18	Non-Gaussian Velocity Distributions in Solar Flares from Extreme Ultraviolet Lines: A Possible Diagnostic of Ion Acceleration. Astrophysical Journal, 2017, 836, 35.	4.5	26

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19	Solar Prominence Modelling and Plasma Diagnostics at ALMA Wavelengths. Solar Physics, 2017, 292, 130.	2.5	11
20	Comparing UV/EUV line parameters and magnetic field in a quiescent prominence with tornadoes. Astronomy and Astrophysics, 2017, 607, A16.	5.1	12
21	Supporting Students in the Transition to Postgraduate Taught Study in STEM Subjects. Journal of Perspectives in Applied Academic Practice, 2017, 5, .	0.2	2
22	Radiative transfer in cylindrical threads with incident radiation. Astronomy and Astrophysics, 2016, 587, A113.	5.1	9
23	First evidence of non-Gaussian solar flare EUV spectral line profiles and accelerated non-thermal ion motion. Astronomy and Astrophysics, 2016, 590, A99.	5.1	37
24	MAGNETIC FIELD IN ATYPICAL PROMINENCE STRUCTURES: BUBBLE, TORNADO, AND ERUPTION. Astrophysical Journal, 2016, 826, 164.	4.5	38
25	STRUCTURE OF PROMINENCE LEGS: PLASMA AND MAGNETIC FIELD. Astrophysical Journal, 2016, 818, 31.	4.5	35
26	Solar Science with the Atacama Large Millimeter/Submillimeter Arrayâ€"A New View of Our Sun. Space Science Reviews, 2016, 200, 1-73.	8.1	113
27	Doppler speeds of the hydrogen Lyman lines in solar flares from EVE. Astronomy and Astrophysics, 2016, 596, A51.	5.1	15
28	A solar tornado observed by EIS. Astronomy and Astrophysics, 2015, 582, A27.	5.1	29
29	SSALMON â€“ The Solar Simulations for the Atacama Large Millimeter Observatory Network. Advances in Space Research, 2015, 56, 2679-2692.	2.6	5
30	Derivation of the Major Properties of Prominences Using NLTE Modelling. Astrophysics and Space Science Library, 2015, , 131-155.	2.7	15
31	Determining energy balance in the flaring chromosphere from oxygen V line ratios. Astronomy and Astrophysics, 2015, 584, A6.	5.1	8
32	Polarimetric measurements in prominences and â€œtornadoesâ€•observed by THEMIS. Proceedings of the International Astronomical Union, 2014, 10, 275-281.	0.0	4
33	Prominences in SDO/EVE spectra: contributions from large solar structures. Proceedings of the International Astronomical Union, 2013, 8, 439-440.	0.0	0
34	Plasma properties in eruptive prominences. Proceedings of the International Astronomical Union, 2013, 8, 79-84.	0.0	1
35	The role of filament activation in a solar eruption. Astronomy and Astrophysics, 2012, 539, A27.	5.1	1
36	Plasma diagnostic in eruptive prominences from SDO/AIA observations at 304ÅÃ.... Astronomy and Astrophysics, 2012, 537, A100.	5.1	19

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37	EUV lines observed with EIS/Hinode in a solar prominence. Astronomy and Astrophysics, 2011, 531, A69.	5.1	20
38	The EVE Doppler Sensitivity and Flare Observations. Solar Physics, 2011, 273, 69-80.	2.5	25
39	Solar flares: observations vs simulations. Proceedings of the International Astronomical Union, 2010, 6, 182-184.	0.0	0
40	Automatic Detection of Limb Prominences in 304 Ã... EUV Images. Solar Physics, 2010, 262, 449-460.	2.5	21
41	Physics of Solar Prominences: Iâ€"Spectral Diagnostics and Non-LTE Modelling. Space Science Reviews, 2010, 151, 243-332.	8.1	322
42	Formation of Helium Lines in Solar Prominences. , 2009, , .		0
43	Radiative transfer in cylindrical threads with incident radiation. Astronomy and Astrophysics, 2009, 503, 663-671.	5.1	31
44	Observations of a solar flare and filament eruption in Lyman $mathsf{alpha}$ and X-rays. Astronomy and Astrophysics, 2009, 507, 1005-1014.	5.1	30
45	Hinode,TRACE,SOHO, and Groundâ€based Observations of a Quiescent Prominence. Astrophysical Journal, 2008, 686, 1383-1396.	4.5	95
46	Diagnostics of active and eruptive prominences through hydrogen and helium lines modelling. Annales Geophysicae, 2008, 26, 2961-2965.	1.6	7
47	Effect of motions in prominences on the helium resonance lines in the extreme ultraviolet. Astronomy and Astrophysics, 2007, 463, 1171-1179.	5.1	18
48	A global 2.5-dimensional three fluid solar wind model with alpha particles. Journal of Geophysical Research, 2006, 111, .	3.3	12
49	On the LymanÂÎ± and Î² lines in solar coronal streamers. Astronomy and Astrophysics, 2006, 455, 719-723.	5.1	7
50	Nonâ€LTE Radiative Transfer in Model Prominences. I. Integrated Intensities of HeiTriplet Lines. Astrophysical Journal, 2004, 617, 614-622.	4.5	32
51	Formation of helium spectrum in solar quiescent prominences. Astronomy and Astrophysics, 2001, 380, 323-340.	5.1	44
52	A ready-made code for the computation of prominence NLTE models. Solar Physics, 2000, 196, 349-355.	2.5	13
53	HiRISE - High-Resolution Imaging and Spectroscopy Explorer - Ultrahigh resolution, interferometric and external occulting coronagraphic science. Experimental Astronomy, 0, , 1.	3.7	1