

John M Laming

List of Publications by Year in descending order

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63
papers

2,189
citations

218677

26
h-index

223800

46
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65
all docs

65
docs citations

65
times ranked

1790
citing authors

#	ARTICLE	IF	CITATIONS
1	The FIP and Inverse-FIP Effects in Solar Flares. <i>Astrophysical Journal</i> , 2021, 909, 17.	4.5	16
2	The Evolution of Plasma Composition during a Solar Flare. <i>Astrophysical Journal</i> , 2021, 911, 86.	4.5	8
3	Global helium abundance measurements in the solar corona. <i>Nature Astronomy</i> , 2020, 4, 1134-1139.	10.1	25
4	Can Subphotospheric Magnetic Reconnection Change the Elemental Composition in the Solar Corona?. <i>Astrophysical Journal</i> , 2020, 894, 35.	4.5	9
5	Magnesium isotopes of the bulk solar wind from Genesis diamond-like carbon films. <i>Meteoritics and Planetary Science</i> , 2020, 55, 352-375.	1.6	12
6	Element Abundances in the Unshocked Ejecta of Cassiopeia A. <i>Astrophysical Journal</i> , 2020, 904, 115.	4.5	17
7	Magnetic Field Geometry and Composition Variation in Slow Solar Winds: The Case of Sulfur. <i>Astrophysical Journal</i> , 2020, 895, 36.	4.5	5
8	Optical Tomography of Chemical Elements Synthesized in Type Ia Supernovae. <i>Physical Review Letters</i> , 2019, 123, 041101.	7.8	31
9	Element Abundances: A New Diagnostic for the Solar Wind. <i>Astrophysical Journal</i> , 2019, 879, 124.	4.5	62
10	Transient Inverse-FIP Plasma Composition Evolution within a Solar Flare. <i>Astrophysical Journal</i> , 2019, 875, 35.	4.5	22
11	Reflection of Fast Magnetosonic Waves near a Magnetic Reconnection Region. <i>Astrophysical Journal</i> , 2018, 860, 138.	4.5	8
12	THE DISTRIBUTION OF RADIOACTIVE ^{44}Ti IN CASSIOPEIA A. <i>Astrophysical Journal</i> , 2017, 834, 19.	4.5	87
13	The First Ionization Potential Effect from the Ponderomotive Force: On the Polarization and Coronal Origin of Alfvén Waves. <i>Astrophysical Journal</i> , 2017, 844, 153.	4.5	36
14	Determining the Elemental and Isotopic Composition of the Pre-solar Nebula from Genesis Data Analysis: The Case of Oxygen. <i>Astrophysical Journal Letters</i> , 2017, 851, L12.	8.3	15
15	Ion-Ion Equilibration and Particle Distributions in a 3000 km s^{-1} Shock in SN 1006. <i>Astrophysical Journal</i> , 2017, 851, 12.	4.5	15
16	PLASMA COMPRESSION IN MAGNETIC RECONNECTION REGIONS IN THE SOLAR CORONA. <i>Astrophysical Journal</i> , 2016, 825, 55.	4.5	13
17	PONDEROMOTIVE ACCELERATION IN CORONAL LOOPS. <i>Astrophysical Journal</i> , 2016, 831, 160.	4.5	25
18	WAVE PROPAGATION AT OBLIQUE SHOCKS: HOW DID TYCHO GET ITS STRIPES?. <i>Astrophysical Journal</i> , 2015, 805, 102.	4.5	10

#	ARTICLE	IF	CITATIONS
19	Waves and Magnetism in the Solar Atmosphere (WAMIS). Proceedings of the International Astronomical Union, 2014, 10, 121-126.	0.0	0
20	IONIC COMPOSITION STRUCTURE OF CORONAL MASS EJECTIONS IN AXISYMMETRIC MAGNETOHYDRODYNAMIC MODELS. Astrophysical Journal, 2011, 740, 112.	4.5	41
21	Fe XVII X-RAY LINE RATIOS FOR ACCURATE ASTROPHYSICAL PLASMA DIAGNOSTICS. Astrophysical Journal, 2011, 728, 132.	4.5	42
22	More Supernova Surprises. Science, 2010, 329, 1604-1605.	12.6	1
23	X-RAY SPECTROSCOPIC DIAGNOSIS OF A WIND-COLLIMATED BLAST WAVE AND METAL-RICH EJECTA FROM THE 2006 EXPLOSION OF RS OPHIUCHI. Astrophysical Journal, 2009, 691, 418-424.	4.5	31
24	Analysis of ion charge states in solar wind and CMEs. Journal of Astrophysics and Astronomy, 2008, 29, 211-215.	1.0	0
25	Analog and digital simulations of Maxwellian plasmas for astrophysics. Canadian Journal of Physics, 2008, 86, 209-216.	1.1	5
26	Non-Maxwellian Proton Velocity Distributions in Nonradiative Shocks. Astrophysical Journal, 2008, 682, 408-415.	4.5	33
27	A Deep Chandra Observation of Kepler's Supernova Remnant: A Type Ia Event with Circumstellar Interaction. Astrophysical Journal, 2007, 668, L135-L138.	4.5	116
28	The 3C/3D Line Ratio in Ni XIX: New Ab Initio Theory and Experimental Results. Physical Review Letters, 2006, 97, 143201.	7.8	19
29	Collisional Ionization Equilibrium for Optically Thin Plasmas. I. Updated Recombination Rate Coefficients for Bare through Sodium-like Ions. Astrophysical Journal, Supplement Series, 2006, 167, 343-356.	7.7	133
30	Stellar Coronal Abundances at Intermediate Activity Levels: $\approx 1/4$ UMa. Astrophysical Journal, 2005, 634, 1336-1345.	4.5	19
31	Helium Abundance in High-Temperature Solar Flare Plasmas. Astrophysical Journal, 2005, 619, 1142-1152.	4.5	18
32	Temperature Measurements in the Solar Transition Region Using Ni III Line Intensity Ratios. Astrophysical Journal, 2003, 590, 1121-1130.	4.5	3
33	Efficient Multi-keV Underdense Laser-Produced Plasma Radiators. Physical Review Letters, 2001, 87, 275003.	7.8	85
34	Properties of Solar Polar Coronal Hole Plasmas Observed above the Limb. Astrophysical Journal, 2001, 546, 559-568.	4.5	51
35	The Solar Helium Abundance in the Outer Corona Determined from Observations with SUMER/SOHO. Astrophysical Journal, 2001, 546, 552-558.	4.5	51
36	Emission-Line Intensity Ratios in Fe XVII Observed with a Microcalorimeter on an Electron Beam Ion Trap. Astrophysical Journal, 2000, 545, L161-L164.	4.5	73

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37	Laboratory Astrophysics Survey of Key X-ray Diagnostic Lines Using A Microcalorimeter on an Electron Beam Ion Trap. Astrophysical Journal, 2000, 541, 495-500.	4.5	33
38	Element Abundances in the Upper Atmospheres of the Sun and Stars: Update of Observational Results. Physica Scripta, 2000, 61, 222-252.	2.5	165
39	The Relationship of Solar Abundance Measurements to the Electron Temperature in a Polar Coronal Hole. Astrophysical Journal, 2000, 539, L71-L74. Relationships among the Intensities of Li ^{II} , Be ^{II} , and Na ^{II} -like Resonance Lines in Collisionally Ionized	4.5	8

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55	The He II 1640 a multiplet observed from solar prominences. <i>Astrophysical Journal</i> , 1993, 403, 434.	4.5	14
56	A burst model for line emission in the solar atmosphere. III - A reassessment of the assumptions of constant pressure and steady state coronal equilibrium in the solar transition region. <i>Astrophysical Journal</i> , 1993, 404, 799.	4.5	14
57	The He II 1640 Angstrom Multiplet Observed from Solar Prominences: Erratum. <i>Astrophysical Journal</i> , 1993, 409, 869.	4.5	2
58	A burst model for line emission in the solar atmosphere. I - XUV lines of He I and He II in impulsive flares. <i>Astrophysical Journal</i> , 1992, 386, 364.	4.5	33
59	A burst model for line emission in the solar atmosphere. II - Coronal extreme ultraviolet lines. <i>Astrophysical Journal</i> , 1992, 398, 692.	4.5	24
60	Electron Beam Diagnostics in Radiation from H- and He-like Ions in Solar Flares. <i>Astrophysical Journal</i> , 1990, 357, 275.	4.5	13
61	Emission-line polarization as an equilibration diagnostic for nonradiative shock fronts. <i>Astrophysical Journal</i> , 1990, 362, 219.	4.5	15
62	Measurement of relative oscillator strengths for Ni I. Transitions from levels Formula. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 236, 235-245.	4.4	28
63	Simultaneous observation of Lyman- ϵ and Balmer- ϵ transitions in hydrogenic iron, Fe ²⁵⁺ : A novel technique for 1s Lamb-shift measurement. <i>Physical Review A</i> , 1987, 36, 1515-1518.	2.5	29