

# The Imaging Magnetograph eXperiment (IMaX) for the Observatory

Solar Physics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	TURBULENT DIFFUSION IN THE PHOTOSPHERE AS DERIVED FROM PHOTOSPHERIC BRIGHT POINT MOTION. <i>Astrophysical Journal</i> , 2011, 743, 133.	4.5	78
2	Application of speckle and (multi-object) multi-frame blind deconvolution techniques on imaging and imaging spectropolarimetric data. <i>Astronomy and Astrophysics</i> , 2011, 533, A21.	5.1	20
3	TRANSPORT OF MAGNETIC FLUX FROM THE CANOPY TO THE INTERNETWORK. <i>Astrophysical Journal</i> , 2011, 729, 136.	4.5	8
4	Ubiquitous quiet-Sun jets. <i>Astronomy and Astrophysics</i> , 2011, 530, A111.	5.1	22
5	On acoustic and gravity waves in the solar photosphere and their energy transport. <i>Astronomy and Astrophysics</i> , 2011, 532, A111.	5.1	15
6	Advection and dispersal of small magnetic elements in the very quiet Sun. <i>Astronomy and Astrophysics</i> , 2011, 531, L9.	5.1	37
7	BAYESIAN INFERENCE OF SOLAR AND STELLAR MAGNETIC FIELDS IN THE WEAK-FIELD APPROXIMATION. <i>Astrophysical Journal</i> , 2011, 731, 27.	4.5	16
8	Space-qualified liquid-crystal variable retarders for wide-field-of-view coronagraphs. , 2011, , .		8
9	MESOGRANULATION AND THE SOLAR SURFACE MAGNETIC FIELD DISTRIBUTION. <i>Astrophysical Journal Letters</i> , 2011, 727, L30.	8.3	38
10	THE RELATIONSHIP BETWEEN VERTICAL AND HORIZONTAL MAGNETIC FIELDS IN THE QUIET SUN. <i>Astrophysical Journal</i> , 2011, 735, 74.	4.5	28
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14	The Sunrise Mission. <i>Solar Physics</i> , 2011, 268, 1-34.	2.5	199
15	The Wave-Front Correction System for the Sunrise Balloon-Borne Solar Observatory. <i>Solar Physics</i> , 2011, 268, 103-123.	2.5	82
16	UNNOTICED MAGNETIC FIELD OSCILLATIONS IN THE VERY QUIET SUN REVEALED BY SUNRISE/IMaX. <i>Astrophysical Journal Letters</i> , 2011, 730, L37.	8.3	37
17	Imaging polarimeters based on liquid crystal variable retarders: an emergent technology for space instrumentation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	21
18	Study of stokes polarimeters based on a single twisted nematic liquid crystal panel. , 2011, , .		0

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19	Thermal control of SUNRISE, a balloon-borne solar telescope. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2011, 225, 1037-1049.	1.3	6
20	Preflight calibration of the Imaging Magnetograph eXperiment polarization modulation package based on liquid-crystal variable retarders. Applied Optics, 2012, 51, 4954.	1.8	5
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40	On Multi-Line Spectro-Polarimetric Diagnostics of the Quiet Sun's Magnetic Fields. <i>Solar Physics</i> , 2012, 276, 43-59.	2.5	13
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54	Optical characterization of the breadboard narrowband prefilters for Solar Orbiter PHI. , 2014, , .		0

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63	Simulated magnetic flows in the solar photosphere. <i>Astronomy and Astrophysics</i> , 2015, 574, A28.	5.1	14
64	Supergranular-scale magnetic flux emergence beneath an unstable filament. <i>Astronomy and Astrophysics</i> , 2015, 583, A47.	5.1	9
65	Centre-to-limb properties of small, photospheric quiet-Sun jets. <i>Astronomy and Astrophysics</i> , 2015, 574, A95.	5.1	7
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76	Inference of magnetic fields in the very quiet Sun. <i>Astronomy and Astrophysics</i> , 2016, 596, A5.	5.1	24
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87	The Second Flight of the Sunrise Balloon-borne Solar Observatory: Overview of Instrument Updates, the Flight, the Data, and First Results. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 2.	7.7	80
88	Brightness of Solar Magnetic Elements As a Function of Magnetic Flux at High Spatial Resolution. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 12.	7.7	28
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91	Design and calibration of a high-sensitivity and high-accuracy polarimeter based on liquid crystal variable retarders. <i>Research in Astronomy and Astrophysics</i> , 2017, 17, 8.	1.7	9

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108	Transverse Oscillations in Slender Ca ii H Fibrils Observed with Sunrise/SuFI. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 9.	7.7	39
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111	Chromospheric Heating due to Cancellation of Quiet Sun Internetwork Fields. <i>Astrophysical Journal</i> , 2018, 857, 48.	4.5	23
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