

Martin Snow

List of Publications by Year in descending order

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64
papers

2,008
citations

279487

23
h-index

243296

44
g-index

74
all docs

74
docs citations

74
times ranked

2007
citing authors

#	ARTICLE	IF	CITATIONS
1	A Solar Irradiance Climate Data Record. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1265-1282.	1.7	227
2	Solar Irradiance Reference Spectra (SIRS) for the 2008 Whole Heliosphere Interval (WHI). <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	171
3	Solar irradiance variability during the October 2003 solar storm period. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	166
4	High-resolution solar spectral irradiance from extreme ultraviolet to far infrared. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	157
5	The solar magnetic activity band interaction and instabilities that shape quasi-periodic variability. <i>Nature Communications</i> , 2015, 6, 6491.	5.8	97
6	Comparison of Magnesium II core-to-wing ratio observations during solar minimum 23/24. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A04.	1.1	78
7	The SORCE SIM Solar Spectrum: Comparison with Recent Observations. <i>Solar Physics</i> , 2010, 263, 3-24.	1.0	77
8	Solar Stellar Irradiance Comparison Experiment II (SOLSTICE II): Pre-Launch and On-Orbit Calibrations. <i>Solar Physics</i> , 2005, 230, 259-294.	1.0	73
9	Solar Stellar Irradiance Comparison Experiment II (Solstice II): Examination of the Solar Stellar Comparison Technique. <i>Solar Physics</i> , 2005, 230, 295-324.	1.0	68
10	An Improved Lyman Alpha Composite. <i>Earth and Space Science</i> , 2019, 6, 2263-2272.	1.1	56
11	The Mg II Index from SORCE. <i>Solar Physics</i> , 2005, 230, 325-344.	1.0	54
12	The solar cycle variation in ultraviolet irradiance. <i>Advances in Space Research</i> , 2001, 27, 1927-1932.	1.2	51
13	The Flare Irradiance Spectral Model Version 2 (FISM2). <i>Space Weather</i> , 2020, 18, e2020SW002588.	1.3	50
14	Decoupling Solar Variability and Instrument Trends Using the Multiple Same-Irradiance-Level (MuSIL) Analysis Technique. <i>Solar Physics</i> , 2018, 293, 76.	1.0	43
15	Asteroseismic signatures of stellar magnetic activity cycles. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007, 379, L16-L20.	1.2	40
16	Far- and Extreme-UV Solar Spectral Irradiance and Radiance from Simplified Atmospheric Physical Models. <i>Solar Physics</i> , 2014, 289, 515-544.	1.0	37
17	Solar Irradiance Variability: Comparisons of Models and Measurements. <i>Earth and Space Science</i> , 2019, 6, 2525-2555.	1.1	36
18	Solar Ultraviolet Irradiance Observations of the Solar Flares During the Intense September 2017 Storm Period. <i>Space Weather</i> , 2018, 16, 1470-1487.	1.3	34

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19	Disconnection Events (DEs) in Halley's Comet 1985–1986. <i>Icarus</i> , 1999, 137, 69-83.	1.1	29
20	Heliospheric Latitude Variations of Properties of Cometary Plasma Tails: A Test of the Ulysses Comet Watch Paradigm. <i>Icarus</i> , 2000, 148, 52-64.	1.1	29
21	Solar-induced 27-day variations of mesospheric temperature and water vapor from the AIM SOFIE experiment: Drivers of polar mesospheric cloud variability. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 134, 56-68.	0.6	26
22	A Different View of Solar Spectral Irradiance Variations: Modeling Total Energy over Six-Month Intervals. <i>Solar Physics</i> , 2015, 290, 2649-2676.	1.0	24
23	The Extreme Ultraviolet Sensor (EUVS) for GOES-R. <i>Proceedings of SPIE</i> , 2009, , .	0.8	23
24	Solar spectral irradiance variability in the ultraviolet from SORCE and UARS SOLSTICE. <i>Advances in Space Research</i> , 2010, 46, 296-302.	1.2	23
25	A New Catalog of Ultraviolet Stellar Spectra for Calibration. , 2013, , 191-226.		23
26	Characteristics of solar-irradiance spectra from measurements, modeling, and theoretical approach. <i>Light: Science and Applications</i> , 2022, 11, 79.	7.7	21
27	Monitoring the solar UV irradiance spectrum from the observation of a few passbands. <i>Astronomy and Astrophysics</i> , 2011, 528, A68.	2.1	20
28	Midlatitude atmospheric OH response to the most recent 11-y solar cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2023-2028.	3.3	17
29	The Solar Cycle 23–24 Minimum. A Benchmark in Solar Variability and Effects in the Heliosphere. <i>Solar Physics</i> , 2011, 274, 159-162.	1.0	16
30	Overview of the Solar Radiation and Climate Experiment (SORCE) Seventeen-Year Mission. <i>Solar Physics</i> , 2021, 296, 127.	1.0	16
31	The Infrared Solar Spectrum Measured by the SOLSPEC Spectrometer Onboard the International Space Station. <i>Solar Physics</i> , 2015, 290, 1581-1600.	1.0	14
32	Solar-induced 27-day variations of polar mesospheric clouds from the AIM SOFIE and CIPS experiments. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 162, 122-135.	0.6	14
33	The GOES-R EUVS model for EUV irradiance variability. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A43.	1.1	14
34	Solar-Cycle Variability Results from the Solar Radiation and Climate Experiment (SORCE) Mission. <i>Solar Physics</i> , 2022, 297, 43.	1.0	14
35	A Revised Magnesium II Core-to-Wing Ratio From SORCE SOLSTICE. <i>Earth and Space Science</i> , 2019, 6, 2106-2114.	1.1	13
36	Comet de Vico (122P) and latitude variations of plasma phenomena. <i>Planetary and Space Science</i> , 1997, 45, 813-819.	0.9	12

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37	An Empirical Model of the Variation of the Solar Lyman- α Spectral Irradiance. Geophysical Research Letters, 2018, 45, 2138-2144.	1.5	11
38	A New Version of the SOLAR-ISS Spectrum Covering the 165-3000 nm Spectral Region. Solar Physics, 2020, 295, 1.	1.0	11
39	Observations of 3C 273 with the Goddard High Resolution Spectrograph on the Hubble Space Telescope. Astronomical Journal, 1993, 105, 831.	1.9	11
40	The Disconnection Event of comet Halley on 1986 March 16.0. Astronomical Journal, 1994, 107, 1591.	1.9	11
41	The disconnection events of 1986 April 13-18 and the cessation of plasma tail activity in Comet Halley in 1986 May. Astrophysical Journal, 1993, 414, 883.	1.6	10
42	SOLAR-STellar Irradiance Comparison Experiment II (SOLSTICE II): End-of-Mission Validation of the SOLSTICE Technique. Solar Physics, 2022, 297, 1.	1.0	9
43	Comet Hyakutake (C/1996 B2): Spectacular disconnection event and the latitudinal structure of the solar wind. Planetary and Space Science, 2004, 52, 313-323.	0.9	8
44	Solar Spectral Proxy Irradiance from GOES (SSPRING): a model for solar EUV irradiance. Journal of Space Weather and Space Climate, 2016, 6, A10.	1.1	8
45	SORCE-Based Solar Spectral Irradiance (SSI) Record for Input Into Chemistry-Climate Studies. Earth and Space Science, 2019, 6, 2487-2507.	1.1	8
46	The Mg II Index from SORCE. , 2005, , 325-344.		7
47	EUVS-C: the measurement of the magnesium II index for GOES-R EXIS. , 2009, , .		6
48	Lyman- α Models for LRO LAMP from MESSENGER MASCS and SOHO SWAN Data. , 2013, , 163-175.		6
49	GOES-R Series Solar X-ray and Ultraviolet Irradiance. , 2020, , 233-242.		5
50	High time cadence solar Magnesium II index monitor. , 2005, 5901, 354.		4
51	SOLAR-v: A new solar spectral irradiance dataset based on SOLAR/SOLSPEC observations during solar cycle 24. Astronomy and Astrophysics, 2021, 645, A2.	2.1	4
52	Large-Scale Structures in Comet Hale-Bopp. Earth, Moon and Planets, 2002, 90, 15-33.	0.3	3
53	Ultraviolet Solar Spectral Irradiance Variation on Solar Cycle Timescales. Proceedings of the International Astronomical Union, 2018, 13, 203-208.	0.0	3
54	Solar-Stellar Irradiance Comparison Experiment II (SOLSTICE II): Examination of the Solar-Stellar Comparison Technique. , 2005, , 295-324.		3

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55	Lyman- α Observations of Comet Holmes from SORCE SOLSTICE and SOHO SWAN. , 2013, , 255-267.		3
56	Goddard High Resolution Spectrograph Observations of NGC 4151. Astronomical Journal, 2001, 121, 2999-3000.	1.9	3
57	Absolute ultraviolet irradiance of the moon from SORCE SOLSTICE. , 2007, , .		2
58	Multiple Scattering Effects in the Interplanetary Medium: Evaluation Using SOHO SWAN and MAVEN EUVM Lyman α Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 3949-3960.	0.8	2
59	Solar-Stellar Irradiance Comparison Experiment II (SOLSTICE II): Pre-Launch and On-Orbit Calibrations. , 2005, , 259-294.		2
60	Magnesium II Index measurements from SORCE SOLSTICE and GOES-16 EUVS. Proceedings of the International Astronomical Union, 2018, 13, 167-168.	0.0	1
61	Large-Scale Structures in Comet Hale-Bopp. , 2002, , 15-33.		1
62	Chromospheric Lines as Diagnostics of Stellar Oscillations. Globular Clusters - Guides To Galaxies, 2008, , 311-312.	0.1	0
63	Far- and Extreme-UV Solar Spectral Irradiance and Radiance from Simplified Atmospheric Physical Models. , 2013, , 79-108.		0
64	Solar Irradiance Variability: Current Understanding from Observations and Future Directions for Model Improvements. , 2018, , .		0