

Haili Hu

List of Publications by Year in descending order

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31
papers

3,195
citations

394421

19
h-index

454955

30
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32
all docs

32
docs citations

32
times ranked

3820
citing authors

#	ARTICLE	IF	CITATIONS
1	MODULES FOR EXPERIMENTS IN STELLAR ASTROPHYSICS (MESA): BINARIES, PULSATIONS, AND EXPLOSIONS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 15.	7.7	1,990
2	Toward Global Mapping of Methane With TROPOMI: First Results and Intersatellite Comparison to GOSAT. <i>Geophysical Research Letters</i> , 2018, 45, 3682-3689.	4.0	170
3	The operational methane retrieval algorithm for TROPOMI. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5423-5440.	3.1	93
4	Carbon monoxide total column retrievals from TROPOMI shortwave infrared measurements. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4955-4975.	3.1	92
5	Initial data release from the INT Photometric H Survey of the Northern Galactic Plane (IPHAS). <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 89-104.	4.4	85
6	Measuring Carbon Monoxide With TROPOMI: First Results and a Comparison With ECMWFâ€œIFS Analysis Data. <i>Geophysical Research Letters</i> , 2018, 45, 2826-2832.	4.0	82
7	Mapping carbon monoxide pollution from space down to city scales with daily global coverage. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5507-5518.	3.1	75
8	Slowing down atomic diffusion in subdwarf B stars: mass loss or turbulence?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 195-205.	4.4	68
9	The binary properties of the pulsating subdwarf B eclipsing binary PG 1336-018 (NY Virginis). <i>Astronomy and Astrophysics</i> , 2007, 471, 605-615.	5.1	66
10	A pulsation zoo in the hot subdwarf B star KICâ€œ10139564 observed by Kepler. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 2686-2700.	4.4	57
11	The UV-Excess survey of the northern Galactic plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 323-339.	4.4	46
12	Seismic evidence for non-synchronization in two close sdb+dM binaries from Kepler photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1343-1351.	4.4	45
13	Carbon dioxide retrieval from OCO-2 satellite observations using the RemoTeC algorithm and validation with TCCON measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3111-3130.	3.1	45
14	A seismic approach to testing different formation channels of subdwarf B stars. <i>Astronomy and Astrophysics</i> , 2008, 490, 243-252.	5.1	38
15	An evolutionary study of the pulsating subdwarf B eclipsing binary PG 1336-018 (NY Virginis). <i>Astronomy and Astrophysics</i> , 2007, 473, 569-577.	5.1	34
16	Impact of helium diffusion and helium-flash-induced carbon production on gravity-mode pulsations in subdwarf B stars. <i>Astronomy and Astrophysics</i> , 2009, 508, 869-876.	5.1	30
17	Orbital properties of an unusually low-mass sdB star in a close binary system with a white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 1752-1761.	4.4	24
18	Gravitational settling in pulsating subdwarf B stars and their progenitors. <i>Astronomy and Astrophysics</i> , 2010, 511, A87.	5.1	21

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19	The blue-edge problem of the V1093 Herculis instability strip revisited using evolutionary models with atomic diffusion. <i>Astronomy and Astrophysics</i> , 2014, 569, A123.	5.1	20
20	Detection of carbon monoxide pollution from cities and wildfires on regional and urban scales: the benefit of CO column retrievals from SCIAMACHY 2.3 μm measurements under cloudy conditions. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2553-2565.	3.1	17
21	The effects of diffusion in hot subdwarf progenitors from the common envelope channel. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4728-4738.	4.4	16
22	HDO and H ₂ O total column retrievals from TROPOMI shortwave infrared measurements. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3921-3937.	3.1	14
23	Carbon monoxide column retrieval for clear-sky and cloudy atmospheres: a full-mission data set from SCIAMACHY 2.3 μm reflectance measurements. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1769-1782.	3.1	12
24	A full-mission data set of H ₂ O and HDO columns from SCIAMACHY 2.3 μm reflectance measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3339-3350.	3.1	8
25	Full-physics carbon dioxide retrievals from the Orbiting Carbon Observatory-2 (OCO-2) satellite by only using the 2.06 μm band. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6049-6058.	3.1	8
26	Privacy-preserving local analysis of digital trace data: A proof-of-concept. <i>Patterns</i> , 2022, 3, 100444.	5.9	7
27	Methane and carbon dioxide total column retrievals from cloudy GOSAT soundings over the oceans. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5031-5050.	3.3	5
28	A study of synthetic ¹³ CH ₄ retrievals from TROPOMI and Sentinel-5/LVNS. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6273-6301.	3.1	5
29	Blue Straggler Surface Abundances: A Clue to Their Formation History?. , 2010, , .		3
30	Angular momentum transfer between oscillations and rotation in subdwarf B hybrid pulsators. <i>Astronomy and Astrophysics</i> , 2011, 535, A96.	5.1	2
31	Diffusion in hot subdwarf progenitors from the common envelope channel. <i>Open Astronomy</i> , 2017, 26, .	0.6	0