Theodora Karalidi

List of Publications by Year
in descending order

30	1,013	361413	454955
papers	citations	20 h-index	30 g-index

31	31	31	910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Longitudinally Resolved Spectral Retrieval (ReSpect) of WASP-43b. Astrophysical Journal, 2021, 915, 45.	4.5	9
2	LOUPE: observing Earth from the Moon to prepare for detecting life on Earth-like exoplanets. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190577.	3.4	9
3	Revealing the Vertical Cloud Structure of a Young Low-mass Brown Dwarf, an Analog to the Î²-Pictoris b Directly Imaged Exoplanet, through Keck I/MOSFIRE Spectrophotometric Variability. Astronomical Journal, 2021, 162, 179.	4.7	9
4	The Sonora Substellar Atmosphere Models. II. Cholla: A Grid of Cloud-free, Solar Metallicity Models in Chemical Disequilibrium for the JWST Era. Astrophysical Journal, 2021, 923, 269.	4.5	23
5	Cloud Atlas: High-precision HST/WFC3/IR Time-resolved Observations of Directly Imaged Exoplanet HD 106906b. Astronomical Journal, 2020, 159, 140.	4.7	13
6	Detection of Polarization due to Cloud Bands in the Nearby Luhman 16 Brown Dwarf Binary. Astrophysical Journal, 2020, 894, 42.	4.5	23
7	Cloud Atlas: Weak Color Modulations Due to Rotation in the Planetary-mass Companion GU Psc b and 11 Other Brown Dwarfs. Astronomical Journal, 2020, 159, 125.	4.7	16
8	Cloud Atlas: Unraveling the Vertical Cloud Structure with the Time-series Spectrophotometry of an Unusually Red Brown Dwarf. Astrophysical Journal, 2020, 903, 15.	4.5	12
9	Cloud Atlas: High-contrast Time-resolved Observations of Planetary-mass Companions. Astronomical Journal, 2019, 157, 128.	4.7	21
10	Cloud Atlas: Hubble Space Telescope Near-infrared Spectral Library of Brown Dwarfs, Planetary-mass Companions, and Hot Jupiters. Astronomical Journal, 2019, 157, 101.	4.7	32
11	Cloud Atlas: Rotational Spectral Modulations and Potential Sulfide Clouds in the Planetary-mass, Late T-type Companion Ross 458C. Astrophysical Journal Letters, 2019, 875, L15.	8.3	27
12	Cloud Atlas: Variability in and out of the Water Band in the Planetary-mass HD 203030B Points to Cloud Sedimentation in Low-gravity L Dwarfs. Astrophysical Journal, 2019, 883, 181.	4.5	17
13	Cloud Atlas: Discovery of Rotational Spectral Modulations in a Low-mass, L-type Brown Dwarf Companion to a Star. Astronomical Journal, 2018, 155, 11.	4.7	28
14	Cloud Atlas: Rotational Modulations in the L/T Transition Brown Dwarf Companion HN Peg B. Astronomical Journal, 2018, 155, 132.	4.7	27
15	Zones, spots, and planetary-scale waves beating in brown dwarf atmospheres. Science, 2017, 357, 683-687.	12.6	75
16	Spectral Variability of Two Rapidly Rotating Brown Dwarfs: 2MASS J08354256-0819237 and 2MASS J18212815+1414010. Astrophysical Journal, 2017, 849, 163.	4.5	9
17	MAPS OF EVOLVING CLOUD STRUCTURES IN LUHMAN 16AB FROM HST TIME-RESOLVED SPECTROSCOPY. Astrophysical Journal, 2016, 825, 90.	4.5	33
18	EXTRASOLAR STORMS: PRESSURE-DEPENDENT CHANGES IN LIGHT-CURVE PHASE IN BROWN DWARFS FROM SIMULTANEOUS HST AND SPITZER OBSERVATIONS. Astrophysical Journal, 2016, 826, 8.	4.5	77

#	Article	IF	Citations
19	CLOUD ATLAS: DISCOVERY OF PATCHY CLOUDS AND HIGH-AMPLITUDE ROTATIONAL MODULATIONS IN A YOUNG, EXTREMELY RED L-TYPE BROWN DWARF. Astrophysical Journal Letters, 2016, 829, L32.	8.3	58
20	HST ROTATIONAL SPECTRAL MAPPING OF TWO L-TYPE BROWN DWARFS: VARIABILITY IN AND OUT OF WATER BANDS INDICATES HIGH-ALTITUDE HAZE LAYERS. Astrophysical Journal Letters, 2015, 798, L13.	8.3	69
21	AEOLUS: A MARKOV CHAIN MONTE CARLO CODE FOR MAPPING ULTRACOOL ATMOSPHERES. AN APPLICATION ON JUPITER AND BROWN DWARFHSTLIGHT CURVES. Astrophysical Journal, 2015, 814, 65.	4.5	37
22	Flux and polarization signals of spatially inhomogeneous gaseous exoplanets. Astronomy and Astrophysics, 2013, 555, A127.	5.1	19
23	Looking for the rainbow on exoplanets covered by liquid and icy water clouds. Astronomy and Astrophysics, 2012, 548, A90.	5.1	42
24	Observing the Earth as an exoplanet with LOUPE, the lunar observatory for unresolved polarimetry of Earth. Planetary and Space Science, 2012, 74, 202-207.	1.7	27
25	Modeled flux and polarization signals of horizontally inhomogeneous exoplanets applied to Earth-like planets. Astronomy and Astrophysics, 2012, 546, A56.	5.1	31
26	CHARACTERIZING EXOPLANETARY ATMOSPHERES THROUGH INFRARED POLARIMETRY. Astrophysical Journal, 2011, 741, 59.	4.5	67
27	Flux and polarisation spectra of water clouds on exoplanets. Astronomy and Astrophysics, 2011, 530, A69.	5.1	32
28	Spectral modulation for full linear polarimetry. Applied Optics, 2009, 48, 1337.	2.1	122
29	SPEX: an in-orbit spectropolarimeter for planetary exploration. Proceedings of SPIE, 2008, , .	0.8	5
30	Cosmic-Ray Modulation: An Empirical Relation with Solar and Heliospheric Parameters. Solar Physics, 2007, 245, 369-390.	2.5	44