

# Theodora Karalidi

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,013  
citations

361413

20  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral modulation for full linear polarimetry. <i>Applied Optics</i> , 2009, 48, 1337.	2.1	122
2	EXTRASOLAR STORMS: PRESSURE-DEPENDENT CHANGES IN LIGHT-CURVE PHASE IN BROWN DWARFS FROM SIMULTANEOUS HST AND SPITZER OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 826, 8.	4.5	77
3	Zones, spots, and planetary-scale waves beating in brown dwarf atmospheres. <i>Science</i> , 2017, 357, 683-687.	12.6	75
4	<i>HST</i> ROTATIONAL SPECTRAL MAPPING OF TWO L-TYPE BROWN DWARFS: VARIABILITY IN AND OUT OF WATER BANDS INDICATES HIGH-ALTITUDE HAZE LAYERS. <i>Astrophysical Journal Letters</i> , 2015, 798, L13.	8.3	69
5	CHARACTERIZING EXOPLANETARY ATMOSPHERES THROUGH INFRARED POLARIMETRY. <i>Astrophysical Journal</i> , 2011, 741, 59.	4.5	67
6	CLOUD ATLAS: DISCOVERY OF PATCHY CLOUDS AND HIGH-AMPLITUDE ROTATIONAL MODULATIONS IN A YOUNG, EXTREMELY RED L-TYPE BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 829, L32.	8.3	58
7	Cosmic-Ray Modulation: An Empirical Relation with Solar and Heliospheric Parameters. <i>Solar Physics</i> , 2007, 245, 369-390.	2.5	44
8	Looking for the rainbow on exoplanets covered by liquid and icy water clouds. <i>Astronomy and Astrophysics</i> , 2012, 548, A90.	5.1	42
9	<i>AEOLUS</i> : A MARKOV CHAIN MONTE CARLO CODE FOR MAPPING ULTRACOOL ATMOSPHERES. AN APPLICATION ON JUPITER AND BROWN DWARF <i>HST</i> LIGHT CURVES. <i>Astrophysical Journal</i> , 2015, 814, 65.	4.5	37
10	MAPS OF EVOLVING CLOUD STRUCTURES IN LUHMAN 16AB FROM HST TIME-RESOLVED SPECTROSCOPY. <i>Astrophysical Journal</i> , 2016, 825, 90.	4.5	33
11	Flux and polarisation spectra of water clouds on exoplanets. <i>Astronomy and Astrophysics</i> , 2011, 530, A69.	5.1	32
12	Cloud Atlas: Hubble Space Telescope Near-infrared Spectral Library of Brown Dwarfs, Planetary-mass Companions, and Hot Jupiters. <i>Astronomical Journal</i> , 2019, 157, 101.	4.7	32
13	Modeled flux and polarization signals of horizontally inhomogeneous exoplanets applied to Earth-like planets. <i>Astronomy and Astrophysics</i> , 2012, 546, A56.	5.1	31
14	Cloud Atlas: Discovery of Rotational Spectral Modulations in a Low-mass, L-type Brown Dwarf Companion to a Star. <i>Astronomical Journal</i> , 2018, 155, 11.	4.7	28
15	Observing the Earth as an exoplanet with LOUPE, the lunar observatory for unresolved polarimetry of Earth. <i>Planetary and Space Science</i> , 2012, 74, 202-207.	1.7	27
16	Cloud Atlas: Rotational Modulations in the L/T Transition Brown Dwarf Companion HN Peg B. <i>Astronomical Journal</i> , 2018, 155, 132.	4.7	27
17	Cloud Atlas: Rotational Spectral Modulations and Potential Sulfide Clouds in the Planetary-mass, Late T-type Companion Ross 458C. <i>Astrophysical Journal Letters</i> , 2019, 875, L15.	8.3	27
18	Detection of Polarization due to Cloud Bands in the Nearby Luhman 16 Brown Dwarf Binary. <i>Astrophysical Journal</i> , 2020, 894, 42.	4.5	23

#	ARTICLE	IF	CITATIONS
19	The Sonora Substellar Atmosphere Models. II. Cholla: A Grid of Cloud-free, Solar Metallicity Models in Chemical Disequilibrium for the JWST Era. <i>Astrophysical Journal</i> , 2021, 923, 269.	4.5	23
20	Cloud Atlas: High-contrast Time-resolved Observations of Planetary-mass Companions. <i>Astronomical Journal</i> , 2019, 157, 128.	4.7	21
21	Flux and polarization signals of spatially inhomogeneous gaseous exoplanets. <i>Astronomy and Astrophysics</i> , 2013, 555, A127.	5.1	19
22	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. <i>Astrophysical Journal</i> , 2019, 883, 181.	4.5	17
23	Cloud Atlas: Weak Color Modulations Due to Rotation in the Planetary-mass Companion GU Psc b and 11 Other Brown Dwarfs. <i>Astronomical Journal</i> , 2020, 159, 125.	4.7	16
24	Cloud Atlas: High-precision HST/WFC3/IR Time-resolved Observations of Directly Imaged Exoplanet HD 106906b. <i>Astronomical Journal</i> , 2020, 159, 140.	4.7	13
25	Cloud Atlas: Unraveling the Vertical Cloud Structure with the Time-series Spectrophotometry of an Unusually Red Brown Dwarf. <i>Astrophysical Journal</i> , 2020, 903, 15.	4.5	12
26	Spectral Variability of Two Rapidly Rotating Brown Dwarfs: 2MASS J08354256-0819237 and 2MASS J18212815+1414010. <i>Astrophysical Journal</i> , 2017, 849, 163.	4.5	9
27	Longitudinally Resolved Spectral Retrieval (ReSpect) of WASP-43b. <i>Astrophysical Journal</i> , 2021, 915, 45.	4.5	9
28	LOUPE: observing Earth from the Moon to prepare for detecting life on Earth-like exoplanets. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20190577.	3.4	9
29	Revealing the Vertical Cloud Structure of a Young Low-mass Brown Dwarf, an Analog to the $\hat{\iota}^2$ -Pictoris b Directly Imaged Exoplanet, through Keck I/MOSFIRE Spectrophotometric Variability. <i>Astronomical Journal</i> , 2021, 162, 179.	4.7	9
30	SPEX: an in-orbit spectropolarimeter for planetary exploration. <i>Proceedings of SPIE</i> , 2008, , .	0.8	5