

# Kamen Todorov

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

1,090  
citations

759233

12  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water vapour absorption in the clear atmosphere of a Neptune-sized exoplanet. <i>Nature</i> , 2014, 513, 526-529.	27.8	238
2	<i>SPITZER</i> SECONDARY ECLIPSES OF THE DENSE, MODESTLY-IRRADIATED, GIANT EXOPLANET HAT-P-20b USING PIXEL-LEVEL DECORRELATION. <i>Astrophysical Journal</i> , 2015, 805, 132.	4.5	212
3	3.6 AND 4.5 $\mu$ m <i>SPITZER</i> PHASE CURVES OF THE HIGHLY IRRADIATED HOT JUPITERS WASP-19b AND HAT-P-7b. <i>Astrophysical Journal</i> , 2016, 823, 122.	4.5	129
4	ATMOSPHERIC CHARACTERIZATION OF THE HOT JUPITER KEPLER-13Ab. <i>Astrophysical Journal</i> , 2014, 788, 92.	4.5	110
5	Phase Curves of WASP-33b and HD 149026b and a New Correlation between Phase Curve Offset and Irradiation Temperature. <i>Astronomical Journal</i> , 2018, 155, 83.	4.7	103
6	3.6 AND 4.5 $\mu$ m PHASE CURVES OF THE HIGHLY IRRADIATED ECCENTRIC HOT JUPITER WASP-14b. <i>Astrophysical Journal</i> , 2015, 811, 122.	4.5	97
7	MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at $\sim 5 \mu$ m. <i>Astronomy and Astrophysics</i> , 2020, 635, A182.	5.1	47
8	THE WATER ABUNDANCE OF THE DIRECTLY IMAGED SUBSTELLAR COMPANION $\tau$ AND b RETRIEVED FROM A NEAR INFRARED SPECTRUM. <i>Astrophysical Journal</i> , 2016, 823, 14.	4.5	45
9	MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at $\sim 5 \mu$ m. <i>Astronomy and Astrophysics</i> , 2020, 644, A13.	5.1	27
10	A SEARCH FOR COMPANIONS TO BROWN DWARFS IN THE TAURUS AND CHAMAELEON STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , 2014, 788, 40.	4.5	26
11	Evidence for disequilibrium chemistry from vertical mixing in hot Jupiter atmospheres. <i>Astronomy and Astrophysics</i> , 2021, 648, A127.	5.1	24
12	High signal-to-noise spectral characterization of the planetary-mass object HD 106906b. <i>Astronomy and Astrophysics</i> , 2017, 608, A71.	5.1	13
13	Ground-based optical transmission spectrum of the hot Jupiter HAT-P-1b. <i>Astronomy and Astrophysics</i> , 2019, 631, A169.	5.1	12
14	Mid-infrared characterization of the planetary-mass companion ROXs 42B b. <i>Astronomy and Astrophysics</i> , 2017, 601, A65.	5.1	7