

# Robert T Zelle

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1219489/publications.pdf>

Version: 2024-02-01

29  
papers

1,656  
citations

430874

18  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1836  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of exoplanet phase curves with Ariel. <i>Experimental Astronomy</i> , 2022, 53, 417-446.	3.7	10
2	A New Analysis of Eight Spitzer Phase Curves and Hot Jupiter Population Trends: Qatar-1b, Qatar-2b, WASP-52b, WASP-34b, and WASP-140b. <i>Astronomical Journal</i> , 2022, 163, 256.	4.7	10
3	A comprehensive reanalysis of <i>Spitzer's</i> 4.5- $\mu$ m phase curves, and the phase variations of the ultra-hot Jupiters MASCARA-1b and KELT-16b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3316-3337.	4.4	28
4	Detection of an Atmosphere on a Rocky Exoplanet. <i>Astronomical Journal</i> , 2021, 161, 213.	4.7	50
5	Disequilibrium Chemistry in Exoplanet Atmospheres Observed with the Hubble Space Telescope. <i>Astronomical Journal</i> , 2021, 162, 37.	4.7	22
6	Evidence for H <sub>2</sub> Dissociation and Recombination Heat Transport in the Atmosphere of KELT-9b. <i>Astrophysical Journal Letters</i> , 2020, 888, L15.	8.3	57
7	The Detectability and Constraints of Biosignature Gases in the Near- and Mid-infrared from Transit Transmission Spectroscopy. <i>Astronomical Journal</i> , 2020, 159, 117.	4.7	23
8	Utilizing Small Telescopes Operated by Citizen Scientists for Transiting Exoplanet Follow-up. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 054401.	3.1	31
9	Evaluating Climate Variability of the Canonical Hot-Jupiters HD 189733b and HD 209458b through Multi-epoch Eclipse Observations. <i>Astronomical Journal</i> , 2020, 159, 51.	4.7	10
10	Constraining Exoplanet Metallicities and Aerosols with the Contribution to ARIEL Spectroscopy of Exoplanets (CASE). <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 094401.	3.1	15
11	Two Terrestrial Planet Families with Different Origins. <i>Astrophysical Journal</i> , 2019, 881, 117.	4.5	14
12	Mass loss from the exoplanet WASP-12b inferred from Spitzer phase curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1995-2013.	4.4	43
13	Ground-based Spectroscopy of the Exoplanet XO-2b Using a Systematic Wavelength Calibration. <i>Astronomical Journal</i> , 2019, 157, 21.	4.7	11
14	A Framework for Prioritizing the <i>TESS</i> Planetary Candidates Most Amenable to Atmospheric Characterization. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114401.	3.1	314
15	The Transiting Exoplanet Community Early Release Science Program for <i>JWST</i> . <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114402.	3.1	100
16	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018, 46, 135-209.	3.7	249
17	Forecasting the Impact of Stellar Activity on Transiting Exoplanet Spectra. <i>Astrophysical Journal</i> , 2017, 844, 27.	4.5	70
18	Quantifying the Impact of Spectral Coverage on the Retrieval of Molecular Abundances from Exoplanet Transmission Spectra. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 104402.	3.1	4

#	ARTICLE	IF	CITATIONS
19	A CHARACTERISTIC TRANSMISSION SPECTRUM DOMINATED BY H <sub>2</sub> O APPLIES TO THE MAJORITY OF HST/WFC3 EXOPLANET OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 823, 109.	4.5	80
20	Ground-based near-UV observations of 15 transiting exoplanets: constraints on their atmospheres and no evidence for asymmetrical transits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 789-819.	4.4	97
21	XO-2b: A HOT JUPITER WITH A VARIABLE HOST STAR THAT POTENTIALLY AFFECTS ITS MEASURED TRANSIT DEPTH. <i>Astrophysical Journal</i> , 2015, 810, 11.	4.5	38
22	THE GROUND-BASED <i>H</i> -, <i>K</i> -, AND <i>L</i> -BAND ABSOLUTE EMISSION SPECTRA OF HD 209458b. <i>Astrophysical Journal</i> , 2014, 796, 48.	4.5	38
23	THE 4.5 $\hat{1}$ / <sub>4</sub> m FULL-ORBIT PHASE CURVE OF THE HOT JUPITER HD 209458b. <i>Astrophysical Journal</i> , 2014, 790, 53.	4.5	152
24	MOA-2010-BLG-311: A PLANETARY CANDIDATE BELOW THE THRESHOLD OF RELIABLE DETECTION. <i>Astrophysical Journal</i> , 2013, 769, 77.	4.5	17
25	Near-UV and optical observations of the transiting exoplanet TrES-3b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 678-690.	4.4	55
26	MOA-2010-BLG-328Lb: A SUB-NEPTUNE ORBITING VERY LATE M DWARF?. <i>Astrophysical Journal</i> , 2013, 779, 91.	4.5	45
27	MOA-2010-BLG-073L: AN M-DWARF WITH A SUBSTELLAR COMPANION AT THE PLANET/BROWN DWARF BOUNDARY. <i>Astrophysical Journal</i> , 2013, 763, 67.	4.5	54
28	Multiband Photometry of the Chromospherically Active & Spotted Binary System IM Pegâ€™ the Guide Star for the Gravity Probe B Mission. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 670-682.	3.1	7
29	<i>Hubble Space Telescope</i> STIS Spectroscopy of the Peculiar Nova-Like Variables BK Lyn, V751 Cygni, and V380 Oph. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 942-951.	3.1	12