

Karen Willacy

List of Publications by Year in descending order

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12
papers

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1040056

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12
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	CARBON ISOTOPE FRACTIONATION IN PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2009, 693, 1360-1378.	4.5	93
2	A NEW ASTROBIOLOGICAL MODEL OF THE ATMOSPHERE OF TITAN. <i>Astrophysical Journal</i> , 2016, 829, 79.	4.5	71
3	PROBING PLANET FORMING ZONES WITH RARE CO ISOTOPOLOGUES. <i>Astrophysical Journal</i> , 2016, 822, 53.	4.5	70
4	Disk Masses around Solar-mass Stars are Underestimated by CO Observations. <i>Astrophysical Journal</i> , 2017, 841, 39.	4.5	37
5	An Ammonia Spectral Map of the L1495-B218 Filaments in the Taurus Molecular Cloud. II. CCS and HC ₇ N Chemistry and Three Modes of Star Formation in the Filaments. <i>Astrophysical Journal</i> , 2019, 871, 134.	4.5	19
6	The Effects of Protostellar Disk Turbulence on CO Emission Lines: A Comparison Study of Disks with Constant CO Abundance versus Chemically Evolving Disks. <i>Astrophysical Journal</i> , 2017, 850, 169.	4.5	13
7	Buildup of Abiotic Oxygen and Ozone in Moist Atmospheres of Temperate Terrestrial Exoplanets and Its Impact on the Spectral Fingerprint in Transit Observations. <i>Astrophysical Journal</i> , 2018, 862, 92.	4.5	13
8	Ionization-driven Depletion and Redistribution of CO in Protoplanetary Disks. <i>Astrophysical Journal Letters</i> , 2018, 868, L37.	8.3	13
9	Linking Atmospheric Chemistry of the Hot Jupiter HD 209458b to Its Formation Location through Infrared Transmission and Emission Spectra. <i>Astrophysical Journal</i> , 2022, 932, 20.	4.5	12
10	Physical and Chemical Structure of the Disk and Envelope of the Class 0/I Protostar L1527. <i>Astrophysical Journal</i> , 2021, 908, 108.	4.5	7
11	Comets in Context: Comparing Comet Compositions with Protosolar Nebula Models. <i>Astrophysical Journal</i> , 2022, 931, 164.	4.5	5
12	Vertical Distribution of Cyclopropenylidene and Propadiene in the Atmosphere of Titan. <i>Astrophysical Journal</i> , 2022, 933, 230.	4.5	3