

Ilsa R Cooke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2802119/publications.pdf>

Version: 2024-02-01

19
papers

695
citations

759233

12
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

748
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of two interstellar polycyclic aromatic hydrocarbons via spectral matched filtering. <i>Science</i> , 2021, 371, 1265-1269.	12.6	236
2	Uranium isotope evidence for two episodes of deoxygenation during Oceanic Anoxic Event 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2918-2923.	7.1	100
3	Discovery of the Pure Polycyclic Aromatic Hydrocarbon Indene (c-C ₉ H ₈) with GOTHAM Observations of TMC-1. <i>Astrophysical Journal Letters</i> , 2021, 913, L18.	8.3	96
4	Benzonitrile as a Proxy for Benzene in the Cold ISM: Low-temperature Rate Coefficients for CN + C ₆ H ₆ . <i>Astrophysical Journal Letters</i> , 2020, 891, L41.	8.3	49
5	Experimental Studies of Gas-Phase Reactivity in Relation to Complex Organic Molecules in Star-Forming Regions. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1109-1134.	2.7	34
6	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 054301.	3.1	26
7	A Search for Heterocycles in GOTHAM Observations of TMC-1. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2716-2728.	2.5	25
8	Reassessing the origin and chronology of the unique achondrite Asuka 881394: Implications for distribution of ²⁶ Al in the early Solar System. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 478-501.	3.9	24
9	CO Diffusion and Desorption Kinetics in CO ₂ Ices. <i>Astrophysical Journal</i> , 2018, 852, 75.	4.5	20
10	CO ₂ INFRARED PHONON MODES IN INTERSTELLAR ICE MIXTURES. <i>Astrophysical Journal</i> , 2016, 832, 5.	4.5	18
11	Kinetic Monte Carlo simulations of water ice porosity: extrapolations of deposition parameters from the laboratory to interstellar space. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5553-5568.	2.8	14
12	Discovery of Interstellar trans-cyanovinylacetylene (HC≡CCH=CHC≡N) and vinylcyanoacetylene (H ₂ C=CHC≡N) in GOTHAM Observations of TMC-1. <i>Astrophysical Journal Letters</i> , 2021, 908, L11.	8.3	13
13	A NEW SOURCE OF CO ₂ IN THE UNIVERSE: A PHOTOACTIVATED ELEY-RIDEAL SURFACE REACTION ON WATER ICES. <i>Astrophysical Journal Letters</i> , 2014, 791, L21.	8.3	10
14	Design and performance of an E-band chirped pulse spectrometer for kinetics applications: OCS + He pressure broadening. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 250, 107001.	2.3	8
15	Collisional excitation of HNC by He found to be stronger than for structural isomer HCN in experiments at the low temperatures of interstellar space. <i>Nature Chemistry</i> , 2022, 14, 811-815.	13.6	8
16	Low Temperature Kinetics of the Reaction Between Methanol and the CN Radical. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9995-10003.	2.5	7
17	Rate Constants of the CN + Toluene Reaction from 15 to 294 K and Interstellar Implications. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7950-7958.	2.5	7
18	Monte Carlo Modeling of Astrophysically-Relevant Temperature-Programmed Desorption Experiments. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 326-329.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Collisional Energy Transfer in Uniform Supersonic Flows. , 2022, , 393-434.		0