

Eamon K Conway

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

251
citations

1307594

7
h-index

1281871

11
g-index

18
all docs

18
docs citations

18
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2020 release of the ExoMol database: Molecular line lists for exoplanet and other hot atmospheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 255, 107228.	2.3	127
2	Calculated line lists for H ₂ 16O and H ₂ 18O with extensive comparisons to theoretical and experimental sources including the HITRAN2016 database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 241, 106711.	2.3	23
3	A highly accurate <i>ab initio</i> dipole moment surface for the ground electronic state of water vapour for spectra extending into the ultraviolet. <i>Journal of Chemical Physics</i> , 2018, 149, 084307.	3.0	22
4	A semi-empirical potential energy surface and line list for H ₂ 16O extending into the near-ultraviolet. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10015-10027.	4.9	17
5	ExoMol line lists XXV: a hot line list for silicon sulphide, SiS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 1520-1527.	4.4	16
6	ExoMol line lists XXXVIII. High-temperature molecular line list of silicon dioxide (SiO ₂). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1927-1933.	4.4	13
7	Spectral calibration of the MethaneAIR instrument. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3737-3753.	3.1	11
8	Use of the complete basis set limit for computing highly accurate <i>ab initio</i> dipole moments. <i>Journal of Chemical Physics</i> , 2020, 152, 024105.	3.0	9
9	Empirical normal intensity distribution for overtone vibrational spectra of triatomic molecules. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 252, 107084.	2.3	6
10	Fitting potential energy and induced dipole surfaces of the van der Waals complex CH ₄ -N ₂ using non-product quadrature grids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18475-18494.	2.8	5
11	Determination of quantum labels based on projections of the total angular momentum on the molecule-fixed axis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 270, 107716.	2.3	2