Erin M Adkins

List of Publications by Year
in descending order

15 papers	361 citations	933447 10 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	329 citing authors

#	Article	IF	Citations
1	Assessment of the precision, bias and numerical correlation of fitted parameters obtained by multi-spectrum fits of the Hartmann-Tran line profile to simulated absorption spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 280, 108100.	2.3	3
2	Near-infrared cavity ring-down spectroscopy measurements of nitrous oxide in the (4200)â†(0000) and (5000)â†(0000) bands. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 262, 107527.	2.3	12
3	Air-broadening in near-infrared carbon dioxide line shapes: Quantifying contributions from O2, N2, and Ar. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 270, 107669.	2.3	4
4	High accuracy spectroscopic parameters of the 1.27 Âµm band of O2 measured with comb-referenced, cavity ring-down spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 270, 107684.	2.3	9
5	Improvement of the spectroscopic parameters of the air- and self-broadened N<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O and CO lines for the HITRAN2020 database applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 271, 107735.	2.3	13
6	Cavity ring-down spectroscopy of CO2 near Î»Â=Â2.06ÂÂµm: Accurate transition intensities for the Orbiting Carbon Observatory-2 (OCO-2) â€œstrong bandâ€• Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 252, 107104.	2.3	18
7	Cavity ring-down spectroscopy of CO near = 2.06 Î¼m: Accurate transition intensities for the Orbiting Carbon Observatory-2 (OCO-2) "strong band". Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 252, .	2.3	0
8	Twenty-Five-Fold Reduction in Measurement Uncertainty for a Molecular Line Intensity. Physical Review Letters, 2019, 123, 043001.	7.8	33
9	Towards a taxonomy of topology for polynuclear aromatic hydrocarbons: linking electronic and molecular structure. Physical Chemistry Chemical Physics, 2017, 19, 28458-28469.	2.8	23
10	Computed electronic structure of polynuclear aromatic hydrocarbon agglomerates. Proceedings of the Combustion Institute, 2017, 36, 957-964.	3.9	39
11	Numerical simulation and parametric sensitivity study of optical band gap in a laminar co-flow ethylene diffusion flame. Combustion and Flame, 2016, 167, 320-334.	5.2	25
12	PAH structure analysis of soot in a non-premixed flame using high-resolution transmission electron microscopy and optical band gap analysis. Combustion and Flame, 2016, 164, 250-258.	5.2	69
13	Extinction measurements for optical band gap determination of soot in a series of nitrogen-diluted ethylene/air non-premixed flames. Physical Chemistry Chemical Physics, 2015, 17, 2686-2695.	2.8	62
14	Species measurements in a nitrogen-diluted, ethylene air diffusion flame using direct sampling mass spectrometry and tunable diode laser absorption spectroscopy. Proceedings of the Combustion Institute, 2015, 35, 3749-3755.	3.9	7
15	Experimental and computational determinations of optical band gaps for PAH and soot in a N2-diluted, ethylene/air non-premixed flame. Proceedings of the Combustion Institute, 2013, 34, 3669-3675.	3.9	44