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	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
2	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
3	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
4	Computed electronic structure of polynuclear aromatic hydrocarbon agglomerates. Proceedings of the Combustion Institute, 2017, 36, 957-964.	3.9	39
5	Twenty-Five-Fold Reduction in Measurement Uncertainty for a Molecular Line Intensity. Physical Review Letters, 2019, 123, 043001.	7.8	33
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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