

# Christopher A Almodovar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/858790/publications.pdf>

Version: 2024-02-01

7  
papers

145  
citations

1684188

5  
h-index

1720034

7  
g-index

7  
all docs

7  
docs citations

7  
times ranked

137  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-bandwidth scanned-wavelength-modulation spectroscopy sensors for temperature and $\text{H}_2\text{O}$ in a rotating detonation engine. Measurement Science and Technology, 2014, 25, 105104.	2.6	66
2	Two-color laser absorption near $5\frac{1}{4}\mu\text{m}$ for temperature and nitric oxide sensing in high-temperature gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 572-581.	2.3	28
3	R-branch line intensities and temperature-dependent line broadening and shift coefficients of the nitric oxide fundamental rovibrational band. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 239, 106612.	2.3	21
4	Laser schlieren study of the thermal decomposition of 2-ethylhexyl-nitrate. Proceedings of the Combustion Institute, 2021, 38, 997-1005.	3.9	12
5	High-pressure, high-temperature optical cell for mid-infrared spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 231, 69-78.	2.3	11
6	Line mixing in the nitric oxide R-branch near $5.2\frac{1}{4}\mu\text{m}$ at high pressures and temperatures: Measurements and empirical modeling using energy gap fitting. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 276, 107935.	2.3	5
7	Line mixing study on the fundamental rovibrational band of nitric oxide near $5.3\frac{1}{4}\mu\text{m}$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 278, 107997.	2.3	2