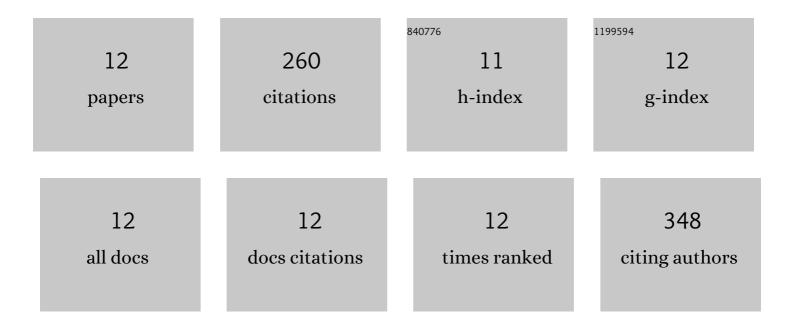
Matthew J Cich

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/902387/publications.pdf Version: 2024-02-01



| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High-resolution, broadly-tunable mid-IR spectroscopy using a continuous wave optical parametric oscillator. Optics Express, 2021, 29, 5295. | 3.4 | 9 |
| 2 | A 90-102 GHz CMOS based pulsed Fourier transform spectrometer: New approaches for <i>in situ</i> chemical detection and millimeter-wave cavity-based molecular spectroscopy. Review of Scientific Instruments, 2018, 89, 073109. | 1.3 | 11 |
| 3 | Speed-dependent Voigt lineshape parameter database from dual frequency comb measurements at temperatures up to 1305†K. Part II: Argon-broadened H2O absorption, 6801–7188Âcmâ^'1. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 189-212. | 2.3 | 12 |
| 4 | Speed-dependent Voigt lineshape parameter database from dual frequency comb measurements up to 1305â∈K. Part I: Pure H2O absorption, 6801–7188Âcmâ^1. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 210, 240-250. | 2.3 | 18 |
| 5 | Multispectrum analysis of the oxygen A-band. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 186, 118-138. | 2.3 | 67 |
| 6 | Broadband, high-resolution investigation of advanced absorption line shapes at high temperature. Physical Review A, 2017, 96, . | 2.5 | 13 |
| 7 | Application of the Hartmann–Tran profile to precise experimental data sets of 12C2H2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 165, 28-37. | 2.3 | 19 |
| 8 | Frequency-comb referenced spectroscopy of v4- and v5-excited hot bands in the 1.5 μm spectrum of C2H2. Journal of Molecular Spectroscopy, 2015, 316, 64-71. | 1.2 | 29 |
| 9 | Temperature-Dependent, Nitrogen-Perturbed Line Shape Measurements in the ν ₁ + ν ₃ Band of Acetylene Using a Diode Laser Referenced to a Frequency Comb. Journal of Physical Chemistry A, 2013, 117, 13908-13918. | 2.5 | 14 |
| 10 | Temperature-dependent pressure broadened line shape measurements in the ν 1+ν 3 band of acetylene using a diode laser referenced to a frequency comb. Applied Physics B: Lasers and Optics, 2012, 109, 373-384. | 2.2 | 21 |
| 11 | Frequency comb-referenced measurements of self- and nitrogen-broadening in the $\hat{l}_{21}+\hat{l}_{23}$ band of acetylene. Journal of Molecular Spectroscopy, 2011, 266, 43-51. | 1.2 | 22 |
| 12 | Enantiomerically selective vapochromic sensing. Sensors and Actuators B: Chemical, 2010, 149, 199-204. | 7.8 | 25 |