# Georges Durry

List of Publications by Year
in descending order



| 24 | 507 | 623734 14 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 387 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Atmospheric CH_4 and H_2O monitoring with near-infrared InGaAs laser diodes by the SDLA, a balloonborne spectrometer for tropospheric and stratospheric in situ measurements. Applied Optics, 1999, 38, 7342. | 2.1 | 64 |
| 2 | Shot-noise-limited dual-beam detector for atmospheric trace-gas monitoring with near-infrared diode lasers. Applied Optics, 2000, 39, 5609. | 2.1 | 41 |
| 3 | In situ measurements of H_2O from a stratospheric balloon by diode laser direct-differential absorption spectroscopy at 139 Âµm. Applied Optics, 2000, 39, 5601. | 2.1 | 37 |
| 4 | New improvements in methane detection using a Helmholtz resonant photoacoustic laser sensor: A comparison between near-IR diode lasers and mid-IR quantum cascade lasers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 1021-1028. | 3.9 | 31 |
| 5 | A complete study of CO2 line parameters around 4845cmâ^'1 for Lidar applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 426-434. | 2.3 | 31 |
| 6 | Title is missing!. Journal of Atmospheric Chemistry, 2002, 43, 175-194. | 3.2 | 30 |
| 7 | Photoacoustic detection of nitric oxide with a Helmholtz resonant quantum cascade laser sensor. Infrared Physics and Technology, 2007, 51, 95-101. | 2.9 | 28 |
| 8 | Laser diode absorption spectroscopy for accurate CO_2 line parameters at 2 Î¼m: consequences for space-based DIAL measurements and potential biases. Applied Optics, 2009, 48, 5475. | 2.1 | 27 |
| 9 | Open multipass absorption cell for in situ monitoring of stratospheric trace gas with telecommunication laser diodes. Applied Optics, 2002, 41, 424. | 2.1 | 25 |
| 10 | Self-broadening coefficients and positions of acetylene around 1.533Î¼m studied by high-resolution diode laser absorption spectrometry. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 2332-2340. | 2.3 | 25 |
| 11 | Balloon-borne near-infrared diode laser spectroscopy for in situ measurements of atmospheric CH4 and H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 1855-1863. | 3.9 | 21 |
| 12 | Tunable diode laser measurement of pressure-induced shift coefficients of CO2 around 2.05 Î¼m for Lidar application. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1411-1419. | 2.3 | 21 |
| 13 | Methodology for Water Monitoring in the Upper Troposphere with Raman Lidar at the Haute-Provence Observatory. Journal of Atmospheric and Oceanic Technology, 2009, 26, 2149-2160. | 1.3 | 20 |
| 14 | A Near-Infrared Diode Laser Spectrometer for the In Situ Measurement of Methane and Water Vapor from Stratospheric Balloons. Journal of Atmospheric and Oceanic Technology, 2001, 18, 1485-1494. | 1.3 | 16 |
| 15 | Self-induced pressure shift and temperature dependence measurements of CO2 at 2.05Î¼m with a tunable diode laser spectrometer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 85, 74-78. | 3.9 | 15 |
| 16 | Quantum cascade laser spectroscopy of N2O in the 7.9Î¼m region for the in situ monitoring of the atmosphere. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1845-1855. | 2.3 | 14 |
| 17 | Diode laser spectroscopy of two acetylene isotopologues (12C2H2, 13C12CH2) in the 1.533Î¼m region for the PHOBOS-Grunt space mission. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 1204-1208. | 3.9 | 13 |
| 18 | Laser diode spectroscopy of the H2O isotopologues in the 2.64Î¼m region for the in situ monitoring of the Martian atmosphere. Infrared Physics and Technology, 2008, 51, 229-235. | 2.9 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Balloon-borne observations of mid-latitude stratospheric water vapour: comparisons with HALOE and MLS satellite data. Journal of Atmospheric Chemistry, 2013, 70, 197-219. | 3.2 | 10 |
| 20 | Inter-comparison of 2Î¼m Heterodyne Differential Absorption Lidar, Laser Diode Spectrometer, LICOR NDIR analyzer and flasks measurements of near-ground atmospheric CO2 mixing ratio. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 71, 1914-1921. | 3.9 | 9 |
| 21 | Intercomparison of in situ water vapor balloon-borne measurements from Pico-SDLA H<sub>2</sub>O and FLASH-B in the tropical UTLS. Atmospheric Measurement Techniques, 2016, 9, 1207-1219. | 3.1 | 7 |
| 22 | In situ measurements of methane in the troposphere and the stratosphere by the Ultra Light SpEctrometer Amulse. Applied Physics B: Lasers and Optics, 2017, 123, 1. | 2.2 | 5 |
| 23 | A singular value decomposition approach for the retrieval of N2O concentrations and fluxes by quantum cascade laser absorption spectroscopy. Applied Physics B: Lasers and Optics, 2012, 108, 933-943. | 2.2 | 4 |
| 24 | Modeling the TTL at Continental Scale for a Wet Season: An Evaluation of the BRAMS Mesoscale Model Using TROâ€Pico Campaign, and Measurements From Airborne and Spaceborne Sensors. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2491-2508. | 3.3 | 2 |