

Zhang Cao

List of Publications by Year in descending order

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9
papers

365
citations

1163117
8
h-index

1474206
9
g-index

9
all docs

9
docs citations

9
times ranked

195
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|-----|-----------|
| 1 | Reconstruction of two-dimensional velocity distribution in scramjet by laser absorption spectroscopy tomography. <i>Applied Optics</i> , 2019, 58, 205. | 1.8 | 23 |
| 2 | Flame monitoring of a model swirl injector using 1D tunable diode laser absorption spectroscopy tomography. <i>Measurement Science and Technology</i> , 2017, 28, 054002. | 2.6 | 27 |
| 3 | Tunable diode laser absorption spectroscopy-based tomography system for on-line monitoring of two-dimensional distributions of temperature and H ₂ O mole fraction. <i>Review of Scientific Instruments</i> , 2016, 87, 013101. | 1.3 | 35 |
| 4 | Development of a fan-beam TDLAS-based tomographic sensor for rapid imaging of temperature and gas concentration. <i>Optics Express</i> , 2015, 23, 22494. | 3.4 | 104 |
| 5 | Resolution-doubled one-dimensional wavelength modulation spectroscopy tomography for flame flatness validation of a flat-flame burner. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 407-416. | 2.2 | 36 |
| 6 | Digital signal processor-based high-precision on-line Voigt lineshape fitting for direct absorption spectroscopy. <i>Review of Scientific Instruments</i> , 2014, 85, 123108. | 1.3 | 14 |
| 7 | Reconstruction of Axisymmetric Temperature and Gas Concentration Distributions by Combining Fan-Beam TDLAS With Onion-Peeling Deconvolution. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014, 63, 3067-3075. | 4.7 | 68 |
| 8 | A high precision method for mapping phase to amplitude in direct digital synthesis and its hardware implementation. <i>Review of Scientific Instruments</i> , 2014, 85, 114704. | 1.3 | 2 |
| 9 | Measurement of nonuniform temperature and concentration distributions by combining line-of-sight tunable diode laser absorption spectroscopy with regularization methods. <i>Applied Optics</i> , 2013, 52, 4827. | 1.8 | 56 |