Zhang Cao

List of Publications by Year
in descending order

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9	365	1163117 8	1474206 9
papers	citations	h-index	g-index

9	9	9	195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a fan-beam TDLAS-based tomographic sensor for rapid imaging of temperature and gas concentration. Optics Express, 2015, 23, 22494.	3.4	104
2	Reconstruction of Axisymmetric Temperature and Gas Concentration Distributions by Combining Fan-Beam TDLAS With Onion-Peeling Deconvolution. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 3067-3075.	4.7	68
3	Measurement of nonuniform temperature and concentration distributions by combining line-of-sight tunable diode laser absorption spectroscopy with regularization methods. Applied Optics, 2013, 52, 4827.	1.8	56
4	Resolution-doubled one-dimensional wavelength modulation spectroscopy tomography for flame flatness validation of a flat-flame burner. Applied Physics B: Lasers and Optics, 2015, 120, 407-416.	2.2	36
5	Tunable diode laser absorption spectroscopy-based tomography system for on-line monitoring of two-dimensional distributions of temperature and H2O mole fraction. Review of Scientific Instruments, 2016, 87, 013101.	1.3	35
6	Flame monitoring of a model swirl injector using 1D tunable diode laser absorption spectroscopy tomography. Measurement Science and Technology, 2017, 28, 054002.	2.6	27
7	Reconstruction of two-dimensional velocity distribution in scramjet by laser absorption spectroscopy tomography. Applied Optics, 2019, 58, 205.	1.8	23
8	Digital signal processor-based high-precision on-line Voigt lineshape fitting for direct absorption spectroscopy. Review of Scientific Instruments, 2014, 85, 123108.	1.3	14
9	A high precision method for mapping phase to amplitude in direct digital synthesis and its hardware implementation. Review of Scientific Instruments, 2014, 85, 114704.	1.3	2