

Wenjiang Xu

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

241
citations

1163117

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h-index

1199594

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12
all docs

12
docs citations

12
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic in a reverse-flow aeroengine model combustor under elevated inlet pressure and temperature using spontaneous Raman. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	2.2	1
2	3D spatial resolution characterization for volumetric computed tomography. <i>AIP Advances</i> , 2022, 12, 035322.	1.3	1
3	Development of learning-based noise reduction and image reconstruction algorithm in two dimensional Rayleigh thermometry. <i>Optik</i> , 2021, 248, 168082.	2.9	4
4	Numerical demonstration of 3D reduced order tomographic flame diagnostics without angle calibration. <i>Optik</i> , 2020, 220, 165198.	2.9	5
5	Super resolution PLIF demonstrated in turbulent jet flows seeded with I2. <i>Optics and Laser Technology</i> , 2018, 101, 216-222.	4.6	12
6	Kilohertz VLIF (volumetric laser induced fluorescence) measurements in a seeded free gas-phase jet in the transitionally turbulent flow regime. <i>Optics and Lasers in Engineering</i> , 2018, 102, 52-58.	3.8	18
7	Analysis of 3D combustion measurements using CH-based tomographic VLIF (volumetric laser induced) Tj ETQq1 1 0,784314,rgBT /Over 5.2 28	5.2	28
8	Single-shot 3D flame diagnostic based on volumetric laser induced fluorescence (VLIF). <i>Proceedings of the Combustion Institute</i> , 2017, 36, 4575-4583.	3.9	64
9	Multi-angular Flame Measurements and Analysis in a Supersonic Wind Tunnel Using Fiber-Based Endoscopes. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	1.1	8
10	Comparison of 2D and 3D flame topography measured by planar laser-induced fluorescence and tomographic chemiluminescence. <i>Applied Optics</i> , 2016, 55, 5310.	2.1	25
11	Single-shot volumetric laser induced fluorescence (VLIF) measurements in turbulent flows seeded with iodine. <i>Optics Express</i> , 2015, 23, 33408.	3.4	59
12	3D flame topography obtained by tomographic chemiluminescence with direct comparison to planar Mie scattering measurements. <i>Applied Optics</i> , 2015, 54, 2174.	1.8	16