

Stefan Schlamp

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

315
citations

932766

10
h-index

887659

17
g-index

25
all docs

25
docs citations

25
times ranked

193
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization of aerosol particles generated by near infrared nano- and femtosecond laser ablation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 20-29.	1.5	67
2	Low-coherence interferometric tip-clearance probe. Optics Letters, 2003, 28, 1323.	1.7	53
3	Laser-induced thermal-acoustic velocimetry with heterodyne detection. Optics Letters, 2000, 25, 224.	1.7	34
4	Expansion phenomena of aerosols generated by laser ablation under helium and argon atmosphere. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 37-41.	1.5	28
5	Beam misalignments and fluid velocities in laser-induced thermal acoustics. Applied Optics, 1999, 38, 5724.	2.1	24
6	Measuring concentrations with laser-induced thermalization and electrostriction gratings. Experiments in Fluids, 2002, 32, 683-688.	1.1	20
7	Accuracy and uncertainty of single-shot, nonresonant laser-induced thermal acoustics. Applied Optics, 2000, 39, 5477.	2.1	16
8	Transient Grating Spectroscopy in a Hot Turbulent Compressible Free Jet. Journal of Propulsion and Power, 2005, 21, 1008-1018.	1.3	14
9	Higher moments of the velocity distribution function in dense-gas shocks. Journal of Computational Physics, 2007, 223, 305-315.	1.9	13
10	Neural network data analysis for laser-induced thermal acoustics. Measurement Science and Technology, 2000, 11, 784-794.	1.4	12
11	Homodyne detection Laser-Induced Thermal Acoustics velocimetry. , 2000, , .		6
12	Flow in near-critical fluids induced by shock and expansion waves. Shock Waves, 2005, 14, 93-101.	1.0	5
13	Incomplete molecular chaos within dense-fluid shock waves. Physical Review E, 2007, 76, 026314.	0.8	5
14	Molecular alignment in a shock wave. Physics of Fluids, 2006, 18, 096101.	1.6	4
15	Sound wave channelling in near-critical sulfur hexafluoride (SF6). Journal of the Acoustical Society of America, 2004, 115, 980-985.	0.5	3
16	Low-coherence self-referencing velocimetry. Optics Letters, 2007, 32, 1247.	1.7	3
17	Non-contact boundary layer profiler using low-coherence self-referencing velocimetry. Experiments in Fluids, 2007, 43, 453-461.	1.1	3
18	Atomistic phenomena in dense fluid shock waves. Shock Waves, 2008, 17, 397-407.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Experimental and Numerical Study of Axisymmetric Supersonic Mixing Free Jets. , 2009, , .		2
20	Experimental Considerations for Laser-Induced Thermal Acoustics in Compressible Turbulent Flows. , 2003, , .		1
21	Error surface topology in the data analysis of laser-induced thermal acoustics signals. Measurement Science and Technology, 2001, 12, 2160-2171.	1.4	0
22	Near-Critical Fluids for Small-Scale Sound Wave Channelling. , 2004, , .		0
23	Shock-Induced Flow in Near-Critical Fluids. , 2004, , .		0
24	Improved Signal Intensity for Transient Grating Spectroscopy Using a PIV Laser. , 2006, , .		0
25	Molecular dynamics of shock waves in dense fluids. , 2009, , 43-50.		0