

# 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  | Experimental and Numerical Study of Axisymmetric Supersonic Mixing Free Jets. , 2009, , .                                                                              |     | 2         |
| 2  | Molecular dynamics of shock waves in dense fluids. , 2009, , 43-50.                                                                                                    |     | 0         |
| 3  | Atomistic phenomena in dense fluid shock waves. Shock Waves, 2008, 17, 397-407.                                                                                        | 1.0 | 2         |
| 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  | Incomplete molecular chaos within dense-fluid shock waves. Physical Review E, 2007, 76, 026314.                                                                        | 0.8 | 5         |
| 6  | Low-coherence self-referencing velocimetry. Optics Letters, 2007, 32, 1247.                                                                                            | 1.7 | 3         |
| 7  | 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        |
| 8  | Higher moments of the velocity distribution function in dense-gas shocks. Journal of Computational Physics, 2007, 223, 305-315.                                        | 1.9 | 13        |
| 9  | Non-contact boundary layer profiler using low-coherence self-referencing velocimetry. Experiments in Fluids, 2007, 43, 453-461.                                        | 1.1 | 3         |
| 10 | Improved Signal Intensity for Transient Grating Spectroscopy Using a PIV Laser. , 2006, , .                                                                            |     | 0         |
| 11 | Molecular alignment in a shock wave. Physics of Fluids, 2006, 18, 096101.                                                                                              | 1.6 | 4         |
| 12 | Flow in near-critical fluids induced by shock and expansion waves. Shock Waves, 2005, 14, 93-101.                                                                      | 1.0 | 5         |
| 13 | Transient Grating Spectroscopy in a Hot Turbulent Compressible Free Jet. Journal of Propulsion and Power, 2005, 21, 1008-1018.                                         | 1.3 | 14        |
| 14 | Sound wave channelling in near-critical sulfur hexafluoride (SF6). Journal of the Acoustical Society of America, 2004, 115, 980-985.                                   | 0.5 | 3         |
| 15 | Near-Critical Fluids for Small-Scale Sound Wave Channelling. , 2004, , .                                                                                               |     | 0         |
| 16 | Shock-Induced Flow in Near-Critical Fluids. , 2004, , .                                                                                                                |     | 0         |
| 17 | Low-coherence interferometric tip-clearance probe. Optics Letters, 2003, 28, 1323.                                                                                     | 1.7 | 53        |
| 18 | Experimental Considerations for Laser-Induced Thermal Acoustics in Compressible Turbulent Flows. , 2003, , .                                                           |     | 1         |

| #  | ARTICLE                                                                                                                                          | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Measuring concentrations with laser-induced thermalization and electrostriction gratings. Experiments in Fluids, 2002, 32, 683-688.              | 1.1 | 20        |
| 20 | Error surface topology in the data analysis of laser-induced thermal acoustics signals. Measurement Science and Technology, 2001, 12, 2160-2171. | 1.4 | 0         |
| 21 | Accuracy and uncertainty of single-shot, nonresonant laser-induced thermal acoustics. Applied Optics, 2000, 39, 5477.                            | 2.1 | 16        |
| 22 | Laser-induced thermal-acoustic velocimetry with heterodyne detection. Optics Letters, 2000, 25, 224.                                             | 1.7 | 34        |
| 23 | Neural network data analysis for laser-induced thermal acoustics. Measurement Science and Technology, 2000, 11, 784-794.                         | 1.4 | 12        |
| 24 | Homodyne detection Laser-Induced Thermal Acoustics velocimetry. , 2000, , .                                                                      |     | 6         |
| 25 | Beam misalignments and fluid velocities in laser-induced thermal acoustics. Applied Optics, 1999, 38, 5724.                                      | 2.1 | 24        |