

Aman Satija

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

181
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a combined pure rotational and vibrational coherent anti-Stokes Raman scattering system. <i>Optics Letters</i> , 2013, 38, 1340.	3.3	26
2	Simultaneous CO concentration and temperature measurements using tunable diode laser absorption spectroscopy near 2.3 μ m. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 7-18.	2.2	24
3	Dual-pump vibrational CARS measurements of temperature and species concentrations in turbulent premixed flames with CO ₂ addition. <i>Combustion and Flame</i> , 2017, 181, 239-250.	5.2	22
4	Ignition and combustion characterization of single nitromethane and isopropyl nitrate monopropellant droplets under high-temperature and quasi-steady conditions. <i>Combustion and Flame</i> , 2020, 212, 295-308.	5.2	17
5	Investigation of Gas Heating by Nanosecond Repetitively Pulsed Glow Discharges Used for Actuation of a Laminar Methane-Air Flame. <i>Combustion Science and Technology</i> , 2017, 189, 2012-2022.	2.3	14
6	Technique developments and performance analysis of chirped-probe-pulse femtosecond coherent anti-Stokes Raman scattering combustion thermometry. <i>Applied Optics</i> , 2017, 56, 8797.	1.8	14
7	Vibrational CARS thermometry and one-dimensional numerical simulations in CH ₄ /H ₂ /air partially-premixed flames. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6959-6969.	7.1	13
8	CARS thermometry in laminar sooting ethylene-air co-flow diffusion flames with nitrogen dilution. <i>Combustion and Flame</i> , 2019, 208, 37-44.	5.2	12
9	Spectrally filtered ps emission dynamics of atmospheric-pressure nanosecond pulsed plasmas. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	11
10	High dynamic range thermometry at 5%kHz in hydrogen-air diffusion flame using chirped-probe-pulse femtosecond coherent anti-Stokes Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 177-188.	2.5	10
11	Vibrational CARS thermometry and one-dimensional simulations in laminar H ₂ /air counter-flow diffusion flames. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10662-10672.	7.1	8
12	Impact of moderate pump-Stokes chirp on femtosecond coherent anti-Stokes Raman scattering spectra. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 115-124.	2.5	8
13	Pure rotational coherent anti-Stokes Raman scattering spectroscopy of nitric oxide: Determination of Raman tensor invariants. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 807-828.	2.5	2
14	Dual-Broadband Coherent anti-Stokes Raman Scattering for Investigating Pure Rotational Raman Spectra of Nitric Oxide. , 2019, , .		0
15	Simultaneous Temperature and Pressure Measurements in Compressible Flow Using Nanosecond O ₂ CARS. <i>Applied Spectroscopy</i> , 2022, , 000370282210815.	2.2	0