Aman Satija

List of Publications by Year
in descending order

15	181	933447 10	1125743 13
papers	citations	h-index	g-index

15	15	15	164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectrally filtered psâ€“ns emission dynamics of atmospheric-pressure nanosecond pulsed plasmas. Applied Physics Letters, 2022, 120, .	3.3	11
2	Simultaneous Temperature and Pressure Measurements in Compressible Flow Using Nanosecond O₂ CARS. Applied Spectroscopy, 2022, , 000370282210815.	2.2	0
3	Impact of moderate pumpâ€“Stokes chirp on femtosecond coherent antiâ€Stokes Raman scattering spectra. Journal of Raman Spectroscopy, 2020, 51, 115-124.	2.5	8
4	Ignition and combustion characterization of single nitromethane and isopropyl nitrate monopropellant droplets under high-temperature and quasi-steady conditions. Combustion and Flame, 2020, 212, 295-308.	5.2	17
5	Pure rotational coherent antiâ€Stokes Raman scattering spectroscopy of nitric oxide: Determination of Raman tensor invariants. Journal of Raman Spectroscopy, 2020, 51, 807-828.	2.5	2
6	CARS thermometry in laminar sooting ethylene-air co-flow diffusion flames with nitrogen dilution. Combustion and Flame, 2019, 208, 37-44.	5.2	12
7	Dual-Broadband Coherent anti-Stokes Raman Scattering for Investigating Pure Rotational Raman Spectra of Nitric Oxide. , 2019, , .		0
8	Dual-pump vibrational CARS measurements of temperature and species concentrations in turbulent premixed flames with CO2 addition. Combustion and Flame, 2017, 181, 239-250.	5.2	22
9	Investigation of Gas Heating by Nanosecond Repetitively Pulsed Glow Discharges Used for Actuation of a Laminar Methane-Air Flame. Combustion Science and Technology, 2017, 189, 2012-2022.	2.3	14
10	Technique developments and performance analysis of chirped-probe-pulse femtosecond coherent anti-Stokes Raman scattering combustion thermometry. Applied Optics, 2017, 56, 8797.	1.8	14
11	High dynamic range thermometry at 5â€‰kHz in hydrogenâ€“air diffusion flame using chirpedâ€probeâ€pulse femtosecond coherent antiâ€stokes Raman scattering. Journal of Raman Spectroscopy, 2016, 47, 177-188.	2.5	10
12	Vibrational CARS thermometry and one-dimensional numerical simulations in CH4/H2/air partially-premixed flames. International Journal of Hydrogen Energy, 2015, 40, 6959-6969.	7.1	13
13	Vibrational CARS thermometry and one-dimensional simulations in laminar H 2 /air counter-flow diffusion flames. International Journal of Hydrogen Energy, 2015, 40, 10662-10672.	7.1	8
14	Simultaneous CO concentration and temperature measurements using tunable diode laser absorption spectroscopy near 2.3ÂÎ¼m. Applied Physics B: Lasers and Optics, 2014, 117, 7-18.	2.2	24
15	Development of a combined pure rotational and vibrational coherent anti-Stokes Raman scattering system. Optics Letters, 2013, 38, 1340.	3.3	26