

Yogeshwar Nath Mishra

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

391
citations

759233

12
h-index

752698

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20
all docs

20
docs citations

20
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliable LIF/Mie droplet sizing in sprays using structured laser illumination planar imaging. Optics Express, 2014, 22, 4480.	3.4	57
2	Nano-enhanced organic form stable PCMs for medium temperature solar thermal energy harvesting: Recent progresses, challenges, and opportunities. Renewable and Sustainable Energy Reviews, 2022, 161, 112321.	16.4	57
3	Comparison between two-phase and one-phase SLIPI for instantaneous imaging of transient sprays. Experiments in Fluids, 2017, 58, 1.	2.4	40
4	Thermometry in aqueous solutions and sprays using two-color LIF and structured illumination. Optics Express, 2016, 24, 4949.	3.4	35
5	Two-phase SLIPI for instantaneous LIF and Mie imaging of transient fuel sprays. Optics Letters, 2016, 41, 5422.	3.3	31
6	3D mapping of droplet Sauter mean diameter in sprays. Applied Optics, 2019, 58, 3775.	1.8	24
7	Analysis of LIF and Mie signals from single micrometric droplets for instantaneous droplet sizing in sprays. Optics Express, 2018, 26, 31750.	3.4	19
8	Analysis of ethanol and butanol direct-injection spark-ignition sprays using two-phase structured laser illumination planar imaging droplet sizing. International Journal of Spray and Combustion Dynamics, 2019, 11, 175682771877249.	1.0	15
9	Investigation of Five Organic Dyes in Ethanol and Butanol for Two-Color Laser-Induced Fluorescence Ratio Thermometry. Optics, 2020, 1, 1-17.	1.2	15
10	Characterization of fuel/water mixtures and emulsions with ethanol using laser-induced fluorescence. Applied Optics, 2020, 59, 1136.	1.8	15
11	Binary composite (TiO ₂ -Gr) based nano-enhanced organic phase change material: Effect on thermophysical properties. Journal of Energy Storage, 2022, 51, 104526.	8.1	15
12	Application of SLIPI-Based Techniques for Droplet Size, Concentration, and Liquid Volume Fraction Mapping in Sprays. Applied Sciences (Switzerland), 2020, 10, 1369.	2.5	13
13	Trapping and two-photon fluorescence excitation of microscopic objects using ultrafast single-fiber optical tweezers. Journal of Biomedical Optics, 2011, 16, 1.	2.6	12
14	Periodic and aperiodic tumbling of microrods advected in a microchannel flow. Acta Mechanica, 2013, 224, 2281-2289.	2.1	11
15	Planar droplet sizing for studying the influence of ethanol admixture on the spray structure of gasoline sprays. Experiments in Fluids, 2020, 61, 1.	2.4	10
16	Oxidant generation in the ice under electron irradiation: Simulation and application to Europa. Icarus, 2022, 373, 114760.	2.5	6
17	Application of FRAME for Simultaneous LIF and LII Imaging in Sooting Flames Using a Single Camera. Sensors, 2020, 20, 5534.	3.8	5
18	Modes of atomization in biofuel droplets induced by a focused laser pulse. Fuel, 2022, 315, 123190.	6.4	5

#	ARTICLE	IF	CITATIONS
19	LINEAR AND NONLINEAR OPTICAL PROPERTIES OF SILVER NANOPARTICLES STABILIZED BY BOVINE SERUM ALBUMIN. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2011, 20, 75-83.	1.8	3
20	3D mapping of polycyclic aromatic hydrocarbons, hydroxyl radicals, and soot volume fraction in sooting flames using FRAME technique. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	2.2	3