Yogeshwar Nath Mishra

List of Publications by Year
in descending order

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20 papers	391 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	178 citing authors

#	Article	IF	Citations
1	Oxidant generation in the ice under electron irradiation: Simulation and application to Europa. Icarus, 2022, 373, 114760.	2.5	6
2	Modes of atomization in biofuel droplets induced by a focused laser pulse. Fuel, 2022, 315, 123190.	6.4	5
3	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
4	Binary composite (TiO2-Gr) based nano-enhanced organic phase change material: Effect on thermophysical properties. Journal of Energy Storage, 2022, 51, 104526.	8.1	15
5	3D mapping of polycyclic aromatic hydrocarbons, hydroxyl radicals, and soot volume fraction in sooting flames using FRAME technique. Applied Physics B: Lasers and Optics, 2021, 127, 1.	2.2	3
6	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
7	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
8	Application of FRAME for Simultaneous LIF and LII Imaging in Sooting Flames Using a Single Camera. Sensors, 2020, 20, 5534.	3.8	5
9	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
10	Characterization of fuel/water mixtures and emulsions with ethanol using laser-induced fluorescence. Applied Optics, 2020, 59, 1136.	1.8	15
11	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
12	3D mapping of droplet Sauter mean diameter in sprays. Applied Optics, 2019, 58, 3775.	1.8	24
13	Analysis of LIF and Mie signals from single micrometric droplets for instantaneous droplet sizing in sprays. Optics Express, 2018, 26, 31750.	3.4	19
14	Comparison between two-phase and one-phase SLIPI for instantaneous imaging of transient sprays. Experiments in Fluids, 2017, 58, 1.	2.4	40
15	Two-phase SLIPI for instantaneous LIF and Mie imaging of transient fuel sprays. Optics Letters, 2016, 41, 5422.	3.3	31
16	Thermometry in aqueous solutions and sprays using two-color LIF and structured illumination. Optics Express, 2016, 24, 4949.	3.4	35
17	Reliable LIF/Mie droplet sizing in sprays using structured laser illumination planar imaging. Optics Express, 2014, 22, 4480.	3.4	57
18	Periodic and aperiodic tumbling of microrods advected in a microchannel flow. Acta Mechanica, 2013, 224, 2281-2289.	2.1	11

#	Article	IF	Citations
19	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
20	LINEAR AND NONLINEAR OPTICAL PROPERTIES OF SILVER NANOPARTICLES STABILIZED BY BOVINE SERUM ALBUMIN. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 75-83.	1.8	3