

Pankaj S Kolhe

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

395
citations

687363

13
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared Signatures of Low-Flying Aircraft and Their Rear Fuselage Skin's Emissivity Optimization. <i>Journal of Aircraft</i> , 2006, 43, 226-232.	2.4	57
2	Abel inversion of deflectometric data: comparison of accuracy and noise propagation of existing techniques. <i>Applied Optics</i> , 2009, 48, 3894.	2.1	48
3	Density Measurements in a Supersonic Microjet Using Miniature Rainbow Schlieren Deflectometry. <i>AAA Journal</i> , 2009, 47, 830-838.	2.6	33
4	Deformation and breakup of droplets in an oblique continuous air stream. <i>International Journal of Multiphase Flow</i> , 2020, 122, 103141.	3.4	32
5	Coalescence of drops on the free-surface of a liquid pool at elevated temperatures. <i>Physics of Fluids</i> , 2020, 32, .	4.0	24
6	Skin-Temperature Prediction of Aircraft Rear Fuselage with Multimode Thermal Model. <i>Journal of Thermophysics and Heat Transfer</i> , 2005, 19, 114-124.	1.6	22
7	An experimental and kinetic modeling study of gasoline/lemon peel oil blends for PFI engine. <i>Fuel</i> , 2020, 267, 117189.	6.4	22
8	Lemon peel oil as an alternative fuel for GDI engines: A spray characterization perspective. <i>Renewable Energy</i> , 2019, 142, 249-263.	8.9	21
9	A combined experimental and computational study of flow-blurring atomization in a twin-fluid atomizer. <i>European Journal of Mechanics, B/Fluids</i> , 2020, 84, 528-541.	2.5	19
10	Liquid jet breakup and spray formation with annular swirl air. <i>International Journal of Multiphase Flow</i> , 2021, 134, 103474.	3.4	19
11	Effects of using ternary gasoline-ethanol-LPO blend on PFI engine performance and emissions. <i>Fuel</i> , 2020, 281, 118664.	6.4	18
12	Miniature rainbow schlieren deflectometry system for quantitative measurements in microjets and flames. <i>Applied Optics</i> , 2007, 46, 2954.	2.1	14
13	Analytical estimation of solid angle subtended by complex well-resolved surfaces for infrared detection studies. <i>Applied Optics</i> , 2007, 46, 4991.	2.1	14
14	An experimental investigation of droplet morphology in swirl flow. <i>Journal of Fluid Mechanics</i> , 2022, 938, .	3.4	12
15	Experimental study of buoyancy-induced instability in the DME and LPC jet diffusion flame. <i>Fuel</i> , 2021, 291, 120173.	6.4	8
16	Experimental Study of Liquid Spray Mode of Twin Fluid Atomizer Using Optical Diagnostic Tool. <i>Flow, Turbulence and Combustion</i> , 2021, 106, 261-289.	2.6	7
17	Experimental investigation into flow blurring atomization. <i>Experimental Thermal and Fluid Science</i> , 2021, 120, 110240.	2.7	7
18	A novel spectral analysis algorithm to obtain local scalar field statistics from line-of-sight measurements in turbulent flows. <i>Measurement Science and Technology</i> , 2009, 20, 115402.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Investigation of the Cross-beam Correlation Algorithm to Reconstruct Local Field Statistics from Line-of-sight Measurements in Turbulent Flows. <i>Flow, Turbulence and Combustion</i> , 2010, 84, 617-638.	2.6	4
20	Measurements in a Combustor Operated on Alternative Liquid Fuels. , 2012, , .		3
21	Frequency analysis of oblique shock wave boundary layer interaction. , 2017, , .		2
22	Role of Buoyancy Induced Vortices in a Coupled-Mode of Oscillation in Laminar and Turbulent Jet Diffusion Flames. <i>Flow, Turbulence and Combustion</i> , 2022, 108, 1069-1087.	2.6	2
23	Turbulence Measurements for Numerical Validation Acquired by Ultra High-speed Rainbow Schlieren Deflectometry. , 2014, , .		1
24	Spray Flame Characteristics of Bio-Derived Fuels in a Simulated Gas Turbine Burner. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	1.1	1
25	Spray Flame Characteristics of Bio-Derived Fuels in a Simulated Gas Turbine Burner. , 2019, , .		1
26	Study of shock wave boundary layer interaction using modal decomposition. , 2018, , .		0
27	Effect of Strain Rate on Diffusion Flame Structure and Relationship in Scalar Fields. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 413-421.	0.4	0