

Pankaj S Kolhe

List of Publications by Year in descending order

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27
papers

395
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687363

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docs citations

32
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239
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	An experimental investigation of droplet morphology in swirl flow. <i>Journal of Fluid Mechanics</i> , 2022, 938, .	3.4	12
3	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
4	Liquid jet breakup and spray formation with annular swirl air. <i>International Journal of Multiphase Flow</i> , 2021, 134, 103474.	3.4	19
5	Experimental investigation into flow blurring atomization. <i>Experimental Thermal and Fluid Science</i> , 2021, 120, 110240.	2.7	7
6	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
7	Experimental study of buoyancy-induced instability in the DME and LPG jet diffusion flame. <i>Fuel</i> , 2021, 291, 120173.	6.4	8
8	Deformation and breakup of droplets in an oblique continuous air stream. <i>International Journal of Multiphase Flow</i> , 2020, 122, 103141.	3.4	32
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	Effects of using ternary gasoline-ethanol-LPO blend on PFI engine performance and emissions. <i>Fuel</i> , 2020, 281, 118664.	6.4	18
11	Coalescence of drops on the free-surface of a liquid pool at elevated temperatures. <i>Physics of Fluids</i> , 2020, 32, .	4.0	24
12	An experimental and kinetic modeling study of gasoline/lemon peel oil blends for PFI engine. <i>Fuel</i> , 2020, 267, 117189.	6.4	22
13	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
14	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
15	Spray Flame Characteristics of Bio-Derived Fuels in a Simulated Gas Turbine Burner. , 2019, , .		1
16	Study of shock wave boundary layer interaction using modal decomposition. , 2018, , .		0
17	Frequency analysis of oblique shock wave boundary layer interaction. , 2017, , .		2
18	Turbulence Measurements for Numerical Validation Acquired by Ultra High-speed Rainbow Schlieren Deflectometry. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Measurements in a Combustor Operated on Alternative Liquid Fuels. , 2012, , .		3
20	Investigation of the Cross-beam Correlation Algorithm to Reconstruct Local Field Statistics from Line-of-sight Measurements in Turbulent Flows. Flow, Turbulence and Combustion, 2010, 84, 617-638.	2.6	4
21	Density Measurements in a Supersonic Microjet Using Miniature Rainbow Schlieren Deflectometry. AIAA Journal, 2009, 47, 830-838.	2.6	33
22	A novel spectral analysis algorithm to obtain local scalar field statistics from line-of-sight measurements in turbulent flows. Measurement Science and Technology, 2009, 20, 115402.	2.6	4
23	Abel inversion of deflectometric data: comparison of accuracy and noise propagation of existing techniques. Applied Optics, 2009, 48, 3894.	2.1	48
24	Miniature rainbow schlieren deflectometry system for quantitative measurements in microjets and flames. Applied Optics, 2007, 46, 2954.	2.1	14
25	Analytical estimation of solid angle subtended by complex well-resolved surfaces for infrared detection studies. Applied Optics, 2007, 46, 4991.	2.1	14
26	Infrared Signatures of Low-Flying Aircraft and Their Rear Fuselage Skin's Emissivity Optimization. Journal of Aircraft, 2006, 43, 226-232.	2.4	57
27	Skin-Temperature Prediction of Aircraft Rear Fuselage with Multimode Thermal Model. Journal of Thermophysics and Heat Transfer, 2005, 19, 114-124.	1.6	22