

Kaushal Nishad

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Entropy Generation Analysis and Thermodynamic Optimization of Jet Impingement Cooling Using Large Eddy Simulation. <i>Entropy</i> , 2019, 21, 129.	2.2	24
2	Evaluating large eddy simulation results based on error analysis. <i>Theoretical and Computational Fluid Dynamics</i> , 2018, 32, 733-752.	2.2	23
3	Analysis of spray dynamics of urea-water-solution jets in a SCR-DeNOx system: An LES based study. <i>International Journal of Heat and Fluid Flow</i> , 2018, 70, 247-258.	2.4	22
4	Near-Wall Thermal Processes in an Inclined Impinging Jet: Analysis of Heat Transport and Entropy Generation Mechanisms. <i>Energies</i> , 2018, 11, 1354.	3.1	22
5	Numerical Investigation of AdBlue Droplet Evaporation and Thermal Decomposition in the Context of NOx-SCR Using a Multi-Component Evaporation Model. <i>Energies</i> , 2018, 11, 222.	3.1	22
6	Application of LES for Analysis of Unsteady Effects on Combustion Processes and Misfires in DISI Engine. <i>Oil and Gas Science and Technology</i> , 2014, 69, 129-140.	1.4	13
7	Numerical Investigation of Flow through a Valve during Charge Intake in a DISI -Engine Using Large Eddy Simulation. <i>Energies</i> , 2019, 12, 2620.	3.1	13
8	Database of Near-Wall Turbulent Flow Properties of a Jet Impinging on a Solid Surface under Different Inclination Angles. <i>Fluids</i> , 2018, 3, 5.	1.7	12
9	Experimental Investigation of AdBlue Film Formation in a Generic SCR Test Bench and Numerical Analysis Using LES. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6907.	2.5	11
10	Non-equilibrium wall functions for large Eddy simulations of complex turbulent flows and heat transfer. <i>International Journal of Heat and Fluid Flow</i> , 2021, 88, 108758.	2.4	10
11	Thermal Decomposition of a Single AdBlue® Droplet Including Wall Film Formation in Turbulent Cross-Flow in an SCR System. <i>Energies</i> , 2019, 12, 2600.	3.1	8
12	Effect Chain Analysis of Supercritical Fuel Disintegration Processes Using an LES-based Entropy Generation Analysis. <i>Combustion Science and Technology</i> , 2020, 192, 2171-2188.	2.3	7
13	LES Based Modeling and Simulation of Spray Dynamics including Gasoline Direct Injection (GDI) Processes using KIVA-4 Code. , 0, , .		5
14	Predictions of Conjugate Heat Transfer in Turbulent Channel Flow Using Advanced Wall-Modeled Large Eddy Simulation Techniques. <i>Entropy</i> , 2021, 23, 725.	2.2	5
15	Analysis of Local Exergy Losses in Combustion Systems Using a Hybrid Filtered Eulerian Stochastic Field Coupled with Detailed Chemistry Tabulation: Cases of Flames D and E. <i>Energies</i> , 2021, 14, 6315.	3.1	5
16	The Exergy Losses Analysis in Adiabatic Combustion Systems including the Exhaust Gas Exergy. <i>Entropy</i> , 2022, 24, 564.	2.2	4
17	A Wall-Adapted Anisotropic Heat Flux Model for Large Eddy Simulations of Complex Turbulent Thermal Flows. <i>Flow, Turbulence and Combustion</i> , 2021, 106, 733-752.	2.6	3
18	Prediction of Heat Transfer and Fluid Flow Effects on Entropy Generation in a Monolithic Catalytic Converter Using Large-Eddy Simulation. <i>Entropy</i> , 2022, 24, 602.	2.2	3