

Krishna Murari Pandey

List of Publications by Year in descending order

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times ranked

1484
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural and Mechanical Properties of Microwave Sintered AA7075/Graphite/SiC Hybrid Composite Fabricated by Powder Metallurgy Techniques. Silicon, 2022, 14, 5179-5189.	3.3	22
2	Numerical investigation of thermo-hydraulic transport characteristics of two-dimensional, steady flow through partially porous wavy channel. Numerical Heat Transfer; Part A: Applications, 2022, 81, 31-47.	2.1	9
3	Development and Assessment of Beeswax/Expanded Graphite Composite Phase Change Material for Thermal Energy Storage. Arabian Journal for Science and Engineering, 2022, 47, 8985-9004.	3.0	12
4	Effect of Variations in Microwave Processing Temperatures on Microstructural and Mechanical Properties of AA7075/SiC/Graphite Hybrid Composite Fabricated by Powder Metallurgy Techniques. Silicon, 2022, 14, 7831-7847.	3.3	10
5	Triggering the Splitting Dynamics of Low-Viscous Fingers through Surface Wettability Inside Bifurcating Channel. Mathematical Problems in Engineering, 2022, 2022, 1-14.	1.1	4
6	Analysis of Heat Transfer Rate for Different Annulus Shape Properties-Enhanced Beeswax-Based Phase Change Material for Thermal Energy Storage. Mathematical Problems in Engineering, 2022, 2022, 1-21.	1.1	7
7	Property-enhanced paraffin-based composite phase change material for thermal energy storage: a review. Environmental Science and Pollution Research, 2022, 29, 43556-43587.	5.3	21
8	Performance Enhancement of Double-Layer Microchannel Heat Sink by Employing Dimples and Protrusions on Channel Sidewalls. Mathematical Problems in Engineering, 2022, 2022, 1-25.	1.1	5
9	Assessing the Effects of Employee Stress on Job Performance in Manufacturing Industry. , 2022, , .		0
10	Numerical investigation on the effect of variation of upper wall divergence angle of parallel fuel injection scramjet combustor performance. International Journal of Thermofluids, 2022, 15, 100179.	7.8	3
11	The numerical investigation of combustion performance of scramjet combustor with variation in angle of attack. Results in Engineering, 2022, 15, 100507.	5.1	1
12	Numerical analysis of detonation combustion wave in pulse detonation combustor with modified ejector with gaseous and liquid fuel mixture. Journal of Thermal Analysis and Calorimetry, 2021, 145, 3243-3254.	3.6	14
13	Computational investigation of mixing performance on the effects of innovative transverse fuel injection system in parallel fuel injection based scramjet combustor. Materials Today: Proceedings, 2021, 38, 2452-2456.	1.8	8
14	Effect of transverse fuel injection system on combustion efficiency in scramjet combustor. Energy, 2021, 218, 119511.	8.8	21
15	Implication of geometrical configuration of cavity on combustion performance in a strut-based scramjet combustor. Acta Astronautica, 2021, 178, 793-804.	3.2	25
16	Numerical investigation of immiscible Liquid-Liquid displacement in Hele-Shaw cell. Materials Today: Proceedings, 2021, 45, 7151-7155.	1.8	9
17	Recent advances in development of supersonic efficient combustors. Materials Today: Proceedings, 2021, 45, 6889-6894.	1.8	0
18	Property alterations for fiber matrix composites using numerous surface treatments – A review. Materials Today: Proceedings, 2021, 45, 7156-7161.	1.8	0

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19	Numerical study on double layered micro channel heat sink with partly diverged channel in top layer. <i>Materials Today: Proceedings</i> , 2021, 45, 6542-6546.	1.8	8
20	Performance Analysis of a Scramjet Combustor with Cavity for Mach Numbers 3.0, 3.25 and 3.50 with Hydrogen as a Fuel. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 919-929.	0.4	4
21	Radial Basis Function Based Probabilistic Buckling Behavior of Sandwich Plates. <i>Springer Proceedings in Mathematics and Statistics</i> , 2021, , 3-11.	0.2	0
22	A brief review on the recent advancement in the field of jet engine - scramjet engine. <i>Materials Today: Proceedings</i> , 2021, 45, 6857-6863.	1.8	17
23	Effect of operating parameters on application based performance analysis of PDC: A recent review. <i>Materials Today: Proceedings</i> , 2021, 45, 6702-6707.	1.8	4
24	The performance of a scramjet combustor with cavity for Mach numbers 2.25, 2.52 and 2.75 with hydrogen as a fuel. <i>Materials Today: Proceedings</i> , 2021, 45, 6615-6622.	1.8	4
25	Numerical investigation on the impact of protrusions mounted on sidewalls of double layered micro channel heat sink. <i>Materials Today: Proceedings</i> , 2021, 45, 7001-7005.	1.8	5
26	Design and static analysis of landing gear shock absorber of commercial aircraft. <i>Materials Today: Proceedings</i> , 2021, 45, 6712-6717.	1.8	4
27	Study of Fuel Injection Systems in Scramjet Engine – A Review. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 931-940.	0.4	6
28	The recent development of supersonic combustion ramjet engines for augmentation of the mixing performance and improvement in combustion Efficiency: A review. <i>Materials Today: Proceedings</i> , 2021, 45, 7058-7062.	1.8	5
29	Effect of wall cavity with combined fuel injection technique in scramjet combustor with CFD. <i>Materials Today: Proceedings</i> , 2021, 45, 6609-6614.	1.8	4
30	Effect of a revolved wedge strut induced mixing enhancement for a hydrogen fueled scramjet combustor. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13340-13352.	7.1	30
31	APPLICATION POTENTIAL OF RESPONSE SURFACE METHOD ON ELECTRO DISCHARGE MACHINING OF AA6061 – CENOSPHERE AMCs PREPARED BY COMPOCASTING METHOD. <i>Surface Review and Letters</i> , 2021, 28, 2150056.	1.1	0
32	Effect of wave shift of porous slab on thermo-hydraulic transport characteristics of laminar flow through a wavy channel. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	4
33	Effect of microwave sintering on the microstructure and mechanical properties of AA7075/B4C/ZrC hybrid nano composite fabricated by powder metallurgy techniques. <i>Ceramics International</i> , 2021, 47, 32610-32618.	4.8	36
34	Numerical Investigation on the Effect of Inflow Mach Numbers on the Combustion Characteristics of a Typical Cavity-Based Supersonic Combustor. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	1.1	5
35	Implication of self-throttling on combustion performance in a strut-based scramjet combustor. <i>Acta Astronautica</i> , 2021, 186, 228-241.	3.2	7
36	Hydrogen fueled scramjet combustor with a wavy-wall double strut fuel injector. <i>Fuel</i> , 2021, 304, 121425.	6.4	30

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37	A review on latest development in heat transfer through porous media in combination with nanofluids and wavy walls. <i>Materials Today: Proceedings</i> , 2021, 45, 7171-7175.	1.8	3
38	Computational investigation to study the effect of a hybrid hydrogen fuelled scramjet combustor on different inlet boundary conditions. <i>Materials Today: Proceedings</i> , 2021, 45, 6774-6782.	1.8	5
39	Numerical analysis of plasma combustion in scramjet engine-A review. <i>Materials Today: Proceedings</i> , 2021, 45, 6838-6851.	1.8	3
40	A review on the flame holding mechanisms used for the development of scramjet engines. <i>Materials Today: Proceedings</i> , 2021, 45, 7023-7030.	1.8	3
41	Characterization of Boron Carbide (B4C) particle reinforced aluminium metal matrix composites fabricated by powder metallurgy techniques – A review. <i>Materials Today: Proceedings</i> , 2021, 45, 6882-6888.	1.8	20
42	Recent developments in technological innovations in scramjet engines: A review. <i>Materials Today: Proceedings</i> , 2021, 45, 6874-6881.	1.8	6
43	Analysis on Development of Beeswax as Phase Change Material for Thermal Energy Storage. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 379-388.	0.4	5
44	Effect of wavy wall strut fuel injector on shock wave development and mixing enhancement of fuel and air for a scramjet combustor. <i>Journal of Computational Design and Engineering</i> , 2021, 8, 362-375.	3.1	16
45	Numerical analysis of hydrogen fueled scramjet combustor with innovative designs of strut injector. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13659-13671.	7.1	46
46	Prediction capability of polynomial neural network for uncertain buckling behavior of sandwich plates. , 2020, , 131-140.		9
47	Numerical investigation of flame propagation in pulse detonation engine with variation of obstacle clearance. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2485-2495.	3.6	12
48	The numerical analysis of combustion performance of a wedge shaped strut-based scramjet combustor. <i>Thermal Science and Engineering Progress</i> , 2020, 20, 100714.	2.7	19
49	Polyethylene Glycol Based Form Stable Composite Phase Change Material: A Review. <i>Journal of Physics: Conference Series</i> , 2020, 1455, 012025.	0.4	10
50	Numerical investigation on implications of four strut injectors on combustion characteristics of a Doubly-Dual cavity-based scramjet combustor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 32128-32144.	7.1	12
51	A Review On Viscous Fingering Pattern Formation In Lifted Hele- Shaw Cell. <i>Journal of Physics: Conference Series</i> , 2020, 1455, 012022.	0.4	1
52	Stress analysis of Landing gear of light Unmanned Aerial Vehicle. <i>Journal of Physics: Conference Series</i> , 2020, 1455, 012019.	0.4	5
53	Recent research progress on transverse injection technique for scramjet applications-a brief review. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 27806-27827.	7.1	91
54	Impact of parametric variation on combustion characteristics of hydrogen-fueled strut based scramjet combustor at supersonic speed. <i>International Journal of Energy Research</i> , 2020, 44, 11807-11826.	4.5	23

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55	Analysis of deformation and mode shape in the landing gear of light Unmanned Aerial Vehicle. Journal of Physics: Conference Series, 2020, 1455, 012020.	0.4	2
56	Hydrogen fuel in scramjet engines - A brief review. International Journal of Hydrogen Energy, 2020, 45, 16799-16815.	7.1	134
57	Implication of diamond shaped dual strut on combustion characteristics in a cavity-based scramjet combustor. International Journal of Hydrogen Energy, 2020, 45, 17562-17574.	7.1	15
58	Permeability quantification of porous polymer scaffold for bone tissue engineering. Materials Today: Proceedings, 2020, 22, 1687-1693.	1.8	8
59	Modeling of Human Airways CAD model Using CT Scan Data. Materials Today: Proceedings, 2020, 22, 1710-1714.	1.8	5
60	Evaluation of hemodynamic parameters to study the variation of artery wall properties. Materials Today: Proceedings, 2020, 22, 1702-1709.	1.8	0
61	A Review on Property Reforms for Fiber Matrix Composites through Various Surface Treatment of Fibers. Journal of Physics: Conference Series, 2020, 1455, 012026.	0.4	1
62	Investigation of Physico-mechanical Behavior, Permeability and Wall Shear Stress of Porous HA/PMMA Composite Bone Scaffold. Arabian Journal for Science and Engineering, 2020, 45, 5505-5515.	3.0	20
63	Viscous fingering instabilities in radial Hele-Shaw cell: A review. Materials Today: Proceedings, 2020, 26, 760-762.	1.8	15
64	Microstructure, Tribological Properties, and Hardness of Spray-Deposited and Warm-Rolled Al-Pb Alloys in Peripheral Regions. Powder Metallurgy and Metal Ceramics, 2020, 58, 631-641.	0.8	3
65	Stochastic Free Vibration Analysis of Sandwich Plates: A Radial Basis Function Approach. Lecture Notes in Mechanical Engineering, 2020, , 449-458.	0.4	3
66	Effect of Skewness on Random Frequency Responses of Sandwich Plates. Lecture Notes in Mechanical Engineering, 2020, , 13-20.	0.4	5
67	Numerical Study of Hydrogen-Fueled Scramjet Performance with Passive Techniques. Lecture Notes in Mechanical Engineering, 2020, , 243-249.	0.4	1
68	Numerical investigation on implication of strut profile on combustion characteristics in a cavity based scramjet combustor. Acta Astronautica, 2020, 170, 623-636.	3.2	30
69	A Comparative Evaluation of Combustion Characteristics of Strut and Wall Injection Technique in a Cavity-Based Scramjet Combustor. Lecture Notes in Mechanical Engineering, 2020, , 823-833.	0.4	0
70	Comparative Study of Stress Analysis for Three Bladed Underwater Vehicle Propellers with Two Different Composite Materials. Lecture Notes in Mechanical Engineering, 2020, , 1601-1611.	0.4	0
71	Numerical Investigation on the Influence of Turbulence Models on Prediction of Flow Characteristics of a Scramjet Combustor. Lecture Notes in Mechanical Engineering, 2020, , 835-844.	0.4	0
72	Investigation on metallurgical, tribological, hardness properties of spray deposited and warm rolled Al-18Pb, Al-22Pb alloys. Journal of Materials Research and Technology, 2019, 8, 5687-5697.	5.8	11

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73	Numerical investigation on implication of dual cavity on combustion characteristics in strut based scramjet combustor. International Journal of Hydrogen Energy, 2019, 44, 32080-32094.	7.1	24
74	Numerical investigation of wavy wall strut fuel injector for hydrogen fueled scramjet combustor. International Journal of Hydrogen Energy, 2019, 44, 32240-32253.	7.1	41
75	Numerical investigation of flame propagation and performance of obstructed pulse detonation engine with variation of hydrogen and air. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	4
76	Laser Beam Micromachining of Metals: A Review. Materials Today: Proceedings, 2019, 18, 98-103.	1.8	4
77	Advances in flame stabilization process on a dual mode scramjet-A Review. Materials Today: Proceedings, 2019, 18, 104-108.	1.8	3
78	Characterization of spray formed Al-alloys A Review. Reviews on Advanced Materials Science, 2019, 58, 147-158.	3.3	9
79	Numerical investigation on mixing behavior of fuels inreacting and non-reacting flow condition of a cavity-strut based scramjet combustor. International Journal of Hydrogen Energy, 2019, 44, 16718-16734.	7.1	26
80	Thermo-hydraulic performance of rectangular channel roughened with combined semi-circular and triangular ribs. Heat and Mass Transfer, 2019, 55, 2889-2900.	2.1	7
81	Combustion characteristics of hydrogen-air mixture in pulse detonation engines. Journal of Mechanical Science and Technology, 2019, 33, 2451-2457.	1.5	11
82	Recent advances in cavity-based scramjet engine- a brief review. International Journal of Hydrogen Energy, 2019, 44, 13895-13909.	7.1	164
83	Thermodynamic Performance of Pulse Detonation Engine: A Technical Report. SSRN Electronic Journal, 2019, , .	0.4	2
84	Numerical investigation on influence of diamond shaped strut on the performance of a scramjet combustor. International Journal of Hydrogen Energy, 2019, 44, 6949-6964.	7.1	30
85	Computational and experimental study of swirl flow within SI engine with modified shrouded intake valve. Progress in Computational Fluid Dynamics, 2019, 19, 123.	0.2	1
86	Effect Of Cold Rolling On Microstructural Properties Of Spray Deposited Al-%18Pb And Al-%22Pb Alloys. Materials Today: Proceedings, 2019, 18, 2767-2771.	1.8	1
87	Effects of Various Compositions of the FuelAir Mixture on the Pulse Detonation Engine Performance. Combustion, Explosion and Shock Waves, 2019, 55, 708-717.	0.8	6
88	Stochastic low-velocity impact analysis of sandwich plates including the effects of obliqueness and twist. Thin-Walled Structures, 2019, 145, 106411.	5.3	30
89	Effect Of Cold Rolling On The Porosity ,Hardness Properties Of The Spray Deposited Al-18%Pb And Al-22%Pb Alloys. Materials Today: Proceedings, 2019, 18, 3144-3149.	1.8	2
90	Effect Of Warm Rolling On Microstructure, Porosity And Hardness Of Spray Formed LM25 Alloy. Materials Today: Proceedings, 2019, 18, 3910-3915.	1.8	1

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91	Stochastic buckling analysis of sandwich plates: The importance of higher order modes. International Journal of Mechanical Sciences, 2019, 152, 630-643.	6.7	63
92	Effect of modified shrouded intake valve on performance and emissions of spark ignition engine. Clean Technologies and Environmental Policy, 2019, 21, 547-563.	4.1	6
93	Stochastic natural frequency analysis of skewed sandwich plates. Engineering Computations, 2019, 36, 2179-2199.	1.4	16
94	Numerical Investigation of Combustion Wave Propagation in Obstructed Channel of Pulse Detonation Engine using Kerosene and Butane Fuels. Journal of Applied Fluid Mechanics, 2019, 12, 883-890.	0.2	8
95	Thermal Analysis of Semi-Circular Pin Fins for Application in Electronics Cooling. International Journal of Recent Technology and Engineering, 2019, 8, 2366-2374.	0.2	1
96	A Comparative Thermal Analysis of Pin Fins for Improved Heat Transfer in Forced Convection*. Materials Today: Proceedings, 2018, 5, 1711-1717.	1.8	4
97	Fabrication of metal matrix composites by powder metallurgy: A review. AIP Conference Proceedings, 2018, , .	0.4	40
98	Selection of optimal processing condition during WEDM of compocasted AA6061/cenosphere AMCs based on grey-based hybrid approach. Materials and Manufacturing Processes, 2018, 33, 1549-1558.	4.7	28
99	Effect of variation of inlet boundary conditions on the combustion flow-field of a typical double cavity scramjet combustor. International Journal of Hydrogen Energy, 2018, 43, 8139-8151.	7.1	73
100	Effect of different wall injection schemes on the flow-field of hydrogen fuelled strut-based scramjet combustor. Acta Astronautica, 2018, 145, 93-104.	3.2	122
101	Composite materials used in Scramjet- A Review. Materials Today: Proceedings, 2018, 5, 1321-1326.	1.8	35
102	Effect of Temperature Variation on Surface Treatment of Short Jute Fiber-Reinforced Epoxy Composites. Materials Today: Proceedings, 2018, 5, 1271-1277.	1.8	17
103	Wire electrical discharge machining characteristics of AA6061/cenosphere aluminium matrix composites using RSM. Materials Today: Proceedings, 2018, 5, 1278-1285.	1.8	18
104	CFD analysis of a scramjet combustor with cavity based flame holders. Acta Astronautica, 2018, 144, 244-253.	3.2	65
105	Study on effect of mixing mechanism by the transverse gaseous injection flow in scramjet engine with variable parameters. AIP Conference Proceedings, 2018, , .	0.4	2
106	Review on factors affecting the performance of pulse detonation engine. AIP Conference Proceedings, 2018, , .	0.4	1
107	Machinability of cenosphere particulate reinforced AA6061 aluminium alloy prepared by compocasting. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 2499-2509.	2.4	20
108	Wire electrical discharge machining characteristics of AA6061/cenosphere as-cast aluminum matrix composites. Materials and Manufacturing Processes, 2018, 33, 1346-1353.	4.7	25

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109	Tribological behaviour of Magnesium Metal Matrix Composites reinforced with fly ash cenosphere. <i>Materials Today: Proceedings</i> , 2018, 5, 20138-20144.	1.8	21
110	Development Of Human Airways Model For CFD Analysis. <i>Materials Today: Proceedings</i> , 2018, 5, 12920-12926.	1.8	6
111	Modeling & Simulation of Interface Stability in Metal Matrix Composites Subjected to off-axis loading using Cohesive Zone Model under Elevated Temperature: A Review. <i>Materials Today: Proceedings</i> , 2018, 5, 20085-20091.	1.8	2
112	Aluminium Metal Matrix Composite with Rice Husk as Reinforcement: A Review. <i>Materials Today: Proceedings</i> , 2018, 5, 20130-20137.	1.8	16
113	Computational Study on Effect of Obstacles in Pulse Detonation Engine. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 113.	0.3	3
114	Characterization of harmonic response of human middle ear using finite element approach. <i>Journal of Computational Science</i> , 2018, 29, 94-98.	2.9	6
115	Numerical investigation of thermal-hydraulic performance of channel with protrusions by turbulent cross flow jet. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
116	Optimization of scramjet performance with different fuel injection techniques and flame holder cavities. <i>Acta Astronautica</i> , 2018, 152, 908-919.	3.2	41
117	Performance analysis of solar air collector in the climatic condition of North Eastern India. <i>Energy</i> , 2018, 165, 281-298.	8.8	59
118	Numerical investigation of combustion phenomena in pulse detonation engine with different fuels. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	7
119	Mass concentration analysis of aerosol through human airways. , 2018, , .		0
120	Review on using nanofluids for heat transfer enhancement in nuclear power plants. <i>Kerntechnik</i> , 2018, 83, 426-438.	0.2	1
121	Degradation of aerodynamic performances of two typical aerofoils under heavy rain: A comparative study using CFD simulation. <i>European Journal of Electrical Engineering</i> , 2018, 20, 325-332.	0.3	2
122	CFD Analysis of Rewetting Behavior in Nuclear Fuel Rod Bundle with Change in Operating Conditions. <i>Kerntechnik</i> , 2018, 83, 36-49.	0.2	0
123	Numerical Studies on the Performance of Scramjet Combustor with Alternating Wedge-Shaped Strut Injector. <i>International Journal of Turbo and Jet Engines</i> , 2017, 34, .	0.7	30
124	Exergetic efficiency analysis of hydrogen-air detonation in pulse detonation combustor using computational fluid dynamics. <i>International Journal of Spray and Combustion Dynamics</i> , 2017, 9, 44-54.	1.0	14
125	Numerical analysis of scramjet combustor with innovative strut and fuel injection techniques. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10524-10535.	7.1	62
126	Enhanced crack suppression ability of hybrid glass fiber reinforced laminated composites fabricated using GNP/epoxy system by optimized UDM parameters. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 174-187.	8.2	16

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127	Simulation of rod clad interaction and effect of various parameters on distribution of temperature in the cylindrical nuclear fuel rod. <i>Materials Today: Proceedings</i> , 2017, 4, 4204-4212.	1.8	1
128	CFD Analysis of Rewetting Temperature and Wetting Delay during Emergency Cooling of Vertical Nuclear Fuel Rod Bundle with Water Jet Impingement. <i>Materials Today: Proceedings</i> , 2017, 4, 4144-4152.	1.8	1
129	Computational Study of Effect of Varying Properties of Carbon Dioxide on Convective Heat Transfer in Sub Channels Flow at a Pressure Just Above the Critical Value. <i>Materials Today: Proceedings</i> , 2017, 4, 1293-1302.	1.8	0
130	Effect of different strut + wall injection techniques on the performance of two-strut scramjet combustor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13259-13275.	7.1	105
131	Computational Investigation of Multi-Strut Injection of Hydrogen in a Scramjet Combustor. <i>Materials Today: Proceedings</i> , 2017, 4, 2608-2614.	1.8	30
132	Optimization of electrical discharge machining process parameters for Al6061/cenosphere composite using grey-based hybrid approach. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 998-1010.	4.2	51
133	CFD Study on Emergency Core Cooling of Hot Vertical Nuclear Fuel Rod Bundle by Jet Impingement. <i>Materials Today: Proceedings</i> , 2017, 4, 2534-2543.	1.8	0
134	Effect of parametric variation of strut layout and position on the performance of a typical two-strut based scramjet combustor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10485-10500.	7.1	104
135	Optimal green energy planning for sustainable development: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 71, 796-813.	16.4	129
136	Analysis of Effect of Machining Parameters During Electrical Discharge Machining Using Taguchi-Based Multi-Objective PSO. <i>International Journal of Computational Intelligence and Applications</i> , 2017, 16, 1750010.	0.8	19
137	Effect of variation of hydrogen injection pressure and inlet air temperature on the flow-field of a typical double cavity scramjet combustor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20824-20834.	7.1	60
138	A brief review on the recent advances in scramjet engine. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	40
139	Effect on Heat Transfer Characteristics of Nanofluids Flowing under Laminar and Turbulent Flow Regime " A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 225, 012168.	0.6	11
140	Impacts of Temperature Disparity on Surface Modification of Short Jute Fiber-Reinforced Epoxy Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 225, 012114.	0.6	2
141	Airflow and Particle Transport Through Human Airways: A Systematic Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 225, 012132.	0.6	0
142	A review on analysis and development of solar flat plate collector. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 641-650.	16.4	198
143	Numerical Investigation of heat transfer enhancement of SiO ₂ -water based nanofluids in Light water nuclear reactor. <i>Materials Today: Proceedings</i> , 2017, 4, 10118-10122.	1.8	26
144	Steady State Structural Analysis of High Pressure Gas Turbine Blade using Finite Element Analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 225, 012113.	0.6	4

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145	Static Structural and Modal Analysis of Gas Turbine Blade. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012102.	0.6	17
146	Review on Heat Transfer from Fins. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012145.	0.6	3
147	Experimental Study of Hydroxy Gas (HHO) Production with Variation in Current, Voltage and Electrolyte Concentration. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012197.	0.6	9
148	Numerical Investigation of Detonation Combustion Wave in Pulse Detonation Combustor with Ejector. Journal of Applied Fluid Mechanics, 2017, 10, 725-733.	0.2	17
149	Size control synthesis and characterization of ZnO nanoparticles and its application as ZnO-water based nanofluid in heat transfer enhancement in light water nuclear reactor. Kerntechnik, 2017, 82, 112-124.	0.2	0
150	Review on Recent Advances in Pulse Detonation Engines. Journal of Combustion, 2016, 2016, 1-16.	1.0	31
151	Effect of variation of angle of attack on the performance of two-strut scramjet combustor. International Journal of Hydrogen Energy, 2016, 41, 11455-11470.	7.1	131
152	CFD analysis of rewetting vertical nuclear fuel rod by dispersed fluid jet impingement. Perspectives in Science, 2016, 8, 110-112.	0.6	2
153	Numerical analysis on the effect of flow rates and jet diameter in rewetting vertical nuclear fuel bundle with jet impingements. Annals of Nuclear Energy, 2016, 94, 518-529.	1.8	9
154	Investigation on the effects of operating variables on the performance of two-strut scramjet combustor. International Journal of Hydrogen Energy, 2016, 41, 20753-20770.	7.1	90
155	Computational simulation on the performance of Scramjet combustor using Multi-strut circular shaped injector. , 2016, , .		9
156	Influence on rewetting temperature and wetting delay during rewetting rod bundle by various radial jet models. Kerntechnik, 2016, 81, 50-59.	0.2	3
157	CFD analysis of rewetting of a single sector AHWR fuel cluster with changing jet directions. Nuclear Engineering and Design, 2016, 308, 51-59.	1.7	2
158	Effect of variation of length-to-depth ratio and Mach number on the performance of a typical double cavity scramjet combustor. Acta Astronautica, 2016, 128, 540-550.	3.2	89
159	Computational simulation of multi-strut central lobed injection of hydrogen in a scramjet combustor. Perspectives in Science, 2016, 8, 222-224.	0.6	44
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