Krishna Murari Pandey

List of Publications by Year
in descending order

221	3,729	172457	175258
papers	citations	29 h-index	52 g-index

227	227	227	1484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on analysis and development of solar flat plate collector. Renewable and Sustainable Energy Reviews, 2017, 67, 641-650.	16.4	198
2	Recent advances in cavity-based scramjet engine- a brief review. International Journal of Hydrogen Energy, 2019, 44, 13895-13909.	7.1	164
3	Hydrogen fuel in scramjet engines - A brief review. International Journal of Hydrogen Energy, 2020, 45, 16799-16815.	7.1	134
4	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
5	Optimal green energy planning for sustainable development: A review. Renewable and Sustainable Energy Reviews, 2017, 71, 796-813.	16.4	129
6	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
7	Effect of different strut + wall injection techniques on the performance of two-strut scramjet combustor. International Journal of Hydrogen Energy, 2017, 42, 13259-13275.	7.1	105
8	Effect of parametric variation of strut layout and position on the performance of a typical two-strut based scramjet combustor. International Journal of Hydrogen Energy, 2017, 42, 10485-10500.	7.1	104
9	Recent research progress on transverse injection technique for scramjet applications-a brief review. International Journal of Hydrogen Energy, 2020, 45, 27806-27827.	7.1	91
10	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
11	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
12	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
13	CFD analysis of a scramjet combustor with cavity based flame holders. Acta Astronautica, 2018, 144, 244-253.	3.2	65
14	Stochastic buckling analysis of sandwich plates: The importance of higher order modes. International Journal of Mechanical Sciences, 2019, 152, 630-643.	6.7	63
15	Numerical analysis of scramjet combustor with innovative strut and fuel injection techniques. International Journal of Hydrogen Energy, 2017, 42, 10524-10535.	7.1	62
16	Effect of variation of hydrogen injection pressure and inlet air temperature on the flow-field of a typical double cavity scramjet combustor. International Journal of Hydrogen Energy, 2017, 42, 20824-20834.	7.1	60
17	Performance analysis of solar air collector in the climatic condition of North Eastern India. Energy, 2018, 165, 281-298.	8.8	59
18	Optimization of electrical discharge machining process parameters for Al6061/cenosphere composite using grey-based hybrid approach. Transactions of Nonferrous Metals Society of China, 2017, 27, 998-1010.	4.2	51

#	Article	IF	Citations
19	Computational Analysis of Hypersonic Combustor Using Strut Injector at Flight Mach 7. Combustion Science and Technology, 2015, 187, 1392-1407.	2.3	50
20	Numerical Investigation on Hydrogen-Fueled Scramjet Combustor with Parallel Strut Fuel Injector at a Flight Mach Number of 6. Journal of Applied Fluid Mechanics, 2016, 9, 1215-1220.	0.2	47
21	Numerical analysis of hydrogen fueled scramjet combustor with innovative designs of strut injector. International Journal of Hydrogen Energy, 2020, 45, 13659-13671.	7.1	46
22	Computational simulation of multi-strut central lobed injection of hydrogen in a scramjet combustor. Perspectives in Science, 2016, 8, 222-224.	0.6	44
23	Optimization of scramjet performance with different fuel injection techniques and flame holder cavities. Acta Astronautica, 2018, 152, 908-919.	3.2	41
24	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
25	A brief review on the recent advances in scramjet engine. AIP Conference Proceedings, 2017, , .	0.4	40
26	Fabrication of metal matrix composites by powder metallurgy: A review. AIP Conference Proceedings, 2018, , .	0.4	40
27	Effect of microwave sintering on the microstructure and mechanical properties of AA7075/B4C/ZrC hybrid nano composite fabricated by powder metallurgy techniques. Ceramics International, 2021, 47, 32610-32618.	4.8	36
28	Composite materials used in Scramjet- A Review. Materials Today: Proceedings, 2018, 5, 1321-1326.	1.8	35
29	Review on Recent Advances in Pulse Detonation Engines. Journal of Combustion, 2016, 2016, 1-16.	1.0	31
30	Numerical Studies on the Performance of Scramjet Combustor with Alternating Wedge-Shaped Strut Injector. International Journal of Turbo and Jet Engines, 2017, 34, .	0.7	30
31	Computational Investigation of Multi-Strut Injection of Hydrogen in a Scramjet Combustor. Materials Today: Proceedings, 2017, 4, 2608-2614.	1.8	30
32	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
33	Stochastic low-velocity impact analysis of sandwich plates including the effects of obliqueness and twist. Thin-Walled Structures, 2019, 145, 106411.	5.3	30
34	Effect of a revolved wedge strut induced mixing enhancement for a hydrogen fueled scramjet combustor. International Journal of Hydrogen Energy, 2021, 46, 13340-13352.	7.1	30
35	Hydrogen fueled scramjet combustor with a wavy-wall double strut fuel injector. Fuel, 2021, 304, 121425.	6.4	30
36	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

#	Article	IF	Citations
37	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
38	Numerical Investigation of heat transfer enhancement of SiO 2 -water based nanofluids in Light water nuclear reactor. Materials Today: Proceedings, 2017, 4, 10118-10122.	1.8	26
39	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
40	Recent Advances in Scramjet Fuel Injection - A Review. International Journal of Chemical Engineering and Applications (IJCEA), 2010, , 294-301.	0.3	26
41	Wire electrical discharge machining characteristics of AA6061/cenosphere as-cast aluminum matrix composites. Materials and Manufacturing Processes, 2018, 33, 1346-1353.	4.7	25
42	Implication of geometrical configuration of cavity on combustion performance in a strut-based scramjet combustor. Acta Astronautica, 2021, 178, 793-804.	3.2	25
43	CFD Analysis of Mixing and Combustion of a Scramjet Combustor with a Planer Strut Injector. International Journal of Environmental Science and Development, 0, , 102-108.	0.6	25
44	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
45	Impact of parametric variation on combustion characteristics of hydrogenâ€fueled strut based scramjet combustor at supersonic speed. International Journal of Energy Research, 2020, 44, 11807-11826.	4.5	23
46	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
47	Tribological behaviour of Magnesium Metal Matrix Composites reinforced with fly ash cenosphere. Materials Today: Proceedings, 2018, 5, 20138-20144.	1.8	21
48	Effect of transverse fuel injection system on combustion efficiency in scramjet combustor. Energy, 2021, 218, 119511.	8.8	21
49	CFD Analysis of Conical Nozzle for Mach 3 at Various Angles of Divergence with Fluent Software. International Journal of Chemical Engineering and Applications (IJCEA), 2010, , 179-185.	0.3	21
50	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
51	Machinability of cenosphere particulateâ€“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
52	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
53	Characterization of Boron Carbide (B4C) particle reinforced aluminium metal matrix composites fabricated by powder metallurgy techniques â€“ A review. Materials Today: Proceedings, 2021, 45, 6882-6888.	1.8	20
54	Analysis of Effect of Machining Parameters During Electrical Discharge Machining Using Taguchi-Based Multi-Objective PSO. International Journal of Computational Intelligence and Applications, 2017, 16, 1750010.	0.8	19

#	Article	IF	Citations
55	The numerical analysis of combustion performance of a wedge shaped strut-based scramjet combustor. Thermal Science and Engineering Progress, 2020, 20, 100714.	2.7	19
56	Wire electrical discharge machining characteristics of AA6061/cenosphere aluminium matrix composites using RSM. Materials Today: Proceedings, 2018, 5, 1278-1285.	1.8	18
57	Static Structural and Modal Analysis of Gas Turbine Blade. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012102.	0.6	17
58	Effect of Temperature Variation on Surface Treatment of Short Jute Fiber-Reinforced Epoxy Composites. Materials Today: Proceedings, 2018, 5, 1271-1277.	1.8	17
59	A brief review on the recent advancement in the field of jet engine - scramjet engine. Materials Today: Proceedings, 2021, 45, 6857-6863.	1.8	17
60	Numerical Investigation of Detonation Combustion Wave in Pulse Detonation Combustor with Ejector. Journal of Applied Fluid Mechanics, 2017, 10, 725-733.	0.2	17
61	Enhanced crack suppression ability of hybrid glass fiber reinforced laminated composites fabricated using GNP/epoxy system by optimized UDM parameters. Ultrasonics Sonochemistry, 2017, 39, 174-187.	8.2	16
62	Aluminium Metal Matrix Composite with Rice Husk as Reinforcement: A Review. Materials Today: Proceedings, 2018, 5, 20130-20137.	1.8	16
63	Effect of wavy wall strut fuel injector on shock wave development and mixing enhancement of fuel and air for a scramjet combustor. Journal of Computational Design and Engineering, 2021, 8, 362-375.	3.1	16
64	Stochastic natural frequency analysis of skewed sandwich plates. Engineering Computations, 2019, 36, 2179-2199.	1.4	16
65	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
66	Viscous fingering instabilities in radial Hele-Shaw cell: A review. Materials Today: Proceedings, 2020, 26, 760-762.	1.8	15
67	Annular Cavities for Base Flow Control. International Journal of Turbo and Jet Engines, 2006, 23, .	0.7	14
68	CFD Analysis of Scramjet Combustor with Non-Premixed Turbulence Model Using Ramp Injector. Applied Mechanics and Materials, 0, 555, 18-25.	0.2	14
69	Exergy analysis of coal fired tea drying furnace. International Journal of Exergy, 2015, 17, 54.	0.4	14
70	Exergetic efficiency analysis of hydrogenâ€“air detonation in pulse detonation combustor using computational fluid dynamics. International Journal of Spray and Combustion Dynamics, 2017, 9, 44-54.	1.0	14
71	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
72	CFD Analysis of a Hydrogen Fueled Mixture in Scramjet Combustor with a Strut Injector by Using Fluent Software. International Journal of Engineering and Technology, 2011, 3, 109-115.	0.2	13

#	Article	IF	Citations
73	Numerical investigation of flame propagation in pulse detonation engine with variation of obstacle clearance. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2485-2495.	3.6	12
74	Numerical investigation on implications of four strut injectors on combustion characteristics of a Doubly-Dual cavity-based scramjet combustor. International Journal of Hydrogen Energy, 2020, 45, 32128-32144.	7.1	12
75	Numerical Studies on Effects of Blade Number Variations on Performance of Centrifugal Pumps at 4000 RPM. International Journal of Engineering and Technology, 2011, 3, 410-416.	0.2	12
76	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
77	Effect on Heat Transfer Characteristics of Nanofluids Flowing under Laminar and Turbulent Flow Regime â€“ A Review. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012168.	0.6	11
78	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
79	Combustion characteristics of hydrogen-air mixture in pulse detonation engines. Journal of Mechanical Science and Technology, 2019, 33, 2451-2457.	1.5	11
80	Numerical Simulation of a Hydrogen Fueled Scramjet Combustor at Mach 1.5 Using Strut Injectors at Mach 2.47 Air Speed. , 2013, , .		10
81	Polyethylene Glycol Based Form Stable Composite Phase Change Material: A Review. Journal of Physics: Conference Series, 2020, 1455, 012025.	0.4	10
82	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
83	Influence of Cavities on Flow Development in Sudden Expansion. International Journal of Turbo and Jet Engines, 2006, 23, .	0.7	9
84	Effect of Blockage Ratio on Detonation Flame Acceleration in Pulse Detonation Combustor Using CFD. Applied Mechanics and Materials, 0, 656, 64-71.	0.2	9
85	CFD Analysis of Hypersonic Combustion of H₂-Fueled Scramjet Combustor with Cavity Based Fuel Injector at Flight Mach 6. Applied Mechanics and Materials, 0, 656, 53-63.	0.2	9
86	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
87	Computational simulation on the performance of Scramjet combustor using Multi-strut circular shaped injector. , 2016, , .		9
88	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
89	Characterization of spray formed Al-alloys â€" A Review. Reviews on Advanced Materials Science, 2019, 58, 147-158.	3.3	9
90	Prediction capability of polynomial neural network for uncertain buckling behavior of sandwich plates. , 2020, , 131-140.		9

#	Article	IF	Citations
91	Numerical investigation of immiscible Liquid-Liquid displacement in Hele-Shaw cell. Materials Today: Proceedings, 2021, 45, 7151-7155.	1.8	9
92	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
93	The Integrated Cluster Bus for the IBM S/390 Parallel Sysplex. IBM Journal of Research and Development, 1999, 43, 795-806.	3.1	8
94	Permeability quantification of porous polymer scaffold for bone tissue engineering. Materials Today: Proceedings, 2020, 22, 1687-1693.	1.8	8
95	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
96	Numerical study on double layered micro channel heat sink with partly diverged channel in top layer. Materials Today: Proceedings, 2021, 45, 6542-6546.	1.8	8
97	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
98	CFD Analysis of Mixing and Combustion of a Hydrogen Fueled Scramjet Combustor with a Strut Injector by Using Fluent Software. International Journal of Engineering and Technology, 2011, 3, 466-453.	0.2	8
99	Computational Study of Deflagration to Detonation Transition in Pulse Detonation Engine Using Shchelkin Spiral. Applied Mechanics and Materials, 0, 772, 136-140.	0.2	7
100	Numerical investigation of combustion phenomena in pulse detonation engine with different fuels. AIP Conference Proceedings, 2018, , .	0.4	7
101	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
102	Implication of self-throttling on combustion performance in a strut-based scramjet combustor. Acta Astronautica, 2021, 186, 228-241.	3.2	7
103	CFD Analysis of a Rocket Nozzle with FourInlets at Mach 2.1. International Journal of Chemical Engineering and Applications (IJCEA), 2010, , 319-325.	0.3	7
104	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
105	Development Of Human Airways Model For CFD Analysis. Materials Today: Proceedings, 2018, 5, 12920-12926.	1.8	6
106	Characterization of harmonic response of human middle ear using finite element approach. Journal of Computational Science, 2018, 29, 94-98.	2.9	6
107	Effects of Various Compositions of the Fuelâ€"Air Mixture on the Pulse Detonation Engine Performance. Combustion, Explosion and Shock Waves, 2019, 55, 708-717.	0.8	6
108	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

#	Article	IF	Citations
109	Study of Fuel Injection Systems in Scramjet Engineâ€"A Review. Lecture Notes in Mechanical Engineering, 2021, , 931-940.	0.4	6
110	Effect of Processing Parameters on Mechanical Properties of Al7175/Boron Carbide (B4C) Composite Fabricated by Powder Metallurgy Techniques. Advances in Science and Technology, 0, , .	0.2	6
111	Recent developments in technological innovations in scramjet engines: A review. Materials Today: Proceedings, 2021, 45, 6874-6881.	1.8	6
112	Studies on Base Pressure in Suddenly Expanded Circular Ducts: a Fuzzy Logic Approach. International Journal of Engineering and Technology, 2010, 2, 379-386.	0.2	6
113	Structural Analysis of Nuclear Fuel Element with Ansys Software. International Journal of Engineering and Technology, 2011, 3, 187-192.	0.2	6
114	CFD Analysis of Scramjet Combustor Using Strut With Circular and Planer Injector. , 2011, , .		5
115	Performance Investigation on Single Phase Pulse Detonation Engine Using Computational Fluid Dynamics. , 2013, , .		5
116	Computational fluid dynamics study of tea withering trough considering leaf layer as porous medium. Progress in Computational Fluid Dynamics, 2014, 14, 304.	0.2	5
117	Stress analysis of Landing gear of light Unmanned Aerial Vehicle. Journal of Physics: Conference Series, 2020, 1455, 012019.	0.4	5
118	Modeling of Human Airways CAD model Using CT Scan Data. Materials Today: Proceedings, 2020, 22, 1710-1714.	1.8	5
119	Numerical investigation on the impact of protrusions mounted on sidewalls of double layered micro channel heat sink. Materials Today: Proceedings, 2021, 45, 7001-7005.	1.8	5
120	The recent development of supersonic combustion ramjet engines for augmentation of the mixing performance and improvement in combustion Efficiency: A review. Materials Today: Proceedings, 2021, 45, 7058-7062.	1.8	5
121	Numerical Investigation on the Effect of Inflow Mach Numbers on the Combustion Characteristics of a Typical Cavity-Based Supersonic Combustor. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	5
122	Computational investigation to study the effect of a hybrid hydrogen fuelled scramjet combustor on different inlet boundary conditions. Materials Today: Proceedings, 2021, 45, 6774-6782.	1.8	5
123	Effect of Skewness on Random Frequency Responses of Sandwich Plates. Lecture Notes in Mechanical Engineering, 2020, , 13-20.	0.4	5
124	Analysis on Development of Beeswax as Phase Change Material for Thermal Energy Storage. Lecture Notes in Mechanical Engineering, 2021, , 379-388.	0.4	5
125	CFD Analysis of Twin Jet Flow At Mach 1.74with Fluent Software. International Journal of Environmental Science and Development, 0, , 423-428.	0.6	5
126	CFD Analysis of Wall Injection with Large Sized Cavity Based Scramjet Combustion at Mach 2.. International Journal of Engineering and Technology, 2011, 3, 122-129.	0.2	5

#	Article	IF	Citations
127	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
128	CFD Analysis of an Isolated Main Helicopter Rotor for a Hovering Flight at Varying RPM. , 2012, , .		4
129	Computational Analysis of Hydrogen-Fueled Scramjet Combustor Using Cavities in Tandem Flame Holder. Applied Mechanics and Materials, 0, 772, 130-135.	0.2	4
130	3D Numerical Analysis for Thermal-Hydraulic Characteristics of Water Flow Inside a Circular Tube with Twisted Tape with Helical Protrusions. Procedia Engineering, 2015, 127, 1134-1141.	1.2	4
131	Steady State Structural Analysis of High Pressure Gas Turbine Blade using Finite Element Analysis. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012113.	0.6	4
132	A Comparative Thermal Analysis of Pin Fins for Improved Heat Transfer in Forced Convection*. Materials Today: Proceedings, 2018, 5, 1711-1717.	1.8	4
133	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
134	Laser Beam Micromachining of Metals: A Review. Materials Today: Proceedings, 2019, 18, 98-103.	1.8	4
135	Performance Analysis of a Scramjet Combustor with Cavity for Mach Numbers 3.0, 3.25 and 3.50 with Hydrogen as a Fuel. Lecture Notes in Mechanical Engineering, 2021, , 919-929.	0.4	4
136	Effect of operating parameters on application based performance analysis of PDC: A recent review. Materials Today: Proceedings, 2021, 45, 6702-6707.	1.8	4
137	The performance of a scramjet combustor with cavity for Mach numbers 2.25, 2.52 and 2.75 with hydrogen as a fuel. Materials Today: Proceedings, 2021, 45, 6615-6622.	1.8	4
138	Design and static analysis of landing gear shock absorber of commercial aircraft. Materials Today: Proceedings, 2021, 45, 6712-6717.	1.8	4
139	Effect of wall cavity with combined fuel injection technique in scramjet combustor with CFD. Materials Today: Proceedings, 2021, 45, 6609-6614.	1.8	4
140	Effect of wave shift of porous slab on thermo-hydraulic transport characteristics of laminar flow through a wavy channel. Materials Today: Proceedings, 2021, , .	1.8	4
141	Numerical Analysis of Coal Combustion in Circulating Fluidized Bed. International Journal of Chemical Engineering and Applications (IJCEA), 2011, , 390-394.	0.3	4
142	Computational Analysis of Mixing in Strut Based Combustion at Air Inlet Mach number 2. International Journal of Environmental Science and Development, 0, , 73-80.	0.6	4
143	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
144	A State of Art Review on Thermodynamics Performance Analysis in Pulse Detonation Combustor. , 0, , .		4

#	Article	IF	Citations
145	Wall Static Pressure Variation in Sudden Expansion in Cylindrical Ducts with Supersonic Flow: A Fuzzy Logic Approach. , 2010, , .		3
146	Experimental and Numerical Analysis of Forced Convection Heat Transfer in Turbulent Flows. Procedia Engineering, 2015, 127, 711-718.	1.2	3
147	Influence on rewetting temperature and wetting delay during rewetting rod bundle by various radial jet models. Kerntechnik, 2016, 81, 50-59.	0.2	3
148	Review onHeat Transfer from Fins. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012145.	0.6	3
149	Computational Study on Effect of Obstacles in Pulse Detonation Engine. International Journal of Engineering and Technology(UAE), 2018, 7, 113.	0.3	3
150	Advances in flame stabilization process on a dual mode scramjet-A Review. Materials Today: Proceedings, 2019, 18, 104-108.	1.8	3
151	Microstructure, Tribological Properties, and Hardness of Spray-Deposited and Warm-Rolled Alâ€“Pb Alloys in Peripheral Regions. Powder Metallurgy and Metal Ceramics, 2020, 58, 631-641.	0.8	3
152	A review on latest development in heat transfer through porous media in combination with nanofluids and wavy walls. Materials Today: Proceedings, 2021, 45, 7171-7175.	1.8	3
153	Numerical analysis of plasma combustion in scramjet engine-A review. Materials Today: Proceedings, 2021, 45, 6838-6851.	1.8	3
154	A review on the flame holding mechanisms used for the development of scramjet engines. Materials Today: Proceedings, 2021, 45, 7023-7030.	1.8	3
155	Stochastic Free Vibration Analysis of Sandwich Plates: A Radial Basis Function Approach. Lecture Notes in Mechanical Engineering, 2020, , 449-458.	0.4	3
156	Desirability and Assessment of Mechanical Strength Characteristics of Solid Propellant for Use in Multi Barrel Rocket Launcher. International Journal of Chemical Engineering and Applications (IJCEA), 2012, , 114-124.	0.3	3
157	Recent Advances in Experimental and Numerical Analysis of Combustor Flow Fields in Supersonic Flow Regime. International Journal of Chemical Engineering and Applications (IJCEA), 2010, , 132-137.	0.3	3
158	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
159	Wall Static Pressure Variation in Sudden Expansion in Flow Through De Laval Nozzles at Mach 1.74 And 2.23: A Fuzzy Logic Approach. , 2010, , .		2
160	Buckling Behaviour of Circular Ring Stiffened Filament Wound Composite Pressure Hull through Finite Element Analysis. Applied Mechanics and Materials, 0, 656, 288-297.	0.2	2
161	CFD analysis of rewetting vertical nuclear fuel rod by dispersed fluid jet impingement. Perspectives in Science, 2016, 8, 110-112.	0.6	2
162	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

#	Article	IF	Citations
163	Impacts of Temperature Disparity on Surface Modification of Short Jute Fiber-Reinforced Epoxy Composites. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012114.	0.6	2
164	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
165	Modeling & Simulation of Interface Stability in Metal Matrix Composites Subjected to off-axis loading using Cohesive Zone Model under Elevated Temperature: A Review. Materials Today: Proceedings, 2018, 5, 20085-20091.	1.8	2
166	Numerical investigation of thermal-hydraulic performance of channel with protrusions by turbulent cross flow jet. AIP Conference Proceedings, 2018, , .	0.4	2
167	Thermodynamic Performance of Pulse Detonation Engine: A Technical Report. SSRN Electronic Journal, 2019, , .	0.4	2
168	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
169	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
170	Degradation of aerodynamic performances of two typical aerofoils under heavy rain: A comparative study using CFD simulation. European Journal of Electrical Engineering, 2018, 20, 325-332.	0.3	2
171	CFD Analysis of Four Jet Flow at Mach 1.74 with Fluent Software. International Journal of Chemical Engineering and Applications (IJCEA), 2010, , 302-308.	0.3	2
172	Numerical Analysis of Flow and Heat transfer in Sub-channel of Supercritical Water Reactor. Procedia Engineering, 2013, 64, 507-517.	1.2	1
173	Numerical Analysis of the Flow and Heat Transfer in the Sub-Channel of Supercritical Water Reactor. , 2013, , .		1
174	Free Edge Mixed Mode Delamination Analysis of Laminated Composites with Wrap-Around Configuration: A Finite Element Study. Journal of the Institution of Engineers (India): Series D, 2016, 97, 181-191.	1.0	1
175	Simulation of rod clad interaction and effect of various parameters on distribution of temperature in the cylindrical nuclear fuel rod. Materials Today: Proceedings, 2017, 4, 4204-4212.	1.8	1
176	CFD Analysis of Rewetting Temperature and Wetting Delay during Emergency Cooling of Vertical Nuclear Fuel Rod Bundle with Water Jet Impingement. Materials Today: Proceedings, 2017, 4, 4144-4152.	1.8	1
177	Review on factors affecting the performance of pulse detonation engine. AIP Conference Proceedings, 2018, , .	0.4	1
178	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
179	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
180	Effect Of Warm Rolling On Microstructure, Porosity And Hardness Of Spray Formed LM25 Alloy. Materials Today: Proceedings, 2019, 18, 3910-3915.	1.8	1

#	Article	IF	Citations
181	A Review On Viscous Fingering Pattern Formation In Lifted Hele- Shaw Cell. Journal of Physics: Conference Series, 2020, 1455, 012022.	0.4	1
182	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
183	Numerical Study of Hydrogen-Fueled Scramjet Performance with Passive Techniques. Lecture Notes in Mechanical Engineering, 2020, , 243-249.	0.4	1
184	Fabrication of metal matrix composites by powder metallurgy: A review. , 0, .		1
185	Facile Synthesis of TiO₂ Nanoparticle and Numerical Investigation of Nanofluids Heat Transfer Characteristics for Application in Nuclear Reactor Using CFD Code. Nanoscience and Nanotechnology Letters, 2016, 8, 365-374.	0.4	1
186	Performance Analysis of Solar Air Collector in North East Region of India. , 0, , .		1
187	Review on using nanofluids for heat transfer enhancement in nuclear power plants. Kerntechnik, 2018, 83, 426-438.	0.2	1
188	Numerical Analysis of Combustor Flow Fields in Supersonic Flow Regime with Spalart-Allmaras and k-îµ Turbulence Models. International Journal of Engineering and Technology, 2011, 3, 208-214.	0.2	1
189	Transient CFD Analysis of Multi-Lobe Bearings at 60000RPM for A Gas Turbine. International Journal of Engineering and Technology, 2011, 3, 512-517.	0.2	1
190	Numerical Analysis of Supersonic Combustion by Strut Flat Duct Length with S-A Turbulence Model. International Journal of Engineering and Technology, 2011, 3, 193-198.	0.2	1
191	A Comparative Study of Cantilevered Ramp Injector with Standard k-îµ and RNG k-îµ Turbulence Models. International Journal of Chemical Engineering and Applications (IJCEA), 2011, , 352-358.	0.3	1
192	A Parametric Thermal Analysis of Triangular Fins for Improved Heat Transfer in Forced Convection. , 0, , .		1
193	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
194	The numerical investigation of combustion performance of scramjet combustor with variation in angle of attack. Results in Engineering, 2022, 15, 100507.	5.1	1
195	Experimental Studies on Hydrodynamics of Recirculating Fluidized Beds. International Journal of Turbo and Jet Engines, 2007, 24, .	0.7	0
196	SEM and EDAX Study of Pretreated Rice Husk for the Sorption of Cu(II) from Wastewater. Applied Mechanics and Materials, 2014, 656, 17-22.	0.2	0
197	Non-Newtonian Computational Fluid Dynamics (CFD) Modeling on Left Coronary Artery with Multiple Blockages. Applied Mechanics and Materials, 0, 592-594, 1924-1929.	0.2	0
198	Numerical Simulation on Hypersonic Combustion of Hydrogen-Fueled Scramjet Combustor with Parallel Strut Fuel Injection at a Flight Mach Number of 7. Applied Mechanics and Materials, 0, 766-767, 1044-1049.	0.2	0

#	Article	IF	Citations
199	Computational Study of Effect of Increasing Heat Flux on Convective Heat Transfer in Sub Channels of Carbon Dioxide Flow at Pressure above Critical Value. Applied Mechanics and Materials, 0, 772, 8-13.	0.2	0
200	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. Materials Today: Proceedings, 2017, 4, 1293-1302.	1.8	0
201	CFD Study on Emergency Core Cooling of Hot Vertical Nuclear Fuel Rod Bundle by Jet Impingement. Materials Today: Proceedings, 2017, 4, 2534-2543.	1.8	0
202	Airflow and Particle Transport Through Human Airways: A Systematic Review. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012132.	0.6	0
203	Mass concentration analysis of aerosol through human airways. , 2018, , .		0
204	Numerical Investigation of Detonation Wave Propagation in Pulse Detonation Engine with Obstacles. SSRN Electronic Journal, 0, , .	0.4	0
205	Evaluation of hemodynamic parameters to study the variation of artery wall properties. Materials Today: Proceedings, 2020, 22, 1702-1709.	1.8	0
206	Recent advances in development of supersonic efficient combustors. Materials Today: Proceedings, 2021, 45, 6889-6894.	1.8	0
207	Property alterations for fiber matrix composites using numerous surface treatments â€“ A review. Materials Today: Proceedings, 2021, 45, 7156-7161.	1.8	0
208	Radial Basis Function Based Probabilistic Buckling Behavior of Sandwich Plates. Springer Proceedings in Mathematics and Statistics, 2021, , 3-11.	0.2	0
209	APPLICATION POTENTIAL OF RESPONSE SURFACE METHOD ON ELECTRO DISCHARGE MACHINING OF AA6061â€“CENOSPHERE AMCs PREPARED BY COMPOCASTING METHOD. Surface Review and Letters, 2021, 28, 2150056.	1.1	0
210	Thermo-economics of an irreversible solar driven heat engine. WIT Transactions on Engineering Sciences, 2006, , .	0.0	0
211	Effects of Variation of Specific Heat on Temperature in Gaseous Combustion with Fluent Software. International Journal of Environmental Science and Development, 0, , 419-422.	0.6	0
212	CFD Analysis of Cantilevered Expansion and Compression Type Ramp Injector. International Journal of Engineering and Technology, 2011, 3, 116-121.	0.2	0
213	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
214	Optimisation of Wire Electro Discharge Machining Parameter Using Desirability Based Multi Objective RSM While Machining of Al6061â€“Cenosphere AMCs. , 0, , .		0
215	CFD Analysis of Rewetting Behavior in Nuclear Fuel Rod Bundle with Change in Operating Conditions. Kerntechnik, 2018, 83, 36-49.	0.2	0
216	A parametric thermal analysis of triangular fins for improved heat transfer in forced convection. Strojniski Vestnik/Journal of Mechanical Engineering, 0, , .	1.1	0

#	Article	IF	Citations
217	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
218	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
219	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
220	Enhancement of microstructure and mechanical performance of spray formed Al-6Si-18Pb alloy by warm rolling. Advances in Materials and Processing Technologies, 0, , 1-15.	1.4	0
221	Accessing the Effects of Employee Stress on Job Performance in Manufacturing Industry. , 2022, , .		0