Irfan Anjum Badruddin

List of Publications by Year
in descending order

242	10,621	36303	38395
papers	citations	51 h-index	95 g-index

244	244	244	6538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wound dressings coated with silver nanoparticles and essential oil of Labdanum. Applied Nanoscience (Switzerland), 2023, 13, 1345-1354.	3.1	4
2	Green and ecofriendly synthesis of cobalt oxide nanoparticles using Phoenix dactylifera L: antimicrobial and photocatalytic activity. Applied Nanoscience (Switzerland), 2023, 13, 1367-1375.	3.1	22
3	Green synthesis of titanium dioxide nanoparticles using Laurus nobilis (bay leaf): antioxidant and antimicrobial activities. Applied Nanoscience (Switzerland), 2023, 13, 1477-1484.	3.1	12
4	Emerging potential of spent coffee ground valorization for fuel pellet production in a biorefinery. Environment, Development and Sustainability, 2023, 25, 7585-7623.	5.0	13
5	Investigation on the effect of cottonseed oil blended with different percentages of octanol and suspended MWCNT nanoparticles on diesel engine characteristics. Journal of Thermal Analysis and Calorimetry, 2022, 147, 525-542.	3.6	51
6	MHD and nonlinear thermal radiation effects on hybrid nanofluid past a wedge with heat source and entropy generation. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 120-137.	2.8	21
7	Merits and Limitations of Mathematical Modeling and Computational Simulations in Mitigation of COVID-19 Pandemic: A Comprehensive Review. Archives of Computational Methods in Engineering, 2022, 29, 1311-1337.	10.2	21
8	Progress and challenges of contaminate removal from wastewater using microalgae biomass. Chemosphere, 2022, 286, 131656.	8.2	147
9	Microalgae biomass as a sustainable source for biofuel, biochemical and biobased value-added products: An integrated biorefinery concept. Fuel, 2022, 307, 121782.	6.4	190
10	A state-of-the-art review on spent coffee ground (SCG) pyrolysis for future biorefinery. Chemosphere, 2022, 286, 131730.	8.2	39
11	Ni(II) removal using date seed powder biosorbent: Process parameters classification and RSM modeling. Journal of the Air and Waste Management Association, 2022, 72, 76-84.	1.9	0
12	Surface Functionalization of Magnetite Nanoparticles with Multipotent Antioxidant as Potential Magnetic Nanoantioxidants and Antimicrobial Agents. Molecules, 2022, 27, 789.	3.8	8
13	Comparison of 3D Printed Underwater Propeller Using Polymers and Conventionally Developed AA6061. Journal of Materials Engineering and Performance, 2022, 31, 5149-5158.	2.5	2
14	Experimental investigation of the impact of CeO2 nanoparticles in Jet-A and Jatropha-SPK blended fuel in an aircraft can-combustor at flight conditions. Fuel, 2022, 317, 123393.	6.4	10
15	Desalination technology for energy-efficient and low-cost water production: A bibliometric analysis. Green Processing and Synthesis, 2022, 11, 306-315.	3.4	8
16	Effect of Strain Rate and Temperature on Tensile and Fracture Performance of AA2050-T84 Alloy. Materials, 2022, 15, 1590.	2.9	2
17	Investigation of Self-Healing Mortars with and without Bagasse Ash at Pre- and Post-Crack Times. Materials, 2022, 15, 1650.	2.9	8
18	Effects of non-linear radiation and chemical reaction on Oldroydâ€Ɓ nanofluid near oblique stagnation point flow. Chinese Journal of Physics, 2022, 77, 1197-1208.	3.9	10

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19	Peristaltic Transport of Carreau Nanofluid in Presence of Triple Diffusion in an Asymmetric Channel by Multi-Step Differential Transformation Method. Mathematics, 2022, 10, 807.	2.2	2
20	Computational flow analysis of different streamline cooling plates for thermal management of lithium-ion battery. Cogent Engineering, 2022, 9, .	2.2	1
21	Cattaneoâ€“Christov model for triple diffusive natural convection flows over horizontal plate with entropy analysis embedded in porous regime. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 4776-4790.	2.1	4
22	Characteristics of Conventional and Microwave Sintered Iron Ore Preform. Materials, 2022, 15, 2655.	2.9	3
23	Temperature Impact on Reverse Osmosis Permeate Flux in the Remediation of Hexavalent Chromium. Water (Switzerland), 2022, 14, 44.	2.7	7
24	Nanoceramic Composites for Nuclear Radiation Attenuation. Materials, 2022, 15, 262.	2.9	8
25	Design and Synthesis of Multipotent Antioxidants for Functionalization of Iron Oxide Nanoparticles. Coatings, 2022, 12, 517.	2.6	2
26	Abandoned wells multigeneration system: promising zero CO2 emission geothermal energy system. International Journal of Energy and Environmental Engineering, 2022, 13, 1237-1246.	2.5	2
27	Effect of Thermal Radiation and Double-Diffusion Convective Peristaltic Flow of a Magneto-Jeffrey Nanofluid through a Flexible Channel. Mathematics, 2022, 10, 1701.	2.2	2
28	Thermal analysis of unsteady hybrid nanofluid magneto-hemodynamics flow via overlapped curved stenosed channel. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8754-8766.	2.1	3
29	An experimental analysis of single slope solar still integrated with parabolic trough collector and packed layer of glass balls. Journal of Thermal Analysis and Calorimetry, 2021, 146, 2655-2665.	3.6	6
30	An experimental investigation of eco-friendly treated GNP heat transfer growth: circular and square conduit comparison. Journal of Thermal Analysis and Calorimetry, 2021, 145, 139-151.	3.6	12
31	An experimental-based artificial neural network performance study of common rail direct injection engine run on plastic pyrolysis oil. International Journal of Sustainable Engineering, 2021, 14, 137-146.	3.5	7
32	Numerical investigation on pressure-driven electro osmatic flow and mixing in a constricted micro channel by triangular obstacle. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 982-1013.	2.8	4
33	Fouling and fouling mitigation of mineral salt using bio-based functionalized graphene nano-plates. Journal of Thermal Analysis and Calorimetry, 2021, 146, 265-275.	3.6	4
34	Optical properties and thermal stability evaluation of solar absorbers enhanced by nanostructured selective coating films. Powder Technology, 2021, 377, 939-957.	4.2	28
35	Effect of Sr@ZnO nanoparticles and Ricinus communis biodiesel-diesel fuel blends on modified CRDI diesel engine characteristics. Energy, 2021, 215, 119094.	8.8	141
36	Improving the diesel engine performance, emissions and combustion characteristics using biodiesel with carbon nanomaterials. Fuel, 2021, 288, 119665.	6.4	39

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37	Ultrasonic assisted new Al2O3@TiO2-ZnO/DW ternary composites nanofluids for enhanced energy transportation in a closed horizontal circular flow passage. International Communications in Heat and Mass Transfer, 2021, 120, 105018.	5.6	26
38	A comprehensive review of heat transfer intensification methods for latent heat storage units. Energy Storage, 2021, 3, e127.	4.3	32
39	Computational Analysis of Airflow in Upper Airway under Light and Heavy Breathing Conditions for a Realistic Patient Having Obstructive Sleep Apnea. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 583-604.	1.1	2
40	Multiple Response Optimization of Dimensional Accuracy of Nimonic Alloy Miniature Gear Machined on Wire Edm Using Entropy Topsis Andpareto Anova. CMES - Computer Modeling in Engineering and Sciences, 2021, 126, 241-259.	1.1	1
41	Attenuation and dispersion phenomena of shear waves in anelastic and elastic porous strips. Engineering Computations, 2021, ahead-of-print, .	1.4	2
42	Fabrication and Physicochemical Study of B2SA-Grafted Poly(vinyl Alcohol)â€“Graphene Hybrid Membranes for Dehydration of Bioethanol by Pervaporation. Membranes, 2021, 11, 110.	3.0	9
43	Two-phase frictional pressure drop with pure refrigerants in vertical mini/micro-channels. Case Studies in Thermal Engineering, 2021, 23, 100824.	5.7	42
44	Adsorption Studies of Volatile Organic Compound (Naphthalene) from Aqueous Effluents: Chemical Activation Process Using Weak Lewis Acid, Equilibrium Kinetics and Isotherm Modelling. International Journal of Molecular Sciences, 2021, 22, 2090.	4.1	5
45	Electromagnetic Characterization of a Multiwalled Carbon Nanotubesâ€“Silver Nanoparticles-Reinforced Polyvinyl Alcohol Hybrid Nanocomposite in X-Band Frequency. ACS Omega, 2021, 6, 4184-4191.	3.5	9
46	On differential equations classifying a warped product submanifold of cosymplectic space forms. Journal of Inequalities and Applications, 2021, 2021, .	1.1	0
47	Heat transfer in steady slip flow of tangent hyperbolic fluid over the lubricated surface of a stretchable rotatory disk. Case Studies in Thermal Engineering, 2021, 24, 100825.	5.7	21
48	Evaluation on Enhanced Heat Transfer Using Sonochemically Synthesized Stable Zno-Eg@Dw Nanofluids in Horizontal Calibrated Circular Flow Passage. Energies, 2021, 14, 2400.	3.1	5
49	Deformation and Fracture Behavior of Sandwiched Copper Foam Brazed Joint Using Amorphous Copperâ€“Tinâ€“Nickelâ€“Phosphorus Filler. Frontiers in Materials, 2021, 8, .	2.4	0
50	Effect of injection parameters and producer gas derived from redgram stalk on the performance and emission characteristics of a diesel engine. AEJ - Alexandria Engineering Journal, 2021, 60, 3133-3142.	6.4	78
51	Effect of Injection Timing and Injection Duration of Manifold Injected Fuels in Reactivity Controlled Compression Ignition Engine Operated with Renewable Fuels. Energies, 2021, 14, 4621.	3.1	9
52	An Overview of Biodiesel Production via Calcium Oxide Based Catalysts: Current State and Perspective. Energies, 2021, 14, 3950.	3.1	44
53	Bioenergy recovery potential through the treatment of the meat processing industry waste in Australia. Journal of Environmental Chemical Engineering, 2021, 9, 105657.	6.7	15
54	Mechanical Properties of PC-ABS-Based Graphene-Reinforced Polymer Nanocomposites Fabricated by FDM Process. Polymers, 2021, 13, 2951.	4.5	28

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55	Leverage of Environmental Pollutant Crump Rubber on the Dry Sliding Wear Response of Epoxy Composites. Polymers, 2021, 13, 2894.	4.5	14
56	Investigation of two-way fluid-structure interaction of blood flow in a patient-specific left coronary artery. Bio-Medical Materials and Engineering, 2021, , 1-18.	0.6	5
57	Development and Characterization of Biocompatible Membranes from Natural Chitosan and Gelatin for Pervaporative Separation of Waterâ€“Isopropanol Mixture. Polymers, 2021, 13, 2868.	4.5	9
58	Influence of Combustion Chamber Shapes and Nozzle Geometry on Performance, Emission, and Combustion Characteristics of CRDI Engine Powered with Biodiesel Blends. Sustainability, 2021, 13, 9613.	3.2	3
59	Heat Transfer and Entropy in a Vertical Porous Plate Subjected to Suction Velocity and MHD. Entropy, 2021, 23, 1069.	2.2	4
60	Biodiesel Production Using Modified Direct Transesterification by Sequential Use of Acid-Base Catalysis and Performance Evaluation of Diesel Engine Using Various Blends. Sustainability, 2021, 13, 9731.	3.2	0
61	Experimental evaluation and numerical verification of enhanced heat transportation by using ultrasonic assisted nanofluids in a closed horizontal circular passage. Case Studies in Thermal Engineering, 2021, 26, 101026.	5.7	4
62	Mechanical and Abrasive Wear Performance of Titanium Di-Oxide Filled Woven Glass Fibre Reinforced Polymer Composites by Using Taguchi and EDAS Approach. Materials, 2021, 14, 5257.	2.9	31
63	Analysis of the Effect of Parameters on Fracture Toughness of Hemp Fiber Reinforced Hybrid Composites Using the ANOVA Method. Polymers, 2021, 13, 3013.	4.5	12
64	Forensic Studies on Spent Catalytic Converters to Examine the Effect of Diesel and B100 Pongamia Biodiesel on Emissions. Sustainability, 2021, 13, 10729.	3.2	1
65	Investigation of Mechanical Properties and Salt Spray Corrosion Test Parameters Optimization for AA8079 with Reinforcement of TiN + ZrO2. Materials, 2021, 14, 5260.	2.9	15
66	Optimization of Microjet Location Using Surrogate Model Coupled with Particle Swarm Optimization Algorithm. Mathematics, 2021, 9, 2167.	2.2	4
67	Influence of Reaction pH towards the Physicochemical Characteristics of Phosphorylated Polyvinyl Alcohol-Aluminum Phosphate Nanocomposite. Coatings, 2021, 11, 1105.	2.6	0
68	Statistical Modeling and Performance Optimization of a Two-Chamber Microbial Fuel Cell by Response Surface Methodology. Catalysts, 2021, 11, 1202.	3.5	5
69	Corrosion Characterization at Surface and Subsurface of Iron-Based Buried Water Pipelines. Materials, 2021, 14, 5877.	2.9	2
70	In-Depth Thermal, Microstructural and Photoluminescence Analysis of Mesoporous ZnO/ZnAl₂O₄-MMO: The Effect of Molar Ratio. ECS Journal of Solid State Science and Technology, 2021, 10, 106006.	1.8	12
71	Biogenesis of Silver Nanoparticles and Its Multifunctional Anti-Corrosion and Anticancer Studies. Coatings, 2021, 11, 1215.	2.6	14
72	Conductive Polymers and Their Nanocomposites as Adsorbents in Environmental Applications. Polymers, 2021, 13, 3810.	4.5	33

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73	Investigating the Dimensional Accuracy of the Cavity Produced by ABS P400 Polymer-Based Novel EDM Electrode. Polymers, 2021, 13, 4109.	4.5	8
74	Two-Phase Non-Newtonian Pulsatile Blood Flow Simulations in a Rigid and Flexible Patient-Specific Left Coronary Artery (LCA) Exhibiting Multi-Stenosis. Applied Sciences (Switzerland), 2021, 11, 11361.	2.5	10
75	Significance low oscillating magnetic field and Hall current in the nano-ferrofluid flow past a rotating stretchable disk. Scientific Reports, 2021, 11, 23204.	3.3	9
76	Computational examination of Jeffrey nanofluid through a stretchable surface employing Tiwari and Das model. Open Physics, 2021, 19, 897-911.	1.7	7
77	A Study on Performance of Common Rail Direct Injection Engine with Multiple-Injection Strategies. Arabian Journal for Science and Engineering, 2020, 45, 623-630.	3.0	4
78	An investigation on the influence of aluminium oxide nano-additive and honge oil methyl ester on engine performance, combustion and emission characteristics. Renewable Energy, 2020, 146, 2291-2307.	8.9	140
79	Multi-Response Optimization of Nanofluid-Based I. C. Engine Cooling System Using Fuzzy PIV Method. Processes, 2020, 8, 30.	2.8	11
80	Super Stability of Ag Nanoparticle in Crystalline Lamellar (Lc) Liquid Crystal Matrix at Different pH Environment. Symmetry, 2020, 12, 31.	2.2	2
81	Thermal Non-equilibrium in Porous Annulus: A New Finite Element Solution Technique. Arabian Journal for Science and Engineering, 2020, 45, 1279-1292.	3.0	7
82	Experimental study and evaluation of single slope solar still combined with flat plate collector, parabolic trough and packed bed. Solar Energy, 2020, 196, 358-366.	6.1	91
83	A simulation-based study on the effect of underwater friction stir welding process parameters using different evolutionary optimization algorithms. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 643-657.	2.1	8
84	Heat Transfer in Porous Annulus: Heating on Vertical Walls. Materials Today: Proceedings, 2020, 24, 1312-1317.	1.8	0
85	The potential of nanoparticle additives in biodiesel: A fundamental outset. AIP Conference Proceedings, 2020, , .	0.4	10
86	An immersed boundary method for simulations of flow and mixing in micro-channels with electro kinetic effects. Progress in Computational Fluid Dynamics, 2020, 20, 93.	0.2	1
87	Influence of bifurcation angle in left coronary artery with stenosis: A CFD analysis. Bio-Medical Materials and Engineering, 2020, 31, 339-349.	0.6	5
88	Wear resistance of maraging steel developed by direct metal laser sintering. Materials Express, 2020, 10, 1079-1090.	0.5	13
89	Multi-Scale Study on Mechanical Property and Strength of New Green Sand (Poly Lactic Acid) as Replacement of Fine Aggregate in Concrete Mix. Symmetry, 2020, 12, 1823.	2.2	11
90	Heat Transfer in Square Porous Cavity Due to Radiation and Heat Generating Strip - Part I. IOP Conference Series: Materials Science and Engineering, 2020, 764, 012028.	0.6	0

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91	Heat Transfer in Square Porous Cavity Due to Radiation and Heat Generating Strip - Part II. IOP Conference Series: Materials Science and Engineering, 2020, 764, 012030.	0.6	1
92	Lipid Extraction Maximization and Enzymatic Synthesis of Biodiesel from Microalgae. Applied Sciences (Switzerland), 2020, 10, 6103.	2.5	30
93	Enhancement in Combustion, Performance, and Emission Characteristics of a Diesel Engine Fueled with Ce-ZnO Nanoparticle Additive Added to Soybean Biodiesel Blends. Energies, 2020, 13, 4578.	3.1	76
94	Exploring E-Waste Resources Recovery in Household Solid Waste Recycling. Processes, 2020, 8, 1047.	2.8	15
95	Attenuation and dispersion phenomena of torsional waves in self-weighted, inhomogeneous, pre-stressed poro-elastic and poro-viscoelastic stratified structure. Waves in Random and Complex Media, 2020, , 1-22.	2.7	3
96	Effect of pressure on ageing response of (SiCâ€¯+â€¯Al2O3)/6063 composites. Journal of Materials Research and Technology, 2020, 9, 11834-11848.	5.8	3
97	Numerical Analysis of Film Cooling Due to Simple/Compound Angle Hole Combination. Arabian Journal for Science and Engineering, 2020, 45, 8931-8944.	3.0	3
98	Aiding Flow Dufour effect and Viscous Dissipation in Square Porous annulus. Materials Today: Proceedings, 2020, 24, 1322-1331.	1.8	1
99	Human thermal comfort in passenger vehicles using an organic phase change materialâ€“ an experimental investigation, neural network modelling, and optimization. Building and Environment, 2020, 180, 107012.	6.9	49
100	Heat Transfer in Porous Media: A Mini Review. Materials Today: Proceedings, 2020, 24, 1318-1321.	1.8	19
101	Application of the Combined ANN and GA for Multi-Response Optimization of Cutting Parameters for the Turning of Glass Fiber-Reinforced Polymer Composites. Mathematics, 2020, 8, 947.	2.2	12
102	A review of heating/cooling processes using nanomaterials suspended in refrigerants and lubricants. International Journal of Heat and Mass Transfer, 2020, 153, 119611.	4.8	67
103	Effect of Zinc Oxide Nano-Additives and Soybean Biodiesel at Varying Loads and Compression Ratios on VCR Diesel Engine Characteristics. Symmetry, 2020, 12, 1042.	2.2	79
104	Heat transfer and fouling deposition investigation on the titanium coated heat exchanger surface. Powder Technology, 2020, 373, 671-680.	4.2	31
105	Computational fluid dynamics modelling of human upper airway: A review. Computer Methods and Programs in Biomedicine, 2020, 196, 105627.	4.7	48
106	Enhancement of thermoelectric properties of Co4Sb12 Skutterudite by Al and La double filling. Journal of Solid State Chemistry, 2020, 284, 121205.	2.9	19
107	Finite element formulation of conjugate double diffusion in porous annulus. AIP Conference Proceedings, 2020, , .	0.4	11
108	Finite element formulation of conjugate heat transfer in porous annulus. AIP Conference Proceedings, 2020, , .	0.4	7

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109	Finite element analysis of immature teeth filled with MTA, Biodentine and Bioaggregate. Computer Methods and Programs in Biomedicine, 2020, 190, 105356.	4.7	23
110	Kharif Crops Selection for Sustainable Farming Practices in the Rajasthan-India Using Multiple Attribute-Based Decision-Making. Agronomy, 2020, 10, 536.	3.0	2
111	CALIBRATION AND VALIDATION OF REFERENCE EVAPOTRANSPIRATION MODELS IN SEMI-ARID CONDITIONS. Applied Ecology and Environmental Research, 2020, 18, 1361-1386.	0.5	2
112	Finite Element Analysis of Nylon Based 3D Printed Autonomous Underwater Vehicle Propeller. Materials Research, 2020, 23, .	1.3	4
113	Pressure-Driven Electro-Osmotic Flow and Mass Transport in Constricted Mixing Micro-Channels. Journal of Applied Fluid Mechanics, 2020, 13, 429-441.	0.2	5
114	Investigation of Coronavirus Deposition in Realistic Human Nasal Cavity and Impact of Social Distancing to Contain COVID-19: A Computational Fluid Dynamic Approach. CMES - Computer Modeling in Engineering and Sciences, 2020, 125, 1185-1199.	1.1	7
115	A review of fluid-structure interaction simulation for patients with sleep related breathing disorders with obstructive sleep. Computer Methods and Programs in Biomedicine, 2019, 180, 105036.	4.7	16
116	Conjugate heat transfer due to partial isothermal heating at center of annuls with two solids in porous annulus: Part I. AIP Conference Proceedings, 2019, , .	0.4	16
117	Numerical analysis of heat transfer in human head. Journal of Mechanical Science and Technology, 2019, 33, 3597-3605.	1.5	4
118	Augmented Turbulence for Progressive and Efficient Combustion in Biodieselâ€“Diesel Engine. Arabian Journal for Science and Engineering, 2019, 44, 7957-7966.	3.0	3
119	Investigation on Surface Properties of Mn-Doped CdSe Quantum Dots Studied by X-ray Photoelectron Spectroscopy. Symmetry, 2019, 11, 1250.	2.2	5
120	Development of Preform for Simulation of Cold Forging Process of A V8 Engine Camshaft Free from Flash & Under-Filling. Mathematics, 2019, 7, 1026.	2.2	1
121	Production of honge oil methyl ester (HOME) and its performance test on four stroke single cylinder VCR engine. AIP Conference Proceedings, 2019, , .	0.4	7
122	Novel Approach to Manufacture an AUV Propeller by Additive Manufacturing and Error Analysis. Applied Sciences (Switzerland), 2019, 9, 4413.	2.5	11
123	Extraction of Cellulose Nano-Whiskers Using Ionic Liquid-Assisted Ultra-Sonication: Optimization and Mathematical Modelling Using Boxâ€“Behnken Design. Symmetry, 2019, 11, 1148.	2.2	22
124	The effects of graphene oxide nanoparticle additive stably dispersed in dairy scum oil biodiesel-diesel fuel blend on CI engine: performance, emission and combustion characteristics. Fuel, 2019, 257, 116015.	6.4	152
125	Optimising Parameters for Expanded Polystyrene Based Pod Production Using Taguchi Method. Mathematics, 2019, 7, 847.	2.2	11
126	Effect of stenosis on hemodynamics in left coronary artery based on patient-specific CT scan. Bio-Medical Materials and Engineering, 2019, 30, 463-473.	0.6	8

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127	Lattice Strain Analysis of a Mn-Doped CdSe QD System Using Crystallography Techniques. Processes, 2019, 7, 639.	2.8	6
128	Finite element solution strategy for viscous dissipation in porous medium. AIP Conference Proceedings, 2019, , .	0.4	18
129	Partial heating at lower section of annulus subjected to conjugate heat transfer in porous annulus. AIP Conference Proceedings, 2019, , .	0.4	17
130	Partial heating at upper section of annulus subjected to conjugate heat transfer in porous annulus. AIP Conference Proceedings, 2019, , .	0.4	16
131	Heat and mass transfer with viscous dissipation in porous medium: FEM based methodology. AIP Conference Proceedings, 2019, , .	0.4	17
132	An analytical and comparative study of the charging and discharging processes in a latent heat thermal storage tank for solar water heater system. Solar Energy, 2019, 185, 424-438.	6.1	58
133	Heat and Mass Transfer with Soret/Dufour Effect in Irregular Porous Cavity. Journal of Thermophysics and Heat Transfer, 2019, 33, 647-662.	1.6	34
134	Investigation of heat transfer in porous channels. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 1497-1517.	2.8	1
135	Numerical Analysis of Thermal Non-Equilibrium in Porous Medium Subjected to Internal Heating. Mathematics, 2019, 7, 1085.	2.2	14
136	Analysis of digital light synthesis based flexible and rigid polyurethane for applications in automobile bumpers. Materials Express, 2019, 9, 839-850.	0.5	8
137	Discrete heating of opposing mixed convection heated at bottom of annulus. AIP Conference Proceedings, 2019, , .	0.4	9
138	Discrete heating at bottom of annulus in case of mixed convection: Aiding flow. AIP Conference Proceedings, 2019, , .	0.4	5
139	Evaluation of Municipal Solid Wastes Based Energy Potential in Urban Pakistan. Processes, 2019, 7, 848.	2.8	24
140	Drug Leaching Properties of Vancomycin Loaded Mesoporous Hydroxyapatite as Bone Substitutes. Processes, 2019, 7, 826.	2.8	18
141	Dispersion and Attenuation Characteristics of Love-Type Waves in a Fiber-Reinforced Composite over a Viscoelastic Substrate. Physics of Wave Phenomena, 2019, 27, 281-289.	1.1	15
142	Heat transfer in a porous cavity in presence of square solid block. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 640-656.	2.8	39
143	Conjugate Heat and Mass Transfer in a Vertical Porous Cylinder. Journal of Thermophysics and Heat Transfer, 2019, 33, 548-558.	1.6	44
144	Investigation of heat transfer in irregular porous cavity subjected to various boundary conditions. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 418-447.	2.8	43

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145	The influence of curvature wall onÂtheÂbloodÂflow in stenosed artery: AÂcomputationalÂstudy. Bio-Medical Materials and Engineering, 2018, 29, 319-332.	0.6	6
146	Biodiesel Production by Direct Transesterification Process via Sequential Use of Acidâ€“Base Catalysis. Arabian Journal for Science and Engineering, 2018, 43, 5929-5936.	3.0	26
147	A review of numerical studies on solar collectors integrated with latent heat storage systems employing fins or nanoparticles. Renewable Energy, 2018, 118, 761-778.	8.9	100
148	Experimental Evaluation of Interfacial Surface Cracks in Friction Welded Dissimilar Metals through Image Segmentation Technique (IST). Materials, 2018, 11, 2460.	2.9	6
149	Sliding behavior of droplet on a hydrophobic surface with hydrophilic cavities: A simulation study. Physics of Fluids, 2018, 30, 122006.	4.0	8
150	The effect of nano-additives in diesel-biodiesel fuel blends: A comprehensive review on stability, engine performance and emission characteristics. Energy Conversion and Management, 2018, 178, 146-177.	9.2	362
151	Application of artificial neural network for heat transfer in porous cone. AIP Conference Proceedings, 2018, , .	0.4	32
152	Heat transfer prediction in a square porous medium using artificial neural network. AIP Conference Proceedings, 2018, , .	0.4	36
153	Numerical investigation on the thermohydraulic performance of a shell-and-double concentric tube heat exchanger using nanofluid under the turbulent flow regime. Numerical Heat Transfer; Part A: Applications, 2017, 71, 215-231.	2.1	15
154	Thermal performance of a compact design heat pipe solar collector with latent heat storage in charging/discharging modes. Energy, 2017, 127, 101-115.	8.8	60
155	Patient-specific 3D hemodynamics modelling of left coronary artery under hyperemic conditions. Medical and Biological Engineering and Computing, 2017, 55, 1451-1461.	2.8	22
156	Investigation of heat transfer due to isothermal heater in irregular porous cavity: Part I. AIP Conference Proceedings, 2017, , .	0.4	40
157	Simplified finite element algorithm to solve conjugate heat and mass transfer in porous medium. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 2481-2507.	2.8	78
158	Patient specific 3-d modeling of blood flow in a multi-stenosed left coronary artery. Bio-Medical Materials and Engineering, 2017, 28, 257-266.	0.6	11
159	THE MECHANICAL FACTORS INFLUENCING THE ASSESSMENT OF INTERMEDIATE STENOSIS SEVERITY EXPLAINED THROUGH FRACTIONAL FLOW RESERVE. Journal of Mechanics in Medicine and Biology, 2017, 17, 1730001.	0.7	0
160	Thermo hydraulic performance analysis of a shell-and-double concentric tube heat exchanger using CFD. International Journal of Heat and Mass Transfer, 2017, 105, 781-798.	4.8	18
161	Influence of stenosis on hemodynamic parameters in the realistic left coronary artery under hyperemic conditions. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 365-372.	1.6	18
162	Double diffusion in arbitrary porous cavity: Part I. AIP Conference Proceedings, 2017, , .	0.4	36

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163	Fem Formulation for Heat and Mass Transfer in Porous Medium. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012022.	0.6	33
164	Fem Formulation of Coupled Partial Differential Equations for Heat Transfer. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012023.	0.6	35
165	Heat Transfer in an L Shaped Porous Medium using FEM. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012012.	0.6	34
166	The Influence of Geometrical Shapes of Stenosis on the Blood Flow in Stenosed Artery. Sains Malaysiana, 2017, 46, 1923-1933.	0.5	14
167	Influence of radiation on double conjugate diffusion in a porous cavity. AIP Conference Proceedings, 2016, , .	0.4	65
168	Heat and mass transfer in porous cavity: Assisting flow. AIP Conference Proceedings, 2016, , .	0.4	61
169	Radiation and viscous dissipation effect on square porous annulus. AIP Conference Proceedings, 2016, , .	0.4	60
170	Heat transfer in a conical porous cylinder with partial heating. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012211.	0.6	47
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