

# Rajneesh Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,269  
citations

394421

19  
h-index

377865

34  
g-index

49  
all docs

49  
docs citations

49  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation for heat and flow characteristics of solar air heater having symmetrical gaps in multiple-arc rib pattern as roughness elements. <i>Experimental Heat Transfer</i> , 2022, 35, 466-483.	3.2	18
2	Analysis of Machine Learning Classifiers for Early Detection of DDoS Attacks on IoT Devices. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 1353-1374.	3.0	36
3	Role of Artificial Roughness in the Performance Improvement of Solar Air Heaters. <i>Green Energy and Technology</i> , 2022, , 555-578.	0.6	3
4	Jet-impinged based solar air heating system: An overview of flow dynamics and heat transfer phenomena. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
5	DDoSLSTM: Detection of Distributed Denial of Service Attacks on IoT Devices using LSTM Model. , 2022, , .		4
6	SQL Injection Attack Detection by Machine Learning Classifier. , 2022, , .		12
7	Heat augmented due to array of protrusions on absorber plate in solar heat exchanger. <i>Materials Today: Proceedings</i> , 2021, 38, 2425-2430.	1.8	4
8	A decision support system for heart disease prediction based upon machine learning. <i>Journal of Reliable Intelligent Environments</i> , 2021, 7, 263-275.	5.2	122
9	Exergetic performance estimation for roughened triangular duct used in solar air heaters. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1661-1672.	3.6	9
10	A comprehensive study on the progressive development and applications of solar air heaters. <i>Solar Energy</i> , 2021, 229, 112-147.	6.1	58
11	Unconventional solar air heater with triangular flow-passage: A CFD based comparative performance assessment of different cross-sectional rib-roughnesses. <i>Renewable Energy</i> , 2021, 172, 1267-1278.	8.9	41
12	HIOC: a hybrid imputation method to predict missing values in medical datasets. <i>International Journal of Intelligent Computing and Cybernetics</i> , 2021, 14, 598-616.	2.7	11
13	A comprehensive parametric investigation of hemispherical cavities on thermal performance and flow-dynamics in the triangular-duct solar-assisted air-heater. <i>Renewable Energy</i> , 2021, 173, 896-912.	8.9	31
14	Solar air heater having multiple V-ribs with Multiple-Symmetric gaps as roughness elements on Absorber-Plate: A parametric study. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101559.	2.7	15
15	Optimized Multi-level Data Aggregation Scheme (OMDA) for Wireless Sensor Networks. <i>Lecture Notes in Networks and Systems</i> , 2021, , 443-457.	0.7	1
16	HCTDDA: Hybrid Classification Technique for Detection of DDoS Attacks. , 2021, , .		4
17	Effect of providing gap in multiple-arc rib-roughened solar air heater - Part 1. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 2619-2625.	1.5	15
18	A Note on the Comparative Analysis Between Rectangular and Modified Duct Heat Exchanger. <i>Journal of Heat Transfer</i> , 2020, 142, .	2.1	14

#	ARTICLE	IF	CITATIONS
19	Innovatively Arranged Curved-Ribbed Solar-Assisted Air Heater: Performance and Correlation Development for Heat and Flow Characteristics. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2020, 142, .	1.8	21
20	Performance improvement and development of correlation for friction factor and heat transfer using computational fluid dynamics for ribbed triangular duct solar air heater. <i>Renewable Energy</i> , 2019, 131, 788-799.	8.9	61
21	Simulation of Flow and Heat Transfer in Triangular Cross-Sectional Solar-Assisted Air Heater. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2019, 141, .	1.8	25
22	Performance evaluation and optimization of solar assisted air heater with discrete multiple arc shaped ribs. <i>Journal of Energy Storage</i> , 2019, 26, 100978.	8.1	65
23	Effect of Dimple Intrusions and Curvature Radius of Rounded Corner Triangular Duct on Fluid Flow and Heat Transfer. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	1.5	25
24	Performance Analysis of CBR and VBR Applications on Different Multicast Routing Protocols Over MANET. <i>Communications in Computer and Information Science</i> , 2019, , 396-411.	0.5	1
25	Implementation of Various Load-Balancing Approaches for Cloud Computing Using CloudSim. <i>Journal of Computational and Theoretical Nanoscience</i> , 2019, 16, 3974-3980.	0.4	7
26	Numerical investigation of heat transfer and friction factor in ribbed triangular duct solar air heater using Computational fluid dynamics (CFD). <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 399-404.	1.5	41
27	QoS Enabled Cross-Layer Multicast Routing over Mobile Ad Hoc Networks. <i>Procedia Computer Science</i> , 2018, 125, 215-227.	2.0	20
28	Investigation of heat transfer augmentation and friction factor in triangular duct solar air heater due to forward facing chamfered rectangular ribs: A CFD based analysis. <i>Renewable Energy</i> , 2018, 115, 824-835.	8.9	110
29	Effect of Rounded Corners on Heat Transfer and Fluid Flow Through Triangular Duct. <i>Journal of Heat Transfer</i> , 2018, 140, .	2.1	32
30	Numerical Simulation of Flow Through Equilateral Triangular Duct Under Constant Wall Heat Flux Boundary Condition. <i>Journal of the Institution of Engineers (India): Series C</i> , 2017, 98, 313-323.	1.2	8
31	A parametric study of the 2D model of solar air heater with elliptical rib roughness using CFD. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 959-964.	1.5	43
32	Experimental and Computational Fluid Dynamics Study on Fluid Flow and Heat Transfer in Triangular Passage Solar Air Heater of Different Configurations. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2017, 139, 041013.	1.8	44
33	Heat transfer augmentation and flow characteristics in ribbed triangular duct solar air heater: An experimental analysis. <i>International Journal of Green Energy</i> , 2017, 14, 587-598.	3.8	50
34	Computational fluid dynamics based study for analyzing heat transfer and friction factor in semi-circular rib-roughened equilateral triangular duct. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 941-957.	2.8	36
35	Effect of apex angle variation on thermal and hydraulic performance of roughened triangular duct. <i>International Communications in Heat and Mass Transfer</i> , 2017, 86, 239-244.	5.6	24
36	Critical analysis of load balancing strategies for cloud environment. <i>International Journal of Communication Networks and Distributed Systems</i> , 2017, 18, 213.	0.4	5

#	ARTICLE	IF	CITATIONS
37	Hybrid load balancing approach for cloud environment. International Journal of Communication Networks and Distributed Systems, 2017, 18, 264.	0.4	4
38	A parametric analysis of rectangular rib roughened triangular duct solar air heater using computational fluid dynamics. Solar Energy, 2017, 157, 1095-1107.	6.1	76
39	Thermal and fluid dynamic characteristics of flow through triangular cross-sectional duct: A review. Renewable and Sustainable Energy Reviews, 2016, 61, 123-140.	16.4	62
40	Confidentiality Enhanced Security Model for Cloud Environment. , 2016, , .		7
41	A multi stage load balancing technique for cloud environment. , 2016, , .		12
42	Effects of magnetic field on oscillatory structures in laser-blow-off plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 377, 93-98.	2.1	4
43	A reconfigurable plasma antenna. Journal of Applied Physics, 2010, 107, .	2.5	65
44	Cylindrical stationary striations in surface wave produced plasma columns of argon. Physics of Plasmas, 2007, 14, .	1.9	16
45	Performance analysis of nanofluid based direct absorption solar collector of different configurations: A two-phase CFD modeling. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	2.3	4