

# 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	A decision support system for heart disease prediction based upon machine learning. Journal of Reliable Intelligent Environments, 2021, 7, 263-275.	5.2	122
2	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. Renewable Energy, 2018, 115, 824-835.	8.9	110
3	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
4	A reconfigurable plasma antenna. Journal of Applied Physics, 2010, 107, .	2.5	65
5	Performance evaluation and optimization of solar assisted air heater with discrete multiple arc shaped ribs. Journal of Energy Storage, 2019, 26, 100978.	8.1	65
6	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
7	Performance improvement and development of correlation for friction factor and heat transfer using computational fluid dynamics for ribbed triangular duct solar air heater. Renewable Energy, 2019, 131, 788-799.	8.9	61
8	A comprehensive study on the progressive development and applications of solar air heaters. Solar Energy, 2021, 229, 112-147.	6.1	58
9	Heat transfer augmentation and flow characteristics in ribbed triangular duct solar air heater: An experimental analysis. International Journal of Green Energy, 2017, 14, 587-598.	3.8	50
10	Experimental and Computational Fluid Dynamics Study on Fluid Flow and Heat Transfer in Triangular Passage Solar Air Heater of Different Configurations. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, 041013.	1.8	44
11	A parametric study of the 2D model of solar air heater with elliptical rib roughness using CFD. Journal of Mechanical Science and Technology, 2017, 31, 959-964.	1.5	43
12	Numerical investigation of heat transfer and friction factor in ribbed triangular duct solar air heater using Computational fluid dynamics (CFD). Journal of Mechanical Science and Technology, 2018, 32, 399-404.	1.5	41
13	Unconventional solar air heater with triangular flow-passage: A CFD based comparative performance assessment of different cross-sectional rib-roughnesses. Renewable Energy, 2021, 172, 1267-1278.	8.9	41
14	Computational fluid dynamics based study for analyzing heat transfer and friction factor in semi-circular rib-roughened equilateral triangular duct. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 941-957.	2.8	36
15	Analysis of Machine Learning Classifiers for Early Detection of DDoS Attacks on IoT Devices. Arabian Journal for Science and Engineering, 2022, 47, 1353-1374.	3.0	36
16	Effect of Rounded Corners on Heat Transfer and Fluid Flow Through Triangular Duct. Journal of Heat Transfer, 2018, 140, .	2.1	32
17	A comprehensive parametric investigation of hemispherical cavities on thermal performance and flow-dynamics in the triangular-duct solar-assisted air-heater. Renewable Energy, 2021, 173, 896-912.	8.9	31
18	Simulation of Flow and Heat Transfer in Triangular Cross-Sectional Solar-Assisted Air Heater. Journal of Solar Energy Engineering, Transactions of the ASME, 2019, 141, .	1.8	25

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	QoS Enabled Cross-Layer Multicast Routing over Mobile Ad Hoc Networks. <i>Procedia Computer Science</i> , 2018, 125, 215-227.	2.0	20
23	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
24	Cylindrical stationary striations in surface wave produced plasma columns of argon. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	16
25	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
26	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
27	A Note on the Comparative Analysis Between Rectangular and Modified Duct Heat Exchanger. <i>Journal of Heat Transfer</i> , 2020, 142, .	2.1	14
28	A multi stage load balancing technique for cloud environment. , 2016, , .		12
29	SQL Injection Attack Detection by Machine Learning Classifier. , 2022, , .		12
30	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
31	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
32	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
33	Confidentiality Enhanced Security Model for Cloud Environment. , 2016, , .		7
34	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
35	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
36	Effects of magnetic field on oscillatory structures in laser-blow-off plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 377, 93-98.	2.1	4

#	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	Heat augmented due to array of protrusions on absorber plate in solar heat exchanger. Materials Today: Proceedings, 2021, 38, 2425-2430.	1.8	4
39	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
40	HCTDDA: Hybrid Classification Technique for Detection of DDoS Attacks. , 2021, , .		4
41	DDoSLSTM: Detection of Distributed Denial of Service Attacks on IoT Devices using LSTM Model. , 2022, , .		4
42	Role of Artificial Roughness in the Performance Improvement of Solar Air Heaters. Green Energy and Technology, 2022, , 555-578.	0.6	3
43	Performance Analysis of CBR and VBR Applications on Different Multicast Routing Protocols Over MANET. Communications in Computer and Information Science, 2019, , 396-411.	0.5	1
44	Optimized Multi-level Data Aggregation Scheme (OMDA) for Wireless Sensor Networks. Lecture Notes in Networks and Systems, 2021, , 443-457.	0.7	1
45	Jet-impinged based solar air heating system: An overview of flow dynamics and heat transfer phenomena. Materials Today: Proceedings, 2022, , .	1.8	0