

# Anoop Kumar Shukla

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

538  
citations

687363

13  
h-index

713466

21  
g-index

47  
all docs

47  
docs citations

47  
times ranked

274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic investigation of parameters affecting the execution of steam injected cooled gas turbine based combined cycle power plant with vapor absorption inlet air cooling. Applied Thermal Engineering, 2017, 122, 380-388.	6.0	55
2	Performance evaluation of steam injected gas turbine based power plant with inlet evaporative cooling. Applied Thermal Engineering, 2016, 102, 454-464.	6.0	51
3	A comprehensive review of the influence of physicochemical properties of biodiesel on combustion characteristics, engine performance and emissions. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 510-533.	4.2	34
4	Recent Developments in Integrated Solar Combined Cycle Power Plants. Journal of Thermal Science, 2020, 29, 298-322.	1.9	33
5	Performance Improvement of Simple Gas Turbine Cycle with Vapor Compression Inlet Air Cooling. Materials Today: Proceedings, 2018, 5, 19172-19180.	1.8	29
6	Modeling of triangular perforated twisted tape with V-Cuts in double pipe heat exchanger. Materials Today: Proceedings, 2021, 46, 5389-5395.	1.8	24
7	Thermodynamic investigation of solar energy-based triple combined power cycle. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1161-1179.	2.3	22
8	Production & optimization of biodiesel from rubber oil using BBD technique. Materials Today: Proceedings, 2021, 38, 69-73.	1.8	21
9	Study of Performance and Emissions of Engines Fueled by Biofuels and Its Blends. Energy, Environment, and Sustainability, 2019, , 77-106.	1.0	17
10	Comparative evaluation of Integrated Solar combined cycle plant with cascade thermal storage system for different heat transfer fluids. Journal of Cleaner Production, 2022, 353, 131519.	9.3	17
11	Pool Boiling Using Nanofluids: A Review. Lecture Notes in Mechanical Engineering, 2019, , 325-336.	0.4	16
12	Impact analysis of biodiesel production parameters for different catalyst. Environment, Development and Sustainability, 0, , 1.	5.0	16
13	Thermodynamic analysis of steam-injected gas turbine cycle power plant with inlet air cooling. International Journal of Ambient Energy, 2017, 38, 556-566.	2.5	15
14	Parametric analysis of solar energy conversion system using parabolic concentrator and thermopile. International Journal of Ambient Energy, 2020, 41, 1409-1414.	2.5	15
15	Advances of Carbon Capture and Storage in Coal-Based Power Generating Units in an Indian Context. Energies, 2020, 13, 4124.	3.1	13
16	Comparative analysis of the linear Fresnel reflector assisted solar cycle on the basis of heat transfer fluids. Materials Today: Proceedings, 2021, 38, 74-79.	1.8	13
17	Recent progress and outlook of solar adsorption refrigeration systems. Materials Today: Proceedings, 2021, 46, 5639-5646.	1.8	12
18	Impact of Inlet Fogging on the Performance of Steam Injected Cooled Gas Turbine Based Combined Cycle Power Plant. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
19	Productivity enhancement of solar still with phase change materials and water-absorbing material. Materials Today: Proceedings, 2021, 38, 438-443.	1.8	11
20	An investigation on the effect of PCM incorporation in refrigerator through CFD simulation. Materials Today: Proceedings, 2021, 46, 5555-5564.	1.8	10
21	Recent advances in gas/steam power cycles for concentrating solar power. International Journal of Ambient Energy, 2022, 43, 4716-4727.	2.5	10
22	The effects on performance and emission characteristics of DI engine fuelled with CeO <sub>2</sub> nanoparticles addition in diesel/tyre pyrolysis oil blends. Environment, Development and Sustainability, 0, , 1.	5.0	8
23	Development of maintenance cost correlation for high head run of river small hydro power plant. International Journal of Ambient Energy, 2022, 43, 3124-3137.	2.5	7
24	Thermodynamic investigation of water generating system through HDH desalination and RO powered by organic Rankine cycle. Materials Today: Proceedings, 2021, 46, 5256-5261.	1.8	7
25	Energy matrices and enviroeconomical perspective of solar decontamination system. Materials Today: Proceedings, 2021, 46, 5464-5468.	1.8	7
26	Thermodynamic investigation of intercooled reheat gas turbine combined cycle with carbon capture and methanation. Materials Today: Proceedings, 2021, 38, 449-455.	1.8	7
27	Evaluation of Heat Recovery Steam Generator for Gas/Steam Combined Cycle Power Plants. Lecture Notes in Mechanical Engineering, 2019, , 189-200.	0.4	6
28	Impact of Nanoparticles on the Performance and Emissions of Diesel Engine Using Mahua Biodiesel. Smart Innovation, Systems and Technologies, 2020, , 49-59.	0.6	6
29	Experimental investigation of heat conservation through novel flame shield arrangement for domestic LPG gas stove. Materials Today: Proceedings, 2022, 49, 223-229.	1.8	5
30	Ionic Liquids as Green Bio-Lubricant Additives. Materials Research Foundations, 2019, , 224-248.	0.3	5
31	Investigative analysis of light duty diesel engine through dual loop organic Rankine cycle. Materials Today: Proceedings, 2021, 38, 146-152.	1.8	4
32	Conventional and Advanced Exergy Analysis of Air-Film Blade Cooled Gas Turbine Cycle. Lecture Notes in Mechanical Engineering, 2019, , 283-296.	0.4	2
33	Waste Heat Management in Hybrid Vehicles for Cabin Cooling. Lecture Notes in Mechanical Engineering, 2021, , 831-846.	0.4	1
34	Energy Utilization Reduction of Domestic Refrigerator Using Phase Change Materials. Lecture Notes in Mechanical Engineering, 2021, , 695-706.	0.4	1
35	Analysis of Heat Energy Recovery from Lighter Automotive Vehicle. , 2021, , .		1
36	Thermodynamic Investigation of Transpiration Cooled Gas Turbine Blade. Design Science and Innovation, 2022, , 59-69.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Study of Consistency Establishment of Deviation in Quality Norms During Manufacturing of Crown Wheel Pinion. Lecture Notes in Mechanical Engineering, 2021, , 877-887.	0.4	0
38	A Fuzzy-Based Decision System to Control and Monitor Mushroom Growth. Lecture Notes in Mechanical Engineering, 2021, , 121-128.	0.4	0
39	Intermittency Reduction Techniques in Hybrid Renewable Energy Systems: A Review. Lecture Notes in Mechanical Engineering, 2022, , 85-92.	0.4	0
40	Geothermal energy-based combined cooling heating and power system. Journal of Physics: Conference Series, 2022, 2178, 012040.	0.4	0
41	Recent perspectives and outlook of advances in technologies of solar chimney power plant. Journal of Physics: Conference Series, 2022, 2178, 012009.	0.4	0
42	Thermodynamic Investigation of ORC Integration in Solar Assisted Gas Turbine Cycle. Journal of Physics: Conference Series, 2022, 2178, 012036.	0.4	0