

Rohit Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

347
citations

759233

12
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 detection with aptamer-functionalized gold nanoparticles. <i>Talanta</i> , 2022, 236, 122841.	5.5	48
2	Machine learning assisted prediction of biochar yield and composition via pyrolysis of biomass. <i>Bioresource Technology</i> , 2022, 359, 127511.	9.6	43
3	Modeling temperature distribution and power consumption in IT server enclosures with row-based cooling architectures. <i>Applied Energy</i> , 2020, 261, 114355.	10.1	37
4	A gray-box model for real-time transient temperature predictions in data centers. <i>Applied Thermal Engineering</i> , 2021, 185, 116319.	6.0	30
5	Life cycle assessment of biodiesel production from rapeseed oil: Influence of process parameters and scale. <i>Bioresource Technology</i> , 2022, 360, 127532.	9.6	29
6	Cooling architecture selection for air-cooled Data Centers by minimizing exergy destruction. <i>Energy</i> , 2020, 201, 117625.	8.8	27
7	Energy, exergy and computing efficiency based data center workload and cooling management. <i>Applied Energy</i> , 2021, 299, 117050.	10.1	22
8	Economic and environmental assessment of organic waste to biomethane conversion. <i>Bioresource Technology</i> , 2022, 345, 126500.	9.6	22
9	Waste heat recovery in a data center with an adsorption chiller: Technical and economic analysis. <i>Energy Conversion and Management</i> , 2021, 245, 114576.	9.2	20
10	Workload management for air-cooled data centers: An energy and exergy based approach. <i>Energy</i> , 2020, 209, 118485.	8.8	19
11	A data-driven approach to simultaneous fault detection and diagnosis in data centers. <i>Applied Soft Computing Journal</i> , 2021, 110, 107638.	7.2	16
12	Background Oriented Schlieren (BOS) imaging of condensation from humid air on wettability-engineered surfaces. <i>Experimental Thermal and Fluid Science</i> , 2019, 109, 109859.	2.7	14
13	Arduino based temperature and humidity control for condensation on wettability engineered surfaces. , 2018, , .		7
14	Filmwise Condensation From Humid Air on a Vertical Superhydrophilic Surface: Explicit Roles of the Humidity Ratio Difference and the Degree of Subcooling. <i>Journal of Heat Transfer</i> , 2021, 143, .	2.1	7
15	Influence of conductive porous electrodes on the apparent electrode kinetics of fenitrothion. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116200.	3.8	4
16	Label-Free Cell Migration Assay Using Magnetic Exclusion. <i>Advanced Materials Technologies</i> , 0, , 2101033.	5.8	2
17	Energy and Exergy-Aware Workload Assignment for Air-Cooled Data Centers. , 2021, , .		0