

Sanjay Kumar

List of Publications by Year in descending order

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27
papers

837
citations

566801

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525886

27
g-index

27
all docs

27
docs citations

27
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in thermal comfort studies in classrooms over last 50 years and way forward. Energy and Buildings, 2019, 188-189, 149-174.	3.1	105
2	An adaptive approach to define thermal comfort zones on psychrometric chart for naturally ventilated buildings in composite climate of India. Building and Environment, 2016, 109, 135-153.	3.0	94
3	Status of thermal comfort in naturally ventilated classrooms during the summer season in the composite climate of India. Building and Environment, 2018, 128, 287-304.	3.0	94
4	Thermal comfort assessment and characteristics of occupant's behaviour in naturally ventilated buildings in composite climate of India. Energy for Sustainable Development, 2016, 33, 108-121.	2.0	81
5	Field study on indoor thermal comfort of office buildings using evaporative cooling in the composite climate of India. Energy and Buildings, 2019, 199, 145-163.	3.1	52
6	Progress, challenges and future prospects of plasmonic nanofluid based direct absorption solar collectors – A state-of-the-art review. Solar Energy, 2021, 227, 365-425.	2.9	51
7	Evaluation of comfort preferences and insights into behavioural adaptation of students in naturally ventilated classrooms in a tropical country, India. Building and Environment, 2018, 143, 532-547.	3.0	40
8	Comparative study of thermal comfort and adaptive actions for modern and traditional multi-storey naturally ventilated hostel buildings during monsoon season in India. Journal of Building Engineering, 2019, 23, 90-106.	1.6	39
9	Experimental investigation of a direct absorption solar collector using ultra stable gold plasmonic nanofluid under real outdoor conditions. Renewable Energy, 2020, 162, 1958-1969.	4.3	39
10	Thermal performance and comfort potential estimation in low-rise high thermal mass naturally ventilated office buildings in India: An experimental study. Journal of Building Engineering, 2018, 20, 569-584.	1.6	36
11	Development of mathematical correlations for indoor temperature from field observations of the performance of high thermal mass buildings in India. Building and Environment, 2017, 122, 324-342.	3.0	32
12	A Global Building Occupant Behavior Database. Scientific Data, 2022, 9, .	2.4	31
13	Finite element analysis for predicting the vibration characteristics of natural fiber reinforced epoxy composites. Materials Today: Proceedings, 2021, 41, 223-227.	0.9	27
14	Occupant's thermal comfort expectations in naturally ventilated engineering workshop building: A case study at high metabolic rates. Energy and Buildings, 2020, 217, 109970.	3.1	26
15	Field investigation on occupant's thermal comfort and preferences in naturally ventilated multi-storey hostel buildings over two seasons in India. Building and Environment, 2019, 163, 106309.	3.0	23
16	Potential of MWCNT/R134a nanorefrigerant on performance and energy consumption of vapor compression cycle: a domestic application. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	14
17	Adaptive thermal comfort study of workers in a mini-industrial unit during summer and winter season in a tropical country, India. Building and Environment, 2021, 197, 107874.	3.0	10
18	Thermal performance analysis of a novel direct absorption solar collector augmented solar still using silver nanofluids. Environmental Progress and Sustainable Energy, 2022, 41, .	1.3	8

#	ARTICLE	IF	CITATIONS
19	Thermal performance and comfort assessment of U-shape and helical shape earth-air heat exchanger in India. <i>Energy and Built Environment</i> , 2022, 3, 171-180.	2.9	7
20	Seasonal comfort temperature and occupant's adaptive behaviour in a naturally ventilated university workshop building under the composite climate of India. <i>Journal of Building Engineering</i> , 2021, 40, 102701.	1.6	6
21	Quantification of thermal environments and comfort expectations of residents in hostel dormitories during hot and humid days in Indian composite climate. <i>Advances in Building Energy Research</i> , 2020, , 1-35.	1.1	5
22	Experimental investigation of a volumetric solar collector using natural extract of <i>Azadirachta Indica</i> based heat transfer fluids. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102325.	1.7	5
23	Subject's thermal adaptation in different built environments: An analysis of updated metadata-base of thermal comfort data in India. <i>Journal of Building Engineering</i> , 2022, 46, 103844.	1.6	4
24	Experimental study to measure the transmission loss of double panel natural fibers. <i>Materials Today: Proceedings</i> , 2020, 26, 482-486.	0.9	3
25	Quantification of indoor environments and study of thermal comfort in naturally hostel buildings in the tropical country, India. <i>E3S Web of Conferences</i> , 2019, 111, 02059.	0.2	2
26	Investigation on Subjects'™ Seasonal Perception and Adaptive Actions in Naturally Ventilated Hostel Dormitories in the Composite Climate Zone of India. <i>Sustainability</i> , 2022, 14, 4997.	1.6	2
27	Comparative thermal performance enhancement study of a reverse - irradiated and direct - irradiated direct absorption solar collector using silver nanofluid. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 3823-3835.	1.2	1