

# Sanjay Kumar

## List of Publications by Year in descending order

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27  
papers

837  
citations

567281  
15  
h-index

526287  
27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal performance and comfort assessment of U-shape and helical shape earth-air heat exchanger in India. Energy and Built Environment, 2022, 3, 171-180.	5.9	7
2	Subject's thermal adaptation in different built environments: An analysis of updated metadata-base of thermal comfort data in India. Journal of Building Engineering, 2022, 46, 103844.	3.4	4
3	Thermal performance analysis of a novel direct absorption solar collector augmented solar still using silver nanofluids. Environmental Progress and Sustainable Energy, 2022, 41, .	2.3	8
4	Investigation on Subjectsâ€™ Seasonal Perception and Adaptive Actions in Naturally Ventilated Hostel Dormitories in the Composite Climate Zone of India. Sustainability, 2022, 14, 4997.	3.2	2
5	Comparative thermal performance enhancement study of a reverse - irradiated and direct - irradiated direct absorption solar collector using silver nanofluid. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 3823-3835.	2.3	1
6	Experimental investigation of a volumetric solar collector using natural extract of Azadirachta Indica based heat transfer fluids. Sustainable Energy Technologies and Assessments, 2022, 52, 102325.	2.7	5
7	A Global Building Occupant Behavior Database. Scientific Data, 2022, 9, .	5.3	31
8	Finite element analysis for predicting the vibration characteristics of natural fiber reinforced epoxy composites. Materials Today: Proceedings, 2021, 41, 223-227.	1.8	27
9	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.	6.9	10
10	Seasonal comfort temperature and occupant's adaptive behaviour in a naturally ventilated university workshop building under the composite climate of India. Journal of Building Engineering, 2021, 40, 102701.	3.4	6
11	Progress, challenges and future prospects of plasmonic nanofluid based direct absorption solar collectors â€“ A state-of-the-art review. Solar Energy, 2021, 227, 365-425.	6.1	51
12	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.	1.6	14
13	Experimental study to measure the transmission loss of double panel natural fibers. Materials Today: Proceedings, 2020, 26, 482-486.	1.8	3
14	Experimental investigation of a direct absorption solar collector using ultra stable gold plasmonic nanofluid under real outdoor conditions. Renewable Energy, 2020, 162, 1958-1969.	8.9	39
15	Quantification of thermal environments and comfort expectations of residents in hostel dormitories during hot and humid days in Indian composite climate. Advances in Building Energy Research, 2020, , 1-35.	2.3	5
16	Occupant's thermal comfort expectations in naturally ventilated engineering workshop building: A case study at high metabolic rates. Energy and Buildings, 2020, 217, 109970.	6.7	26
17	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.	6.9	23
18	Quantification of indoor environments and study of thermal comfort in naturally hostel buildings in the tropical country, India. E3S Web of Conferences, 2019, 111, 02059.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Progress in thermal comfort studies in classrooms over last 50 years and way forward. Energy and Buildings, 2019, 188-189, 149-174.	6.7	105
20	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.	6.7	52
21	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.	3.4	39
22	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.	6.9	94
23	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.	3.4	36
24	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.	6.9	40
25	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.	6.9	32
26	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.	6.9	94
27	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.	4.5	81