

Nesreen Ghaddar

List of Publications by Citations

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155
papers

2,891
citations

28
h-index

46
g-index

165
ext. papers

3,356
ext. citations

5.2
avg, IF

5.67
L-index

#	Paper	IF	Citations
155	Numerical investigation of incompressible flow in grooved channels. Part 1. Stability and self-sustained oscillations. <i>Journal of Fluid Mechanics</i> , 1986 , 163, 99-127	3.7	200
154	Optimal control strategy for a multi-zone air conditioning system using a genetic algorithm. <i>Energy</i> , 2009 , 34, 58-66	7.9	170
153	Development and testing of a domestic woodstove thermoelectric generator with natural convection cooling. <i>Energy Conversion and Management</i> , 2005 , 46, 1631-1643	10.6	148
152	Numerical investigation of incompressible flow in grooved channels. Part 2. Resonance and oscillatory heat-transfer enhancement. <i>Journal of Fluid Mechanics</i> , 1986 , 168, 541	3.7	129
151	Optimized solar-powered liquid desiccant system to supply building fresh water and cooling needs. <i>Applied Energy</i> , 2011 , 88, 3726-3736	10.7	83
150	Natural convection heat transfer between a uniformly heated cylindrical element and its rectangular enclosure. <i>International Journal of Heat and Mass Transfer</i> , 1992 , 35, 2327-2334	4.9	78
149	Modeling and simulation of solar absorption system performance in Beirut. <i>Renewable Energy</i> , 1997 , 10, 539-558	8.1	70
148	Study of solar regenerated membrane desiccant system to control humidity and decrease energy consumption in office spaces. <i>Applied Energy</i> , 2015 , 138, 121-132	10.7	66
147	A multi-segmented human bioheat model for transient and asymmetric radiative environments. <i>International Journal of Heat and Mass Transfer</i> , 2008 , 51, 5522-5533	4.9	53
146	Modeling of heat and moisture transport by periodic ventilation of thin cotton fibrous media. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 3703-3714	4.9	48
145	Assessing thermal comfort of active people in transitional spaces in presence of air movement. <i>Energy and Buildings</i> , 2011 , 43, 2832-2842	7	47
144	Chilled ceiling and displacement ventilation aided with personalized evaporative cooler. <i>Energy and Buildings</i> , 2011 , 43, 3250-3257	7	46
143	Experimental and Numerical Investigation of the Effect of Phase Change Materials on Clothing During Periodic Ventilation. <i>Textile Research Journal</i> , 2004 , 74, 205-214	1.7	42
142	Mixing ventilation coupled with personalized sinusoidal ventilation: Optimal frequency and flow rate for acceptable air quality. <i>Energy and Buildings</i> , 2017 , 154, 569-580	7	41
141	Experimental and theoretical study of an integrated thermoelectric-photovoltaic system for air dehumidification and fresh water production. <i>International Journal of Energy Research</i> , 2012 , 36, 963-974	4.5	39
140	Stratified storage tank influence on performance of solar water heating system tested in Beirut. <i>Renewable Energy</i> , 1994 , 4, 911-925	8.1	38
139	Human thermal response with improved AVA modeling of the digits. <i>International Journal of Thermal Sciences</i> , 2013 , 67, 41-52	4.1	36

138	Modeling of current and future energy intensity and greenhouse gas emissions of the Lebanese industrial sector: assessment of mitigation options. <i>Applied Energy</i> , 1999 , 63, 53-74	10.7	36
137	Effective desiccant dehumidification system with two-stage evaporative cooling for hot and humid climates. <i>Energy and Buildings</i> , 2014 , 68, 329-338	7	35
136	Effectiveness of intermittent personalized ventilation in protecting occupant from indoor particles. <i>Building and Environment</i> , 2018 , 128, 22-32	6.5	35
135	Solar chimney integrated with passive evaporative cooler applied on glazing surfaces. <i>Energy</i> , 2016 , 115, 169-179	7.9	33
134	A CONSERVATIVE ISOPARAMETRIC SPECTRAL ELEMENT METHOD FOR FORCED CONVECTION; APPLICATION TO FULLY DEVELOPED FLOW IN PERIODIC GEOMETRIES. <i>Numerical Heat Transfer</i> , 1986 , 9, 277-300		33
133	Effectiveness of intermittent personalized ventilation assisting a chilled ceiling for enhanced thermal comfort and acceptable indoor air quality. <i>Building and Environment</i> , 2018 , 144, 9-22	6.5	32
132	PCM cooling vest for improving thermal comfort in hot environment. <i>International Journal of Thermal Sciences</i> , 2016 , 102, 154-167	4.1	31
131	The Energy Saving Potential and the Associated Thermal Comfort of Displacement Ventilation Systems Assisted by Personalised Ventilation. <i>Indoor and Built Environment</i> , 2013 , 22, 508-519	1.8	30
130	Ceiling personalized ventilation combined with desk fans for reduced direct and indirect cross-contamination and efficient use of office space. <i>Energy Conversion and Management</i> , 2016 , 111, 158-173	10.6	29
129	Integrated human-clothing system model for estimating the effect of walking on clothing insulation. <i>International Journal of Thermal Sciences</i> , 2003 , 42, 605-619	4.1	29
128	The effect of PCM placement on torso cooling vest for an active human in hot environment. <i>Building and Environment</i> , 2016 , 107, 29-42	6.5	28
127	A numerical modeling approach to evaluate energy-efficient mechanical ventilation strategies. <i>Energy and Buildings</i> , 2012 , 55, 618-630	7	28
126	Optimal location and thickness of insulation layers for minimizing building energy consumption. <i>Journal of Building Performance Simulation</i> , 2012 , 5, 384-398	2.8	28
125	Use of desiccant dehumidification to improve energy utilization in air-conditioning systems in Beirut. <i>International Journal of Energy Research</i> , 2003 , 27, 1317-1338	4.5	27
124	Chilled ceiling displacement ventilation design charts correlations to employ in optimized system operation for feasible load ranges. <i>Energy and Buildings</i> , 2009 , 41, 1155-1164	7	25
123	Optimized performance of displacement ventilation aided with chair fans for comfort and indoor air quality. <i>Energy and Buildings</i> , 2016 , 127, 907-919	7	24
122	Elderly bioheat modeling: changes in physiology, thermoregulation, and blood flow circulation. <i>International Journal of Biometeorology</i> , 2014 , 58, 1825-43	3.7	24
121	A mathematical model to predict the effect of electrospinning processing parameters on the morphological characteristic of nano-fibrous web and associated filtration efficiency. <i>Journal of Aerosol Science</i> , 2017 , 113, 227-241	4.3	24

120	Simplified modeling of the electrospinning process from the stable jet region to the unstable region for predicting the final nanofiber diameter. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	23
119	Empirical Evaluation of Convective Heat and Moisture Transport Coefficients in Porous Cotton Medium. <i>Journal of Heat Transfer</i> , 2002 , 124, 530-537	1.8	23
118	Evaporatively-cooled window driven by solar chimney to improve energy efficiency and thermal comfort in dry desert climate. <i>Energy and Buildings</i> , 2017 , 139, 755-761	7	22
117	Ventilation rates of micro-climate air annulus of the clothing-skin system under periodic motion. <i>International Journal of Heat and Mass Transfer</i> , 2005 , 48, 3151-3166	4.9	22
116	A simplified mathematical model for predicting cross contamination in displacement ventilation air-conditioned spaces. <i>Journal of Aerosol Science</i> , 2014 , 76, 72-86	4.3	21
115	Chilled ceiling and displacement ventilation system for energy savings: A case study. <i>International Journal of Energy Research</i> , 2007 , 31, 743-759	4.5	21
114	Chair fan-enhanced displacement ventilation for high IAQ: Effects on particle inhalation and stratification height. <i>Building and Environment</i> , 2015 , 84, 68-79	6.5	19
113	Steady Thermal Comfort by Radiant Heat Transfer: The Impact of the Heater Position. <i>Heat Transfer Engineering</i> , 2006 , 27, 29-40	1.7	19
112	Simplified Thermal Model of Spaces Cooled with Combined Positive Displacement Ventilation and Chilled Ceiling System. <i>HVAC and R Research</i> , 2006 , 12, 1005-1030		19
111	Effect of shifts from occupant design position on performance of ceiling personalized ventilation assisted with desk fan or chair fans. <i>Energy and Buildings</i> , 2016 , 117, 20-32	7	19
110	Cooling vest with optimized PCM arrangement targeting torso sensitive areas that trigger comfort when cooled for improving human comfort in hot conditions. <i>Energy and Buildings</i> , 2017 , 139, 417-425	7	18
109	Simplified model for thermal comfort, IAQ and energy savings in rooms conditioned by displacement ventilation aided with transient personalized ventilation. <i>Energy Conversion and Management</i> , 2018 , 162, 203-217	10.6	18
108	Coaxial personalized ventilation system and window performance for human thermal comfort in asymmetrical environment. <i>Energy and Buildings</i> , 2016 , 111, 253-266	7	18
107	Mixed-mode ventilation and air conditioning as alternative for energy savings: a case study in Beirut current and future climate. <i>Energy Efficiency</i> , 2018 , 11, 13-30	3	18
106	Innovative PCM-desiccant packet to provide dry microclimate and improve performance of cooling vest in hot environment. <i>Energy Conversion and Management</i> , 2017 , 140, 218-227	10.6	16
105	Experimental study on using PCMs of different melting temperatures in one cooling vest to reduce its weight and improve comfort. <i>Energy and Buildings</i> , 2017 , 155, 533-545	7	16
104	The effect of human breathing on the effectiveness of intermittent personalized ventilation coupled with mixing ventilation. <i>Building and Environment</i> , 2020 , 174, 106755	6.5	16
103	An optimal two-bout strategy with phase change material cooling vests to improve comfort in hot environment. <i>Journal of Thermal Biology</i> , 2018 , 72, 10-25	2.9	16

102	Displacement ventilation with cooled liquid desiccant dehumidification membrane at ceiling; modeling and design charts. <i>Energy</i> , 2017 , 139, 1003-1015	7.9	16
101	Sustainable cooling system for Kuwait hot climate combining diurnal radiative cooling and indirect evaporative cooling system. <i>Energy</i> , 2020 , 213, 119045	7.9	16
100	Effect of flow disturbance induced by walking on the performance of personalized ventilation coupled with mixing ventilation. <i>Building and Environment</i> , 2019 , 160, 106217	6.5	15
99	Evaporative cooler improves transient thermal comfort in chilled ceiling displacement ventilation conditioned space. <i>Energy and Buildings</i> , 2013 , 61, 51-60	7	15
98	Strategies for reducing energy consumption in existing office buildings. <i>International Journal of Sustainable Energy</i> , 2013 , 32, 259-275	2.7	15
97	Modulated Air Layer Heat and Moisture Transport by Ventilation and Diffusion From Clothing With Open Aperture. <i>Journal of Heat Transfer</i> , 2005 , 127, 287-297	1.8	15
96	Effect of individually controlled personalized ventilation on cross-contamination due to respiratory activities. <i>Building and Environment</i> , 2021 , 194, 107719	6.5	15
95	Electrospun waterproof breathable membrane with a high level of aerosol filtration. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45660	2.9	15
94	Coupling CFD and analytical modeling for investigation of monolayer particle resuspension by transient flows. <i>Building and Environment</i> , 2016 , 105, 1-12	6.5	14
93	Low-mixing coaxial nozzle for effective personalized ventilation. <i>Indoor and Built Environment</i> , 2015 , 24, 225-243	1.8	14
92	Displacement ventilation zonal model for particle distribution resulting from high momentum respiratory activities. <i>Building and Environment</i> , 2015 , 90, 1-14	6.5	13
91	Experimental and Theoretical Study of an Optimized Integrated Solar Desalination and Air Conditioning Unit. <i>International Journal of Green Energy</i> , 2011 , 8, 81-99	3	13
90	Energy Consumption and Feasibility Study of a Hybrid Desiccant Dehumidification Air Conditioning System in Beirut. <i>International Journal of Green Energy</i> , 2008 , 5, 360-372	3	13
89	Effect of stove asymmetric radiation field on thermal comfort using a multisegmented bioheat model. <i>Building and Environment</i> , 2008 , 43, 1241-1249	6.5	13
88	Performance evaluation of the displacement ventilation combined with evaporative cooled ceiling for a typical office in Beirut. <i>Energy Conversion and Management</i> , 2015 , 105, 655-664	10.6	12
87	Effectiveness of contaminant confinement in office spaces equipped with ceiling personalized ventilation system. <i>Building Simulation</i> , 2018 , 11, 773-786	3.9	12
86	New airborne pathogen transport model for upper-room UVGI spaces conditioned by chilled ceiling and mixed displacement ventilation: Enhancing air quality and energy performance. <i>Energy Conversion and Management</i> , 2014 , 85, 50-61	10.6	12
85	Experimental and Theoretical Study of Ventilation and Heat Loss From Isothermally Heated Clothed Vertical Cylinder in Uniform Flow Field. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2010 , 77,	2.7	12

84	Increasing energy efficiency of displacement ventilation integrated with an evaporative-cooled ceiling for operation in hot humid climate. <i>Energy and Buildings</i> , 2015 , 105, 26-36	7	11
83	Performance of combined displacement ventilation and cooled ceiling liquid desiccant membrane system in Beirut climate. <i>Journal of Building Performance Simulation</i> , 2016 , 9, 648-662	2.8	11
82	Natural ventilation in Beirut residential buildings for extended comfort hours. <i>International Journal of Sustainable Energy</i> , 2016 , 35, 996-1013	2.7	11
81	Effectiveness of the earth tube heat exchanger system coupled to a space model in achieving thermal comfort in rural areas. <i>International Journal of Sustainable Energy</i> , 2014 , 33, 567-586	2.7	11
80	Experimental study of a refrigerant charged solar collector. <i>International Journal of Energy Research</i> , 1998 , 22, 625-638	4.5	11
79	Hybrid cooling system integrating PCM-desiccant dehumidification and personal evaporative cooling for hot and humid climates. <i>Journal of Building Engineering</i> , 2021 , 33, 101580	5.2	11
78	Predicting segmental and overall ventilation of ensembles using an integrated bioheat and clothed cylinder ventilation models. <i>Textile Reseach Journal</i> , 2014 , 84, 2198-2213	1.7	10
77	Experimental and Theoretical Study of Transient Human Thermal Comfort Response in Convective and Radiative Environments. <i>HVAC and R Research</i> , 2009 , 15, 855-873		10
76	Optimized selection and operation of the combined chilled ceiling system and displacement ventilation. <i>International Journal of Energy Research</i> , 2010 , 34, 1328-1340	4.5	10
75	Evaluating performance of hybrid PCM-fan and hybrid PCM-desiccant vests in moderate and hot climates. <i>Journal of Building Engineering</i> , 2019 , 22, 383-396	5.2	10
74	Design charts for sizing CC / DV system aided with personalized evaporative cooler to the desired thermal comfort. <i>Energy and Buildings</i> , 2015 , 86, 203-213	7	9
73	Electrospun nanofibrous polyvinylidene fluoride-co-hexafluoropropylene membranes for oil/water separation. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49394	2.9	9
72	Bioheat modeling of elderly and young for prediction of physiological and thermal responses in heat-stressful conditions. <i>Journal of Thermal Biology</i> , 2020 , 88, 102533	2.9	9
71	Electric circuit analogy of heat losses of clothed walking human body in windy environment. <i>International Journal of Thermal Sciences</i> , 2018 , 127, 105-116	4.1	9
70	Humidity control of liquid desiccant membrane ceiling and displacement ventilation system. <i>Applied Thermal Engineering</i> , 2018 , 144, 1-12	5.8	9
69	Micro-particle indoor resuspension under periodic airflows: A numerical-analytical study and experimentations. <i>Building and Environment</i> , 2017 , 123, 299-314	6.5	9
68	The Optimized Operation of a Solar Hybrid Desiccant/Displacement Ventilation Combined with a Personalized Evaporative Cooler. <i>International Journal of Green Energy</i> , 2014 , 11, 141-160	3	9
67	A new mathematical model to simulate AVA cold-induced vasodilation reaction to local cooling. <i>International Journal of Biometeorology</i> , 2014 , 58, 1905-18	3.7	9

66	Evaluation of the Hall parameter of electrolyte solutions in thermosyphonic MHD flow. <i>International Journal of Engineering Science</i> , 2002 , 40, 2041-2056	5.7	9
65	Particles dispersion due to human prostration cycle and ventilation system in a prayer room. <i>Building and Environment</i> , 2019 , 150, 44-59	6.5	9
64	Experimental and numerical study of back-cooling car-seat system using embedded heat pipes to improve passenger comfort. <i>Energy Conversion and Management</i> , 2017 , 144, 123-131	10.6	8
63	Cascaded liquid desiccant system for humidity control in space conditioned by cooled membrane ceiling and displacement ventilation. <i>Energy Conversion and Management</i> , 2019 , 195, 1212-1226	10.6	8
62	Effect of inter-segmental air exchanges on local and overall clothing ventilation. <i>Textile Research Journal</i> , 2016 , 86, 423-439	1.7	8
61	Influence of cervical spinal cord injury on thermoregulatory and cardiovascular responses in the human body: Literature review. <i>Journal of Clinical Neuroscience</i> , 2019 , 69, 7-14	2.2	8
60	Daytime radiative cooling: To what extent it enhances office cooling system performance in comparison to night cooling in semi-arid climate?. <i>Journal of Building Engineering</i> , 2020 , 28, 101020	5.2	8
59	Evaluation of different personalized ventilation air terminal devices: Inhalation vs. clothing-mediated exposures. <i>Building and Environment</i> , 2021 , 192, 107637	6.5	8
58	Optimizing performance of ceiling-mounted personalized ventilation system assisted by chair fans: Assessment of thermal comfort and indoor air quality. <i>Science and Technology for the Built Environment</i> , 2016 , 22, 412-430	1.8	8
57	Comparison of removal effectiveness of mixed versus displacement ventilation during vacuuming session. <i>Building and Environment</i> , 2019 , 155, 118-126	6.5	7
56	A novel M-cycle evaporative cooling vest for enhanced comfort of active human in hot environment. <i>International Journal of Thermal Sciences</i> , 2019 , 142, 1-13	4.1	7
55	Development of heat stress charts for older people under indoor environmental conditions. <i>Energy and Buildings</i> , 2020 , 224, 110274	7	7
54	Solar-assisted localized ventilation system for poultry brooding. <i>Energy and Buildings</i> , 2014 , 71, 142-154	7	7
53	Upper room UVGI effectiveness with dispersed pathogens at different droplet sizes in spaces conditioned by chilled ceiling and mixed displacement ventilation system. <i>Building and Environment</i> , 2015 , 87, 117-128	6.5	7
52	Simulation of a localized heating system for broiler brooding to improve energy performance. <i>International Journal of Energy Research</i> , 2014 , 38, 125-138	4.5	7
51	A sustainable localised air distribution system for enhancing thermal environment and indoor air quality of poultry house for semiarid region. <i>Biosystems Engineering</i> , 2021 , 203, 70-92	4.8	7
50	Integrated solar Windcatcher with dew-point indirect evaporative cooler for classrooms. <i>Applied Thermal Engineering</i> , 2021 , 188, 116654	5.8	7
49	Modified upright cup method for testing water vapor permeability in porous membranes. <i>Energy</i> , 2020 , 195, 117057	7.9	6

48	Influence of mixed and displacement air distribution systems' design on concentrations of micro-particles emitted from floor or generated by breathing. <i>Journal of Building Engineering</i> , 2019 , 26, 100855	5.2	6
47	Coupled CFD and particle resuspension models under combined effect of mechanical and aerodynamic disturbances. <i>Building and Environment</i> , 2020 , 169, 106567	6.5	6
46	Significance of PCM arrangement in cooling vest for enhancing comfort at varied working periods and climates: Modeling and experimentation. <i>Applied Thermal Engineering</i> , 2018 , 145, 772-790	5.8	6
45	Case Study of Trombe Wall Inducing Natural Ventilation through Cooled Basement Air to Meet Space Cooling Needs. <i>Journal of Energy Engineering - ASCE</i> , 2017 , 143, 04016039	1.7	5
44	Sustainable design guidelines for detached housing in the Lebanese inland region. <i>International Journal of Sustainable Built Environment</i> , 2012 , 1, 177-193		5
43	An altered Bioheat model for persons with cervical spinal cord injury. <i>Journal of Thermal Biology</i> , 2018 , 77, 96-110	2.9	5
42	Performance of hybrid PCM-Fan vest with deferred fan operation in transient heat flows from active human in hot dry environment. <i>Building and Environment</i> , 2018 , 144, 334-348	6.5	5
41	Hybrid mixed ventilation system aided with personalised ventilation to attain comfort and save energy. <i>International Journal of Sustainable Energy</i> , 2020 , 39, 964-981	2.7	4
40	Transient transport model of particles resulting from high momentum respiratory activities: Inter-personal exposure. <i>Building and Environment</i> , 2015 , 94, 54-67	6.5	4
39	Testing and Modeling Thermosyphonic Closed-Loop Magnetohydrodynamic Electrolyte Flow. <i>Journal of Thermophysics and Heat Transfer</i> , 2003 , 17, 129-137	1.3	4
38	Novel personalized chair-ventilation design integrated with displacement ventilation for cross-contamination mitigation in classrooms. <i>Building and Environment</i> , 2022 , 213, 108885	6.5	4
37	Model-based adaptive controller for personalized ventilation and thermal comfort in naturally ventilated spaces. <i>Building Simulation</i> , 2021 , 14, 1757-1771	3.9	4
36	Model-based multivariable regression model for thermal comfort in naturally ventilated spaces with personalized ventilation. <i>Journal of Building Performance Simulation</i> , 2021 , 14, 78-93	2.8	4
35	Comparative analysis of sustainable desiccant Evaporative based ventilation systems for a typical Qatari poultry house. <i>Energy Conversion and Management</i> , 2021 , 245, 114556	10.6	4
34	Improving local ventilation prediction by accounting for inter-segmental ventilation. <i>Textile Reseach Journal</i> , 2017 , 87, 511-527	1.7	3
33	Impact of integrating desiccant dehumidification processes to conventional AC system on urban microclimate and energy use in Beirut city. <i>Energy Conversion and Management</i> , 2017 , 153, 374-390	10.6	3
32	Modeling of indoor particulate matter deposition to occupant typical wrinkled shirt surface. <i>Building and Environment</i> , 2020 , 179, 106965	6.5	3
31	Experimental study on the effectiveness of the PCM cooling vest in persons with paraplegia of varying levels. <i>Journal of Thermal Biology</i> , 2020 , 91, 102634	2.9	3

30	Determination of segmental and overall ventilation of clothed walking human by means of electric circuit analogy. <i>Textile Research Journal</i> , 2018 , 88, 586-601	1.7	3
29	Localized air-conditioning with upper-room UVGI to reduce airborne bacteria cross-infection. <i>Building Simulation</i> , 2016 , 9, 63-74	3.9	3
28	Experimental Study on Effective Placement of PCM Packets in Cooling Vest to Improve Performance in Warm Environment 2017 ,		3
27	Performance Evaluation of Displacement Ventilation System Combined with a Novel Evaporative Cooled Ceiling for a Typical Office in the City of Beirut. <i>Energy Procedia</i> , 2015 , 75, 1728-1733	2.3	3
26	Improved thermal performance of face mask using phase change material. <i>Textile Research Journal</i> , 2014 , 84, 854-870	1.7	3
25	Ceiling-Mounted Fresh Air Personalized Ventilator System for Occupant-Controlled Microenvironment 2012 ,		3
24	A Clothing Ventilation and Heat Loss Electric Circuit Model with Natural Convection for a Clothed Swinging Arm of a Walking Human. <i>Heat Transfer Engineering</i> , 2019 , 40, 330-345	1.7	3
23	Photovoltaic-thermal (PV/t) panel to minimize electrical and air conditioning energy consumption of a typical office in Beirut. <i>International Journal of Green Energy</i> , 2016 , 13, 383-394	3	2
22	HEAT AND MOISTURE TRANSPORT FROM A SWINGING LIMB OF A CLOTHED WALKING HUMAN 2006 ,		2
21	Feasibility of MOF-based carbon capture from indoor spaces as air revitalization system. <i>Energy and Buildings</i> , 2021 , 111666	7	2
20	Solar-assisted desiccant dehumidification system to improve performance of evaporatively cooled window in hot and -humid climates. <i>Applied Thermal Engineering</i> , 2020 , 179, 115726	5.8	2
19	Modeling and optimization of poultry house passive cooling strategies in semiarid climates. <i>International Journal of Energy Research</i> ,	4.5	2
18	The effectiveness of evaporative cooling vest with ventilation fans on the thermal state of persons with paraplegia during exercise. <i>Building and Environment</i> , 2021 , 206, 108356	6.5	2
17	Would personal cooling vest be effective for use during exercise by people with thoracic spinal cord injury?. <i>Journal of Thermal Biology</i> , 2019 , 82, 123-141	2.9	1
16	Effect of Moisture Transport on Mixed Convection in Vertical Annulus of a Heated Clothed Vertical Wet Cylinder in Uniform Cross Wind 2010 ,		1
15	Radiant Domestic Combustion Stove System: Experimental and Simulated Study of Energy Use and Thermal Comfort. <i>International Journal of Green Energy</i> , 2005 , 2, 287-306	3	1
14	Analytical Model of a Side-Heated Free Convection Loop Placed in a Transverse Magnetic Field. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 1998 , 120, 62-69	2.1	1
13	A metamodel for long-term thermal comfort in non-air-conditioned buildings. <i>Architectural Engineering and Design Management</i> , 2020 , 16, 441-472	1.2	1

12	Life cycle assessment of desiccant Dew point evaporative cooling systems with water reclamation for poultry houses in hot and humid climate. <i>Applied Thermal Engineering</i> , 2022 , 210, 118419	5.8	1
11	Moisture buffering capacity of novel solar-regenerated rotating hygroscopic curtain system. <i>International Journal of Energy Research</i> , 2015 , 39, 1942-1953	4.5	0
10	Ventilation increase using radiative cooling and phase change material at no additional energy cost in high ambient temperature countries. <i>Science and Technology for the Built Environment</i> , 1-16	1.8	0
9	Ten questions concerning the paradox of minimizing airborne transmission of infectious aerosols in densely occupied spaces via sustainable ventilation and other strategies in hot and humid climates.. <i>Building and Environment</i> , 2022 , 214, 108901	6.5	0
8	Diurnal Selective Radiative Cooling Impact in Mitigating Urban Heat Island Effect. <i>Sustainable Cities and Society</i> , 2022 , 83, 103932	10.1	0
7	Effective mitigation of cross-contamination in classroom conditioned by intermittent air jet cooling with use of portable air cleaners. <i>Building and Environment</i> , 2022 , 219, 109220	6.5	0
6	Modeling of Heat and Moisture Transfer in Porous Textile Medium Subject to External Wind: Improving Clothing Design 2018 , 885-916		
5	Ventilation, Personalized: Energy Efficient Devices 2014 , 2019-2029		
4	Numerical and Experimental Investigation of the Effect of Phase Change Materials on Clothing During Periodic Ventilation 2003 , 205		
3	Modeling of Heat and Moisture Transfer in Porous Textile Medium Subject to External Wind: Improving Clothing Design 2017 , 1-32		
2	Comprehensive model of upper human body clothing ventilation in standing and walking conditions. <i>Journal of Engineered Fibers and Fabrics</i> , 2018 , 13, 155892501882072	0.9	
1	Effect of Phase Change Material Cooling Vests on Body Thermoregulation and Thermal Comfort of Patients With Paraplegia: A Human Subject Experimental Study. <i>Global Spine Journal</i> , 2021 , 21925682211049167	2.7	