Nesreen Ghaddar

List of Publications by Year
in descending order

165	3,920	147566	174990
papers	citations	31 h-index	52 g-index

165	165	165	2289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical investigation of incompressible flow in grooved channels. Part 1. Stability and self-sustained oscillations. Journal of Fluid Mechanics, 1986, 163, 99-127.	1.4	239
2	Optimal control strategy for a multi-zone air conditioning system using a genetic algorithm. Energy, 2009, 34, 58-66.	4.5	213
3	Development and testing of a domestic woodstove thermoelectric generator with natural convection cooling. Energy Conversion and Management, 2005, 46, 1631-1643.	4.4	183
4	Numerical investigation of incompressible flow in grooved channels. Part 2. Resonance and oscillatory heat-transfer enhancement. Journal of Fluid Mechanics, 1986, 168, 541.	1.4	141
5	Optimized solar-powered liquid desiccant system to supply building fresh water and cooling needs. Applied Energy, 2011, 88, 3726-3736.	5.1	98
6	Natural convection heat transfer between a uniformly heated cylindrical element and its rectangular enclosure. International Journal of Heat and Mass Transfer, 1992, 35, 2327-2334.	2.5	92
7	Modeling and simulation of solar absorption system performance in Beirut. Renewable Energy, 1997, 10, 539-558.	4.3	82
8	Study of solar regenerated membrane desiccant system to control humidity and decrease energy consumption in office spaces. Applied Energy, 2015, 138, 121-132.	5.1	76
9	A multi-segmented human bioheat model for transient and asymmetric radiative environments. International Journal of Heat and Mass Transfer, 2008, 51, 5522-5533.	2.5	64
10	Modeling of heat and moisture transport by periodic ventilation of thin cotton fibrous media. International Journal of Heat and Mass Transfer, 2002, 45, 3703-3714.	2.5	59
11	Experimental and theoretical study of an integrated thermoelectric-photovoltaic system for air dehumidification and fresh water production. International Journal of Energy Research, 2012, 36, 963-974.	2.2	56
12	Human thermal response with improved AVA modeling of the digits. International Journal of Thermal Sciences, 2013, 67, 41-52.	2.6	55
13	Assessing thermal comfort of active people in transitional spaces in presence of air movement. Energy and Buildings, 2011, 43, 2832-2842.	3.1	54
14	Effectiveness of intermittent personalized ventilation in protecting occupant from indoor particles. Building and Environment, 2018, 128, 22-32.	3.0	52
15	PCM cooling vest for improving thermal comfort in hot environment. International Journal of Thermal Sciences, 2016, 102, 154-167.	2.6	50
16	Chilled ceiling and displacement ventilation aided with personalized evaporative cooler. Energy and Buildings, 2011, 43, 3250-3257.	3.1	49
17	Mixing ventilation coupled with personalized sinusoidal ventilation: Optimal frequency and flow rate for acceptable air quality. Energy and Buildings, 2017, 154, 569-580.	3.1	49
18	Experimental and Numerical Investigation of the Effect of Phase Change Materials on Clothing During Periodic Ventilation. Textile Reseach Journal, 2004, 74, 205-214.	1.1	47

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19	Effectiveness of intermittent personalized ventilation assisting a chilled ceiling for enhanced thermal comfort and acceptable indoor air quality. Building and Environment, 2018, 144, 9-22.	3.0	47
20	The effect of PCM placement on torso cooling vest for an active human in hot environment. Building and Environment, 2016, 107, 29-42.	3.0	43
21	Stratified storage tank influence on performance of solar water heating system tested in Beirut. Renewable Energy, 1994, 4, 911-925.	4.3	42
22	Effective desiccant dehumidification system with two-stage evaporative cooling for hot and humid climates. Energy and Buildings, 2014, 68, 329-338.	3.1	42
23	Optimal location and thickness of insulation layers for minimizing building energy consumption. Journal of Building Performance Simulation, 2012, 5, 384-398.	1.0	41
24	Ceiling personalized ventilation combined with desk fans for reduced direct and indirect cross-contamination and efficient use of office space. Energy Conversion and Management, 2016, 111, 158-173.	4.4	41
25	Elderly bioheat modeling: changes in physiology, thermoregulation, and blood flow circulation. International Journal of Biometeorology, 2014, 58, 1825-1843.	1.3	40
26	Modeling of current and future energyintensity and greenhouse gas emissions ofthe Lebanese industrial sector: assessmentof mitigation options. Applied Energy, 1999, 63, 53-74.	5.1	39
27	Integrated human-clothing system model for estimating the effect of walking on clothing insulation. International Journal of Thermal Sciences, 2003, 42, 605-619.	2.6	38
28	A CONSERVATIVE ISOPARAMETRIC SPECTRAL ELEMENT METHOD FOR FORCED CONVECTION; APPLICATION TO FULLY DEVELOPED FLOW IN PERIODIC GEOMETRIES. Numerical Heat Transfer, 1986, 9, 277-300.	0.5	36
29	Solar chimney integrated with passive evaporative cooler applied on glazing surfaces. Energy, 2016, 115, 169-179.	4.5	35
30	Use of desiccant dehumidification to improve energy utilization in air-conditioning systems in Beirut. International Journal of Energy Research, 2003, 27, 1317-1338.	2.2	34
31	The Energy Saving Potential and the Associated Thermal Comfort of Displacement Ventilation Systems Assisted by Personalised Ventilation. Indoor and Built Environment, 2013, 22, 508-519.	1.5	34
32	Optimized performance of displacement ventilation aided with chair fans for comfort and indoor air quality. Energy and Buildings, 2016, 127, 907-919.	3.1	33
33	Sustainable cooling system for Kuwait hot climate combining diurnal radiative cooling and indirect evaporative cooling system. Energy, 2020, 213, 119045.	4.5	33
34	The effect of human breathing on the effectiveness of intermittent personalized ventilation coupled with mixing ventilation. Building and Environment, 2020, 174, 106755.	3.0	33
35	Effect of individually controlled personalized ventilation on cross-contamination due to respiratory activities. Building and Environment, 2021, 194, 107719.	3.0	33
36	A numerical modeling approach to evaluate energy-efficient mechanical ventilation strategies. Energy and Buildings, 2012, 55, 618-630.	3.1	31

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37	Simplified model for thermal comfort, IAQ and energy savings in rooms conditioned by displacement ventilation aided with transient personalized ventilation. Energy Conversion and Management, 2018, 162, 203-217.	4.4	31
38	Simplified modeling of the electrospinning process from the stable jet region to the unstable region for predicting the final nanofiber diameter. Journal of Applied Polymer Science, 2016, 133, .	1.3	30
39	Mixed-mode ventilation and air conditioning as alternative for energy savings: a case study in Beirut current and future climate. Energy Efficiency, 2018, 11, 13-30.	1.3	29
40	Empirical Evaluation of Convective Heat and Moisture Transport Coefficients in Porous Cotton Medium. Journal of Heat Transfer, 2002, 124, 530-537.	1.2	28
41	Chilled ceiling displacement ventilation design charts correlations to employ in optimized system operation for feasible load ranges. Energy and Buildings, 2009, 41, 1155-1164.	3.1	27
42	Evaporatively-cooled window driven by solar chimney to improve energy efficiency and thermal comfort in dry desert climate. Energy and Buildings, 2017, 139, 755-761.	3.1	27
43	Experimental study on using PCMs of different melting temperatures in one cooling vest to reduce its weight and improve comfort. Energy and Buildings, 2017, 155, 533-545.	3.1	27
44	A mathematical model to predict the effect of electrospinning processing parameters on the morphological characteristic of nano-fibrous web and associated filtration efficiency. Journal of Aerosol Science, 2017, 113, 227-241.	1.8	27
45	Bioheat modeling of elderly and young for prediction of physiological and thermal responses in heat-stressful conditions. Journal of Thermal Biology, 2020, 88, 102533.	1.1	27
46	Ventilation rates of micro-climate air annulus of the clothing-skin system under periodic motion. International Journal of Heat and Mass Transfer, 2005, 48, 3151-3166.	2.5	26
47	Simplified Thermal Model of Spaces Cooled with Combined Positive Displacement Ventilation and Chilled Ceiling System. HVAC and R Research, 2006, 12, 1005-1030.	0.9	26
48	Steady Thermal Comfort by Radiant Heat Transfer: The Impact of the Heater Position. Heat Transfer Engineering, 2006, 27, 29-40.	1.2	26
49	Innovative PCM-desiccant packet to provide dry microclimate and improve performance of cooling vest in hot environment. Energy Conversion and Management, 2017, 140, 218-227.	4.4	26
50	An optimal two-bout strategy with phase change material cooling vests to improve comfort in hot environment. Journal of Thermal Biology, 2018, 72, 10-25.	1.1	26
51	Electrospun waterproof breathable membrane with a high level of aerosol filtration. Journal of Applied Polymer Science, 2018, 135, 45660.	1.3	26
52	Chilled ceiling and displacement ventilation system for energy savings: A case study. International Journal of Energy Research, 2007, 31, 743-759.	2.2	25
53	A simplified mathematical model for predicting cross contamination in displacement ventilation air-conditioned spaces. Journal of Aerosol Science, 2014, 76, 72-86.	1.8	25
54	Chair fan-enhanced displacement ventilation for high IAQ: Effects on particle inhalation and stratification height. Building and Environment, 2015, 84, 68-79.	3.0	25

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55	Effect of shifts from occupant design position on performance of ceiling personalized ventilation assisted with desk fan or chair fans. Energy and Buildings, 2016, 117, 20-32.	3.1	25
56	Cooling vest with optimized PCM arrangement targeting torso sensitive areas that trigger comfort when cooled for improving human comfort in hot conditions. Energy and Buildings, 2017, 139, 417-425.	3.1	25
57	Effect of flow disturbance induced by walking on the performance of personalized ventilation coupled with mixing ventilation. Building and Environment, 2019, 160, 106217.	3.0	24
58	Coaxial personalized ventilation system and window performance for human thermal comfort in asymmetrical environment. Energy and Buildings, 2016, 111, 253-266.	3.1	22
59	Integrated solar â€“ Windcatcher with dew-point indirect evaporative cooler for classrooms. Applied Thermal Engineering, 2021, 188, 116654.	3.0	22
60	Displacement ventilation with cooled liquid desiccant dehumidification membrane at ceiling; modeling and design charts. Energy, 2017, 139, 1003-1015.	4.5	21
61	Upper room UVGI effectiveness with dispersed pathogens at different droplet sizes in spaces conditioned by chilled ceiling and mixed displacement ventilation system. Building and Environment, 2015, 87, 117-128.	3.0	19
62	Coupling CFD and analytical modeling for investigation of monolayer particle resuspension by transient flows. Building and Environment, 2016, 105, 1-12.	3.0	19
63	Electrospun nanofibrous polyvinylidene fluorideâ€coâ€hexafluoropropylene membranes for <scp>oilâ€“water</scp> separation. Journal of Applied Polymer Science, 2020, 137, 49394.	1.3	19
64	Evaluation of different personalized ventilation air terminal devices: Inhalation vs. clothing-mediated exposures. Building and Environment, 2021, 192, 107637.	3.0	19
65	Novel personalized chair-ventilation design integrated with displacement ventilation for cross-contamination mitigation in classrooms. Building and Environment, 2022, 213, 108885.	3.0	19
66	Modulated Air Layer Heat and Moisture Transport by Ventilation and Diffusion From Clothing With Open Aperture. Journal of Heat Transfer, 2005, 127, 287-297.	1.2	18
67	Low-mixing coaxial nozzle for effective personalized ventilation. Indoor and Built Environment, 2015, 24, 225-243.	1.5	18
68	Displacement ventilation zonal model for particle distribution resulting from high momentum respiratory activities. Building and Environment, 2015, 90, 1-14.	3.0	18
69	Electric circuit analogy of heat losses of clothed walking human body in windy environment. International Journal of Thermal Sciences, 2018, 127, 105-116.	2.6	18
70	Hybrid cooling system integrating PCM-desiccant dehumidification and personal evaporative cooling for hot and humid climates. Journal of Building Engineering, 2021, 33, 101580.	1.6	18
71	Strategies for reducing energy consumption in existing office buildings. International Journal of Sustainable Energy, 2013, 32, 259-275.	1.3	17
72	Simulation of a localized heating system for broiler brooding to improve energy performance. International Journal of Energy Research, 2014, 38, 125-138.	2.2	16

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73	Solar-assisted localized ventilation system for poultry brooding. Energy and Buildings, 2014, 71, 142-154.	3.1	16
74	New airborne pathogen transport model for upper-room UVGI spaces conditioned by chilled ceiling and mixed displacement ventilation: Enhancing air quality and energy performance. Energy Conversion and Management, 2014, 85, 50-61.	4.4	16
75	Natural ventilation in Beirut residential buildings for extended comfort hours. International Journal of Sustainable Energy, 2016, 35, 996-1013.	1.3	16
76	Effectiveness of contaminant confinement in office spaces equipped with ceiling personalized ventilation system. Building Simulation, 2018, 11, 773-786.	3.0	16
77	Particles dispersion due to human prostration cycle and ventilation system in a prayer room. Building and Environment, 2019, 150, 44-59.	3.0	16
78	Diurnal Selective Radiative Cooling Impact in Mitigating Urban Heat Island Effect. Sustainable Cities and Society, 2022, 83, 103932.	5.1	16
79	Energy Consumption and Feasibility Study of a Hybrid Desiccant Dehumidification Air Conditioning System in Beirut. International Journal of Green Energy, 2008, 5, 360-372.	2.1	15
80	Evaporative cooler improves transient thermal comfort in chilled ceiling displacement ventilation conditioned space. Energy and Buildings, 2013, 61, 51-60.	3.1	15
81	Cascaded liquid desiccant system for humidity control in space conditioned by cooled membrane ceiling and displacement ventilation. Energy Conversion and Management, 2019, 195, 1212-1226.	4.4	15
82	Evaluating performance of hybrid PCM-fan and hybrid PCM-desiccant vests in moderate and hot climates. Journal of Building Engineering, 2019, 22, 383-396.	1.6	15
83	A sustainable localised air distribution system for enhancing thermal environment and indoor air quality of poultry house for semiarid region. Biosystems Engineering, 2021, 203, 70-92.	1.9	15
84	Effect of stove asymmetric radiation field on thermal comfort using a multisegmented bioheat model. Building and Environment, 2008, 43, 1241-1249.	3.0	14
85	Experimental and Theoretical Study of an Optimized Integrated Solar Desalination and Air Conditioning Unit. International Journal of Green Energy, 2011, 8, 81-99.	2.1	14
86	A new mathematical model to simulate AVA cold-induced vasodilation reaction to local cooling. International Journal of Biometeorology, 2014, 58, 1905-1918.	1.3	14
87	Effectiveness of the earth tube heat exchanger system coupled to a space model in achieving thermal comfort in rural areas. International Journal of Sustainable Energy, 2014, 33, 567-586.	1.3	14
88	Influence of cervical spinal cord injury on thermoregulatory and cardiovascular responses in the human body: Literature review. Journal of Clinical Neuroscience, 2019, 69, 7-14.	0.8	14
89	Modified upright cup method for testing water vapor permeability in porous membranes. Energy, 2020, 195, 117057.	4.5	14
90	Predicting segmental and overall ventilation of ensembles using an integrated bioheat and clothed cylinder ventilation models. Textile Reseach Journal, 2014, 84, 2198-2213.	1.1	13

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91	Optimizing performance of ceiling-mounted personalized ventilation system assisted by chair fans: Assessment of thermal comfort and indoor air quality. Science and Technology for the Built Environment, 2016, 22, 412-430.	0.8	13
92	Experimental and numerical study of back-cooling car-seat system using embedded heat pipes to improve passengerâ€™s comfort. Energy Conversion and Management, 2017, 144, 123-131.	4.4	13
93	Hybrid mixed ventilation system aided with personalised ventilation to attain comfort and save energy. International Journal of Sustainable Energy, 2020, 39, 964-981.	1.3	13
94	Development of heat stress charts for older people under indoor environmental conditions. Energy and Buildings, 2020, 224, 110274.	3.1	13
95	Experimental study of a refrigerant charged solar collector. International Journal of Energy Research, 1998, 22, 625-638.	2.2	12
96	Experimental and Theoretical Study of Transient Human Thermal Comfort Response in Convective and Radiative Environments. HVAC and R Research, 2009, 15, 855-873.	0.9	12
97	Experimental and Theoretical Study of Ventilation and Heat Loss From Isothermally Heated Clothed Vertical Cylinder in Uniform Flow Field. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	1.1	12
98	Increasing energy efficiency of displacement ventilation integrated with an evaporative-cooled ceiling for operation in hot humid climate. Energy and Buildings, 2015, 105, 26-36.	3.1	12
99	Performance evaluation of the displacement ventilation combined with evaporative cooled ceiling for a typical office in Beirut. Energy Conversion and Management, 2015, 105, 655-664.	4.4	12
100	Performance of combined displacement ventilation and cooled ceiling liquid desiccant membrane system in Beirut climate. Journal of Building Performance Simulation, 2016, 9, 648-662.	1.0	12
101	Significance of PCM arrangement in cooling vest for enhancing comfort at varied working periods and climates: Modeling and experimentation. Applied Thermal Engineering, 2018, 145, 772-790.	3.0	12
102	Performance of hybrid PCM-Fan vest with deferred fan operation in transient heat flows from active human in hot dry environment. Building and Environment, 2018, 144, 334-348.	3.0	12
103	Humidity control of liquid desiccant membrane ceiling and displacement ventilation system. Applied Thermal Engineering, 2018, 144, 1-12.	3.0	12
104	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. Building and Environment, 2022, 214, 108901.	3.0	12
105	Life cycle assessment of desiccant â€“ Dew point evaporative cooling systems with water reclamation for poultry houses in hot and humid climate. Applied Thermal Engineering, 2022, 210, 118419.	3.0	12
106	Evaluation of the Hall parameter of electrolyte solutions in thermosyphonic MHD flow. International Journal of Engineering Science, 2002, 40, 2041-2056.	2.7	11
107	Comparison of removal effectiveness of mixed versus displacement ventilation during vacuuming session. Building and Environment, 2019, 155, 118-126.	3.0	11
108	A novel M-cycle evaporative cooling vest for enhanced comfort of active human in hot environment. International Journal of Thermal Sciences, 2019, 142, 1-13.	2.6	11

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109	Experimental study on the effectiveness of the PCM cooling vest in persons with paraplegia of varying levels. Journal of Thermal Biology, 2020, 91, 102634.	1.1	11
110	Model-based adaptive controller for personalized ventilation and thermal comfort in naturally ventilated spaces. Building Simulation, 2021, 14, 1757-1771.	3.0	11
111	Comparative analysis of sustainable desiccant â€“ Evaporative based ventilation systems for a typical Qatari poultry house. Energy Conversion and Management, 2021, 245, 114556.	4.4	11
112	Feasibility of MOF-based carbon capture from indoor spaces as air revitalization system. Energy and Buildings, 2022, 255, 111666.	3.1	11
113	Optimized selection and operation of the combined chilled ceiling system and displacement ventilation. International Journal of Energy Research, 2010, 34, 1328-1340.	2.2	10
114	The Optimized Operation of a Solar Hybrid Desiccant/Displacement Ventilation Combined with a Personalized Evaporative Cooler. International Journal of Green Energy, 2014, 11, 141-160.	2.1	10
115	Effect of inter-segmental air exchanges on local and overall clothing ventilation. Textile Reseach Journal, 2016, 86, 423-439.	1.1	10
116	Micro-particle indoor resuspension under periodic airflows: A numerical-analytical study and experimentations. Building and Environment, 2017, 123, 299-314.	3.0	10
117	Coupled CFD and particle resuspension models under combined effect of mechanical and aerodynamic disturbances. Building and Environment, 2020, 169, 106567.	3.0	10
118	Solar-assisted desiccant dehumidification system to improve performance of evaporatively cooled window in hot and -humid climates. Applied Thermal Engineering, 2020, 179, 115726.	3.0	10
119	Design charts for sizing CC / DV system aided with personalized evaporative cooler to the desired thermal comfort. Energy and Buildings, 2015, 86, 203-213.	3.1	9
120	Influence of mixed and displacement air distribution systems' design on concentrations of micro-particles emitted from floor or generated by breathing. Journal of Building Engineering, 2019, 26, 100855.	1.6	9
121	Effective mitigation of cross-contamination in classroom conditioned by intermittent air jet cooling with use of portable air cleaners. Building and Environment, 2022, 219, 109220.	3.0	9
122	Localized air-conditioning with upper-room UVGI to reduce airborne bacteria cross-infection. Building Simulation, 2016, 9, 63-74.	3.0	8
123	Case Study of Trombe Wall Inducing Natural Ventilation through Cooled Basement Air to Meet Space Cooling Needs. Journal of Energy Engineering - ASCE, 2017, 143, .	1.0	8
124	Daytime radiative cooling: To what extent it enhances office cooling system performance in comparison to night cooling in semi-arid climate?. Journal of Building Engineering, 2020, 28, 101020.	1.6	8
125	Modeling of indoor particulate matter deposition to occupant typical wrinkled shirt surface. Building and Environment, 2020, 179, 106965.	3.0	7
126	Sustainable design guidelines for detached housing in the Lebanese inland region. International Journal of Sustainable Built Environment, 2012, 1, 177-193.	3.2	6

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127	Impact of integrating desiccant dehumidification processes to conventional AC system on urban microclimate and energy use in Beirut city. Energy Conversion and Management, 2017, 153, 374-390.	4.4	6
128	An altered Bioheat model for persons with cervical spinal cord injury. Journal of Thermal Biology, 2018, 77, 96-110.	1.1	6
129	Model-based multivariable regression model for thermal comfort in naturally ventilated spaces with personalized ventilation. Journal of Building Performance Simulation, 2021, 14, 78-93.	1.0	6
130	Ceiling-Mounted Fresh Air Personalized Ventilator System for Occupant-Controlled Microenvironment. , 2012, , .		5
131	Determination of segmental and overall ventilation of clothed walking human by means of electric circuit analogy. Textile Reseach Journal, 2018, 88, 586-601.	1.1	5
132	The effectiveness of evaporative cooling vest with ventilation fans on the thermal state of persons with paraplegia during exercise. Building and Environment, 2021, 206, 108356.	3.0	5
133	Testing and Modeling Thermosyphonic Closed-Loop Magnetohydrodynamic Electrolyte Flow. Journal of Thermophysics and Heat Transfer, 2003, 17, 129-137.	0.9	4
134	Transient transport model of particles resulting from high momentum respiratory activities: Inter-personal exposure. Building and Environment, 2015, 94, 54-67.	3.0	4
135	A Clothing Ventilation and Heat Loss Electric Circuit Model with Natural Convection for a Clothed Swinging Arm of a Walking Human. Heat Transfer Engineering, 2019, 40, 330-345.	1.2	4
136	Modeling and optimization of poultry house passive cooling strategies in semiarid climates. International Journal of Energy Research, 2021, 45, 20795-20811.	2.2	4
137	A metamodel for long-term thermal comfort in non-air-conditioned buildings. Architectural Engineering and Design Management, 2020, 16, 441-472.	1.2	4
138	Improved thermal performance of face mask using phase change material. Textile Reseach Journal, 2014, 84, 854-870.	1.1	3
139	Performance Evaluation of Displacement Ventilation System Combined with a Novel Evaporative Cooled Ceiling for a Typical Office in the City of Beirut. Energy Procedia, 2015, 75, 1728-1733.	1.8	3
140	Photovoltaic-thermal (PV/t) panel to minimize electrical and air conditioning energy consumption of a typical office in Beirut. International Journal of Green Energy, 2016, 13, 383-394.	2.1	3
141	Improving local ventilation prediction by accounting for inter-segmental ventilation. Textile Reseach Journal, 2017, 87, 511-527.	1.1	3
142	Experimental Study on Effective Placement of PCM Packets in Cooling Vest to Improve Performance in Warm Environment. , 2017, , .		3
143	Would personal cooling vest be effective for use during exercise by people with thoracic spinal cord injury?. Journal of Thermal Biology, 2019, 82, 123-141.	1.1	3
144	Ventilation increase using radiative cooling and phase change material at no additional energy cost in high ambient temperature countries. Science and Technology for the Built Environment, 0, , 1-16.	0.8	3

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145	Design and control of MOFs-based indoor humidity pump integrated into the buildingâ€™s ventilated faÃ§ade in hot and humid climates. Energy Conversion and Management, 2022, 268, 115983.	4.4	3
146	Analytical Model of a Side-Heated Free Convection Loop Placed in a Transverse Magnetic Field. Journal of Fluids Engineering, Transactions of the ASME, 1998, 120, 62-69.	0.8	2
147	Moisture buffering capacity of novel solar-regenerated rotating hygroscopic curtain system. International Journal of Energy Research, 2015, 39, 1942-1953.	2.2	2
148	Modeling of Heat and Moisture Transfer in Porous Textile Medium Subject to External Wind: Improving Clothing Design. , 2018, , 885-916.		2
149	Performance of Intermittent Personalized Ventilation Assisting Mixing Ventilation in the Presence of Indoor Disturbance. , 2019, , .		2
150	HEAT AND MOISTURE TRANSPORT FROM A SWINGING LIMB OF A CLOTHED WALKING HUMAN. , 2006, , .		2
151	Radiant Domestic Combustion Stove System: Experimental and Simulated Study of Energy Use and Thermal Comfort. International Journal of Green Energy, 2005, 2, 287-306.	2.1	1
152	Effect of Moisture Transport on Mixed Convection in Vertical Annulus of a Heated Clothed Vertical Wet Cylinder in Uniform Cross Wind. , 2010, , .		1
153	Performance of Coaxial Ceiling-Mounted Personalized Ventilator for Comfort and Good Air Quality. , 2013, , .		1
154	Effect of Phase Change Material Cooling Vests on Body Thermoregulation and Thermal Comfort of Patients With Paraplegia: A Human Subject Experimental Study. Global Spine Journal, 2021, , 219256822110491.	1.2	1
155	Ventilation of Wind-Permeable Clothed Cylinder Subject to Periodic Swinging Motion. , 2007, , .		1
156	Numerical and Experimental Investigation of the Effect of Phase Change Materials on Clothing During Periodic Ventilation. , 2003, , 205.		0
157	Active Learning, Collaborative, and Problem-Based Design Engineering Course Series at the American University of Beirut. , 2008, , .		0
158	Ventilation, Personalized: Energy Efficient Devices. , 2014, , 2019-2029.		0
159	Theoretical and Experimental Estimation of Inter-Segmental Clothing Ventilation and Impact on Human Segmental Heat Losses. , 2015, , .		0
160	Transient Model for Particle Dispersion Generated by High Momentum Respiratory Activities in Spaces Ventilated by Displacement Ventilation System. , 2015, , .		0
161	Performance of Mixing Ventilation System Coupled With Dynamic Personalized Ventilator for Thermal Comfort. , 2017, , .		0
162	A Novel Modeling Approach to Estimate Segmental and Intersegmental Ventilation and Heat Transport From a Walking Clothed Human Using Electric Circuit Analogy. , 2017, , .		0

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163	Comprehensive model of upper human body clothing ventilation in standing and walking conditions. Journal of Engineered Fibers and Fabrics, 2018, 13, 155892501882072.	0.5	0
164	Transient Human Thermal Comfort Response in Convective and Radiative Environments. , 2008, , .		0
165	Modeling of Heat and Moisture Transfer in Porous Textile Medium Subject to External Wind: Improving Clothing Design. , 2017, , 1-32.		0