Amina Meslem

List of Publications by Year
in descending order

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Version: 2024-02-01

44	848	586496	563245
papers	citations	16	28
		h-index	g-index

46	46	46	477
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An alternative air distribution solution for better environmental quality in the ISS crew quarters. International Journal of Ventilation, 2023, 22, 24-39.	0.2	0
2	Experimental investigation of thermal vehicular environment during the summer season. Science and Technology for the Built Environment, 2022, 28, 42-54.	0.8	4
3	Numerical and experimental study of the International Space Station crew quarters ventilation. Journal of Building Engineering, 2021, 41, 102714.	1.6	3
4	Personalized ventilation solutions for reducing CO2 levels in the crew quarters of the International Space Station. Building and Environment, 2021, 204, 108150.	3.0	8
5	Numerical Study of Personalized Ventilation Impact on Occupant Comfort in Enclosed Spaces. , 2021, , .		0
6	Accumulation and spatial distribution of CO2 in the astronaut's crew quarters on the International Space Station. Building and Environment, 2020, 185, 107278.	3.0	16
7	Flow and wall shear rate analysis for a cruciform jet impacting on a plate at short distance. Progress in Computational Fluid Dynamics, 2020, 20, 169.	0.1	17
8	Experimental study of thermal comfort in a vehicle cabin during the summer season. E3S Web of Conferences, 2019, 111, 01048.	0.2	10
9	Experimental and numerical study of the air distribution inside a car cabin. E3S Web of Conferences, 2019, 85, 02014.	0.2	9
10	CFD simulation of a cabin thermal environment with and without human body â€“ thermal comfort evaluation. E3S Web of Conferences, 2018, 32, 01018.	0.2	20
11	Experimental analysis of mixing ventilation efficiency using a vortex diffuser: Comparison to a lobed multicone diffuser. Science and Technology for the Built Environment, 2018, 24, 1041-1053.	0.8	3
12	On the Possibility of CFD Modeling of the Indoor Environment in a Vehicle. Energy Procedia, 2017, 112, 656-663.	1.8	26
13	Experimental Study for the Integration of an Innovative Air Distribution System in Operating Rooms. Energy Procedia, 2017, 112, 613-620.	1.8	2
14	Passive Control Strategy for Mixing Ventilation in Heating and Cooling Modes Using Lobed Inserts. Energy Procedia, 2017, 112, 232-239.	1.8	2
15	The influence of the Inlet angle of vehicle air diffuser on the thermal comfort of passengers. , 2017, , .		11
16	Passive control of wall shear stress and mass transfer generated by submerged lobed impinging jet. Heat and Mass Transfer, 2016, 52, 925-936.	1.2	10
17	Airflow characteristics and thermal comfort generated by a multi-cone ceiling diffuser with and without inserted lobes. Building and Environment, 2016, 108, 143-158.	3.0	14
18	Passive control strategy for mixing ventilation in heating mode using lobed inserts. Energy and Buildings, 2016, 133, 512-528.	3.1	10

#	Article	IF	Citations
19	Thermal Evaluation of an Innovative Type of Unglazed Solar Collector for Air Preheating. Energy Procedia, 2016, 85, 149-155.	1.8	16
20	Thermodynamic investigation on an innovative unglazed transpired solar collector. Solar Energy, 2016, 131, 21-29.	2.9	33
21	PIV and electrodiffusion diagnostics of flow field, wall shear stress and mass transfer beneath three round submerged impinging jets. Experimental Thermal and Fluid Science, 2016, 70, 417-436.	1.5	12
22	Mass transfer and shear rate on a wall normal to an impinging circular jet. Chemical Engineering Science, 2015, 132, 32-45.	1.9	8
23	Thermal comfort models for indoor spaces and vehiclesâ€"Current capabilities and future perspectives. Renewable and Sustainable Energy Reviews, 2015, 44, 304-318.	8.2	97
24	Impinging cross-shaped submerged jet on a flat plate: a comparison of plane and hemispherical orifice nozzles. Meccanica, 2015, 50, 2927-2947.	1.2	10
25	Cross and clover shaped orifice jets analysis at low Reynolds number. Thermal Science, 2015, 19, 2139-2150.	0.5	1
26	Comparison of turbulence models in simulating jet flow from a cross-shaped orifice. European Journal of Mechanics, B/Fluids, 2014, 44, 100-120.	1.2	40
27	Improved inhaled air quality at reduced ventilation rate by control of airflow interaction at the breathing zone with lobed jets. HVAC and R Research, 2014, 20, 238-250.	0.9	17
28	Experimental investigation of jets from rectangular six-lobed and round orifices at very low Reynolds number. Meccanica, 2014, 49, 2419-2437.	1.2	1
29	Flow dynamics and mass transfer in impinging circular jet at low Reynolds number. Comparison of convergent and orifice nozzles. International Journal of Heat and Mass Transfer, 2013, 67, 25-45.	2.5	25
30	NUMERICAL SIMULATION OF A VERY LOW REYNOLDS CROSS-SHAPED JET. Mechanika, 2013, 19, .	0.3	4
31	Experimental Investigation of Vortical Structures in the Near Field of an Axisymmetric Jet by Time-Series Analysis. International Journal of Fluid Mechanics Research, 2013, 40, 91-105.	0.4	2
32	Optimization of Lobed Perforated Panel Diffuser: Numerical Study of Orifice Geometry. Modern Applied Science, 2012, 6, .	0.4	13
33	Wall shear rates and mass transfer in impinging jets: Comparison of circular convergent and cross-shaped orifice nozzles. International Journal of Heat and Mass Transfer, 2012, 55, 282-293.	2.5	37
34	A comparison of three turbulence models for the prediction of parallel lobed jets in perforated panel optimization. Building and Environment, 2011, 46, 2203-2219.	3.0	34
35	Lobed grilles for high mixing ventilation â€“ An experimental analysis in a full scale model room. Building and Environment, 2011, 46, 547-555.	3.0	48
36	Image processing analysis of vortex dynamics of lobed jets from three-dimensional diffusers. Fluid Dynamics Research, 2011, 43, 065502.	0.6	16

#	Article	IF	Citations
37	Experimental investigation of the flow in the near-field of a cross-shaped orifice jet. Physics of Fluids, 2011, 23, 045101.	1.6	28
38	Vortex dynamics and mass entrainment in turbulent lobed jets with and without lobe deflection angles. Experiments in Fluids, 2010, 48, 693-714.	1.1	61
39	Passive mixing control for innovative air diffusion terminal devices for buildings. Building and Environment, 2010, 45, 2679-2688.	3.0	54
40	Time-resolved stereoscopic particle image velocimetry investigation of the entrainment in the near field of circular and daisy-shaped orifice jets. Physics of Fluids, 2010, 22, .	1.6	54
41	Experimental investigation of the mixing performance of a lobed jet flow. Journal of Engineering Physics and Thermophysics, 2008, 81, 106-111.	0.2	10
42	Primary and secondary vortical structures contribution in the entrainment of low Reynolds number jet flows. Experiments in Fluids, 2008, 44, 1027-1033.	1.1	42
43	VORTICAL STRUCTURES ANALYSIS IN JET FLOWS USING A CLASSICAL 2D-PIV SYSTEM AND TIME RESOLVED VISUALIZATION IMAGE PROCESSING. Journal of Flow Visualization and Image Processing, 2008, 15, 275-300.	0.3	7
44	Passive control of jet flows using lobed nozzle geometries. Mecanique Et Industries, 2007, 8, 101-109.	0.2	13