

Zbigniew Popiolek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4051840/publications.pdf>

Version: 2024-02-01

21
papers

760
citations

687363

13
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study of the steady and unsteady flow characteristics of stirred reactors. <i>Journal of Fluid Mechanics</i> , 1987, 175, 537.	3.4	247
2	Integrating CFD and building simulation. <i>Building and Environment</i> , 2002, 37, 865-871.	6.9	93
3	Impact of personal factors and furniture arrangement on the thermal plume above a sitting occupant. <i>Building and Environment</i> , 2012, 49, 104-116.	6.9	64
4	Accuracy Limitations for Low-Velocity Measurements and Draft Assessment in Rooms. <i>HVAC and R Research</i> , 2007, 13, 971-986.	0.6	57
5	Experimentally validated CFD analysis on sampling region determination of average indoor carbon dioxide concentration in occupied space. <i>Building and Environment</i> , 2014, 72, 319-331.	6.9	52
6	Exposure of health care workers and occupants to coughed airborne pathogens in a double-bed hospital patient room with overhead mixing ventilation. <i>HVAC and R Research</i> , 2012, 18, 602-615.	0.6	35
7	Effect of airflow interaction in the breathing zone on exposure to bio-effluents. <i>Building and Environment</i> , 2017, 125, 216-226.	6.9	33
8	Assessment of single-family house thermal renovation based on comprehensive on-site diagnostics. <i>Energy and Buildings</i> , 2018, 158, 162-171.	6.7	26
9	Air distribution measurement in a room with a sidewall jet: A 3D benchmark test for CFD validation. <i>Building and Environment</i> , 2015, 93, 319-330.	6.9	24
10	Accurate assessment of exposure using tracer gas measurements. <i>Building and Environment</i> , 2018, 131, 163-173.	6.9	21
11	On-site diagnosis of hybrid ventilation system in a renovated single-family house. <i>Energy and Buildings</i> , 2017, 149, 123-132.	6.7	18
12	Determination of the integral characteristics of an asymmetrical thermal plume from air speed/velocity and temperature measurements. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 1205-1216.	2.7	17
13	The Improvement of Thermal Comfort and Air Quality in the Historic Assembly Hall of a University. <i>Indoor and Built Environment</i> , 2012, 21, 332-347.	2.8	14
14	Dynamic properties of fast gas concentration meter with nondispersive infrared detector. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 95, 149-155.	5.0	13
15	Methods of the gas concentration sinusoidal and step changes generation for dynamic properties of gas concentration meters testing. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 88, 131-136.	5.0	9
16	Comprehensive On Site Thermal Diagnostics Of Buildings – Polish Practical Experience. <i>Architecture Civil Engineering Environment</i> , 2017, 10, 125-132.	0.6	8
17	Air speed and velocity measurements in a room with a sidewall jet. <i>Data in Brief</i> , 2015, 5, 213-217.	1.0	7
18	Case Study of Thermal Diagnostics of Single-Family House in Temperate Climate. <i>Energies</i> , 2019, 12, 4549.	3.1	6

#	ARTICLE	IF	CITATIONS
19	A reliable method for the assessment of occupantsâ€™ exposure to CO2. Measurement: Journal of the International Measurement Confederation, 2020, 163, 108063.	5.0	6
20	Study of Radial Wall Jets from Ceiling Diffusers at Variable Air Volume. Energies, 2021, 14, 240.	3.1	6
21	Comparison of different methods for the determination of dynamic characteristics of low velocity thermal anemometers. Measurement Science and Technology, 2004, 15, 1709-1715.	2.6	4