

Andrea Frattolillo

List of Publications by Year in descending order

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36
papers

729
citations

430754

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552653

26
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36
all docs

36
docs citations

36
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of natural ventilation and manual airing on indoor air quality in naturally ventilated Italian classrooms. <i>Building and Environment</i> , 2016, 98, 180-189.	3.0	85
2	Evaluation of photovoltaic installations performances in Sardinia. <i>Energy Conversion and Management</i> , 2013, 76, 1134-1142.	4.4	54
3	Smart inverter operation in distribution networks with high penetration of photovoltaic systems. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015, 3, 504-511.	3.3	50
4	Evaluation of uncertainty in measurements based on digitized data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2002, 32, 265-272.	2.5	39
5	Development of a Geographical Information System (GIS) for the Integration of Solar Energy in the Energy Planning of a Wide Area. <i>Sustainability</i> , 2014, 6, 5730-5744.	1.6	34
6	A comprehensive optimization model for flat solar collector coupled with a flat booster bottom reflector based on an exact finite length simulation model. <i>Energy Conversion and Management</i> , 2018, 164, 482-507.	4.4	29
7	An Overview on Functional Integration of Hybrid Renewable Energy Systems in Multi-Energy Buildings. <i>Energies</i> , 2021, 14, 1078.	1.6	29
8	Influence of Measurement Uncertainties on the Thermal Environment Assessment. <i>International Journal of Thermophysics</i> , 2012, 33, 1616-1632.	1.0	28
9	A simplified benchmark of ultrafine particle dispersion in idealized urban street canyons: A wind tunnel study. <i>Building and Environment</i> , 2015, 93, 186-198.	3.0	28
10	Estimating the impact of heat accounting on Italian residential energy consumption in different scenarios. <i>Energy and Buildings</i> , 2018, 168, 385-398.	3.1	28
11	Thermal Characterization of Recycled Materials for Building Insulation. <i>Energies</i> , 2021, 14, 3564.	1.6	24
12	Enhancing energy production in a PV collector "Reflector" system supervised by an optimization model: Experimental analysis and validation. <i>Energy Conversion and Management</i> , 2021, 229, 113774.	4.4	23
13	Flow conditioners efficiency a comparison based on numerical approach. <i>Flow Measurement and Instrumentation</i> , 2002, 13, 1-11.	1.0	22
14	A new heat cost allocation method for social housing. <i>Energy and Buildings</i> , 2018, 172, 67-77.	3.1	22
15	Experimental and numerical assessment of photovoltaic collectors performance dependence on frame size and installation technique. <i>Solar Energy</i> , 2015, 118, 7-19.	2.9	20
16	Potential for Building Façade-Integrated Solar Thermal Collectors in a Highly Urbanized Context. <i>Energies</i> , 2020, 13, 5801.	1.6	20
17	Mean Radiant Temperature Measurements through Small Black Globes under Forced Convection Conditions. <i>Atmosphere</i> , 2021, 12, 621.	1.0	19
18	Effects of hydrophobic treatment on thermophysical properties of lightweight mortars. <i>Experimental Thermal and Fluid Science</i> , 2005, 30, 27-35.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Thermal analysis of a glass bending process. Applied Thermal Engineering, 2005, 25, 2108-2121.	3.0	15
20	Direct and indirect measurement of WBGT index in transversal flow. Measurement: Journal of the International Measurement Confederation, 2001, 29, 127-135.	2.5	14
21	Experimental evaluation of thermal mass smart meters influence factors. Journal of Natural Gas Science and Engineering, 2016, 32, 556-565.	2.1	13
22	Experimental design techniques for optimising measurement chain calibration. Measurement: Journal of the International Measurement Confederation, 2001, 30, 115-127.	2.5	12
23	Tracheobronchial and Alveolar Particle Surface Area Doses in Smokers. Atmosphere, 2017, 8, 19.	1.0	12
24	Daily submicron particle doses received by populations living in different low- and middle-income countries. Environmental Pollution, 2021, 269, 116229.	3.7	11
25	Thermal properties of building walls: Indirect estimation using the inverse method with a harmonic approach. Energy and Buildings, 2019, 187, 257-268.	3.1	10
26	Air Permeability of Naturally Ventilated Italian Classrooms. Energy Procedia, 2015, 78, 3150-3155.	1.8	9
27	Utility Scale Ground Mounted Photovoltaic Plants with Gable Structure and Inverter Oversizing for Land-Use Optimization. Energies, 2021, 14, 3084.	1.6	9
28	Performance Analysis of a Floating Photovoltaic System and Estimation of the Evaporation Losses Reduction. Energies, 2021, 14, 8336.	1.6	9
29	A General Approach for Retrofit of Existing Buildings Towards NZEB: The Windows Retrofit Effects on Indoor Air Quality and the Use of Low Temperature District Heating. , 2018, , .		8
30	Environmental Exposure to Ultrafine Particles inside and nearby a Military Airport. Atmosphere, 2016, 7, 138.	1.0	7
31	Ultrafine Particle Distribution and Chemical Composition Assessment during Military Operative Trainings. International Journal of Environmental Research and Public Health, 2017, 14, 579.	1.2	7
32	A CFD Study on a Calibration System for Contact Temperature Probes. International Journal of Thermophysics, 2009, 30, 306-315.	1.0	6
33	"BIM AND PLANT SYSTEMS: A SPECIFIC ASSESSMENT". Energy Procedia, 2018, 148, 623-630.	1.8	5
34	Experimental and numerical investigation of the effects of wind exposure on historical towns. Energy Procedia, 2017, 133, 312-326.	1.8	4
35	Incidence of the Ventilation Holes and the Mechanical Ventilation Systems of Façade on the Noise Insulation. Energy Procedia, 2016, 101, 265-271.	1.8	3
36	Simplified analytical methods for evaluating the pressure distortion coefficient of controlled-clearance pressure balances. High Temperatures - High Pressures, 2003, 35/36, 81-91.	0.3	3