

# Andrea Gasparella

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1681036/publications.pdf>

Version: 2024-02-01

64  
papers

2,356  
citations

201385

27  
h-index

214527

47  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of active façade control parameters and sensor network complexity on comfort and efficiency: A residential Italian case-study. <i>Energy and Buildings</i> , 2022, 255, 111650.	3.1	7
2	Large scale energy analysis and renovation strategies for social housing in the historic city of Venice. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102041.	1.7	7
3	Evaluation of the main sensitivity drivers in relation to indoor comfort for individuals with autism spectrum disorder. Part 1: Investigation methodology and general results. <i>Energy Reports</i> , 2022, 8, 1907-1920.	2.5	16
4	Cross-Laminated Timber Floor: Analysis of the Acoustic Properties and Radiation Efficiency. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3233.	1.3	3
5	Evaluation of the main sensitivity drivers in relation to indoor comfort for individuals with autism spectrum disorder. Part 2: Influence of age, co-morbidities, gender and type of respondent on the stress caused by specific environmental stimuli. <i>Energy Reports</i> , 2022, 8, 2989-3001.	2.5	13
6	Including the effect of solar radiation in dynamic indoor thermal comfort indices. <i>Renewable Energy</i> , 2021, 165, 151-161.	4.3	14
7	Experimental determination of the building envelope's dynamic thermal characteristics in consideration of hygrothermal modelling – Assessment of methods and sources of uncertainty. <i>Energy and Buildings</i> , 2021, 236, 110798.	3.1	8
8	Acoustic and thermal characterization of a novel sustainable material incorporating recycled microplastic waste. <i>Sustainable Materials and Technologies</i> , 2021, 28, e00274.	1.7	17
9	Thermal comfort in physiotherapy centers: Evaluation of the neutral temperature and interaction with the other comfort domains. <i>Building and Environment</i> , 2021, 206, 108289.	3.0	4
10	Application of Urban Scale Energy Modelling and Multi-Objective Optimization Techniques for Building Energy Renovation at District Scale. <i>Sustainability</i> , 2021, 13, 11554.	1.6	9
11	Extreme reference years for building energy performance simulation. <i>Journal of Building Performance Simulation</i> , 2020, 13, 152-166.	1.0	14
12	Analysis of subjective responses for the evaluation of the indoor environmental quality of an educational building. <i>Science and Technology for the Built Environment</i> , 2020, 26, 195-209.	0.8	5
13	Subjective and objective assessment of thermal comfort in physiotherapy centers. <i>Building and Environment</i> , 2020, 176, 106808.	3.0	10
14	Special issue on the microclimatic boundary conditions in building simulation models. <i>Journal of Building Performance Simulation</i> , 2020, 13, 137-138.	1.0	2
15	Speech intelligibility and listening effort in university classrooms for native and non-native Italian listeners. <i>Building Acoustics</i> , 2019, 26, 275-291.	1.1	17
16	Development of Extreme Reference Years for Building Energy Simulation Scenarios. <i>Applied Mechanics and Materials</i> , 2019, 887, 129-139.	0.2	2
17	A stepwise approach integrating feature selection, regression techniques and cluster analysis to identify primary retrofit interventions on large stocks of buildings. <i>Sustainable Cities and Society</i> , 2019, 47, 101438.	5.1	24
18	Daylighting performance of three-dimensional textiles. <i>Energy and Buildings</i> , 2019, 190, 202-215.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Combined effects of environmental factors on human perception and objective performance: A review of experimental laboratory works. <i>Indoor Air</i> , 2018, 28, 525-538.	2.0	123
20	Comfort and energy performance analysis of different glazing systems coupled with three shading control strategies. <i>Science and Technology for the Built Environment</i> , 2018, 24, 545-558.	0.8	35
21	Using listening effort assessment in the acoustical design of rooms for speech. <i>Building and Environment</i> , 2018, 136, 38-53.	3.0	29
22	Uncertainty propagation of material properties in energy simulation of existing residential buildings: The role of buildings features. <i>Building Simulation</i> , 2018, 11, 449-464.	3.0	16
23	An analysis methodology for large-scale deep energy retrofits of existing building stocks: Case study of the Italian office building. <i>Sustainable Cities and Society</i> , 2018, 41, 296-311.	5.1	78
24	Annual Performance of Sensible and Total Heat Recovery in Ventilation Systems: Humidity Control Constraints for European Climates. <i>Buildings</i> , 2017, 7, 28.	1.4	8
25	Impact of Reference Years on the Outcome of Multi-Objective Optimization for Building Energy Refurbishment. <i>Energies</i> , 2017, 10, 1925.	1.6	15
26	Small-scale biomass gasification CHP systems: Comparative performance assessment and monitoring experiences in South Tyrol (Italy). <i>Energy</i> , 2016, 112, 285-293.	4.5	84
27	Comfort metrics for an integrated evaluation of buildings performance. <i>Energy and Buildings</i> , 2016, 127, 411-424.	3.1	43
28	Experimental measurement of thermophysical properties of H <sub>2</sub> O/KCOOH (potassium formate) desiccant. <i>International Journal of Refrigeration</i> , 2016, 62, 106-113.	1.8	27
29	Energy audit of schools by means of cluster analysis. <i>Energy and Buildings</i> , 2015, 95, 160-171.	3.1	62
30	Monitoring of the energy performance of a district heating CHP plant based on biomass boiler and ORC generator. <i>Applied Thermal Engineering</i> , 2015, 79, 98-107.	3.0	64
31	Three years experimental comparative analysis of a desiccant based air conditioning system for a flower greenhouse: Assessment of different desiccants. <i>Applied Thermal Engineering</i> , 2015, 78, 584-590.	3.0	50
32	Multi-objectives optimization of Energy Efficiency Measures in existing buildings. <i>Energy and Buildings</i> , 2015, 95, 57-69.	3.1	161
33	Analysis and improvement of the representativeness of EN ISO 15927-4 reference years for building energy simulation. <i>Journal of Building Performance Simulation</i> , 2014, 7, 391-410.	1.0	24
34	Thermochemical and Fluid Dynamic Model of a Bench-Scale Torrefaction Reactor. <i>Waste and Biomass Valorization</i> , 2014, 5, 165-173.	1.8	5
35	On the effect of material uncertainties in envelope heat transfer simulations. <i>Energy and Buildings</i> , 2014, 71, 53-60.	3.1	40
36	Passive performance of glazed components in heating and cooling of an open-space office under controlled indoor thermal comfort. <i>Building and Environment</i> , 2014, 72, 131-144.	3.0	49

#	ARTICLE	IF	CITATIONS
37	Multi-year and reference year weather data for building energy labelling in north Italy climates. <i>Energy and Buildings</i> , 2014, 72, 62-72.	3.1	41
38	Biomass gasification systems for residential application: An integrated simulation approach. <i>Applied Thermal Engineering</i> , 2014, 71, 152-160.	3.0	38
39	Internal Versus External Shading Devices Performance in Office Buildings. <i>Energy Procedia</i> , 2014, 45, 463-472.	1.8	65
40	Common reeds ( <i>Phragmites australis</i> ) as sustainable energy source: experimental and modelling analysis of torrefaction and pyrolysis processes. <i>GCB Bioenergy</i> , 2013, 5, 367-374.	2.5	17
41	Comparative experimental analysis and modelling of a flower greenhouse equipped with a desiccant system. <i>Applied Thermal Engineering</i> , 2012, 47, 54-62.	3.0	15
42	Analysis and modelling of window and glazing systems energy performance for a well insulated residential building. <i>Energy and Buildings</i> , 2011, 43, 1030-1037.	3.1	152
43	Thermal dynamic transfer properties of the opaque envelope: Analytical and numerical tools for the assessment of the response to summer outdoor conditions. <i>Energy and Buildings</i> , 2011, 43, 2509-2517.	3.1	47
44	Analysis of the influence of installation thermal bridges on windows performance: The case of clay block walls. <i>Energy and Buildings</i> , 2011, 43, 1435-1442.	3.1	50
45	Experimental analysis on desiccant regeneration in a packed column with structured and random packing. <i>Solar Energy</i> , 2009, 83, 511-521.	2.9	42
46	Energy and environmental analysis of an innovative system based on municipal solid waste (MSW) pyrolysis and combined cycle. <i>Applied Thermal Engineering</i> , 2008, 28, 136-144.	3.0	70
47	HFC-410A vaporisation inside a commercial brazed plate heat exchanger. <i>Experimental Thermal and Fluid Science</i> , 2007, 32, 107-116.	1.5	27
48	Heat transfer and pressure drop during HFC refrigerant vaporisation inside a brazed plate heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 5194-5203.	2.5	77
49	Refrigerant R134a vaporisation heat transfer and pressure drop inside a small brazed plate heat exchanger. <i>International Journal of Refrigeration</i> , 2007, 30, 821-830.	1.8	62
50	Experimental Analysis on Chemical Dehumidification of Air in a Packed Column by Hygroscopic Salt Solution: Comparison between Structured and Random Packings. <i>HVAC and R Research</i> , 2006, 12, 713-729.	0.9	8
51	Experimental and theoretical analysis of heat and mass transfer in a packed column dehumidifier/regenerator with liquid desiccant. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 5240-5254.	2.5	156
52	Analysis of an absorption machine driven by the heat recovery on an I.C. reciprocating engine. <i>International Journal of Energy Research</i> , 2005, 29, 711-722.	2.2	28
53	Combination of ground source heat pumps with chemical dehumidification of air. <i>Applied Thermal Engineering</i> , 2005, 25, 295-308.	3.0	20
54	Experimental Analysis on Chemical Dehumidification of Air by Liquid Desiccant and Desiccant Regeneration in a Packed Tower. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2004, 126, 587-591.	1.1	22

#	ARTICLE	IF	CITATIONS
55	Experimental heat transfer coefficients during refrigerant vaporisation and condensation inside herringbone-type plate heat exchangers with enhanced surfaces. International Journal of Heat and Mass Transfer, 2004, 47, 4125-4136.	2.5	66
56	Indirect evaporative cooling and economy cycle in summer air conditioning. International Journal of Energy Research, 2003, 27, 625-637.	2.2	14
57	Unsteady state analysis of the compression cycle of a hermetic reciprocating compressor. International Journal of Refrigeration, 2003, 26, 681-689.	1.8	26
58	Analysis of a green roof application to an industrial building. International Journal of Ambient Energy, 2003, 24, 35-43.	1.4	7
59	Chemical dehumidification by liquid desiccants: theory and experiment. International Journal of Refrigeration, 1999, 22, 334-347.	1.8	78
60	Technical and economical analysis of heat recovery in building ventilation systems. Applied Thermal Engineering, 1998, 18, 47-67.	3.0	63
61	Theoretical analysis of an open-cycle absorption heating and cooling system. International Journal of Refrigeration, 1996, 19, 160-167.	1.8	12
62	Ammonia-water absorption machines for refrigeration: theoretical and real performances. International Journal of Refrigeration, 1996, 19, 239-246.	1.8	49
63	Experimental report on the reliability of ammonia-water absorption chillers. International Journal of Refrigeration, 1996, 19, 247-256.	1.8	10
64	Lighting conditions in physiotherapy centres: A comparative field study. Lighting Research and Technology, 0, , 147715352110465.	1.2	1