

Giuseppe Emmi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

683
citations

16
h-index

25
g-index

43
ext. papers

824
ext. citations

4.7
avg, IF

4.46
L-index

#	Paper	IF	Citations
41	An analysis of solar assisted ground source heat pumps in cold climates. <i>Energy Conversion and Management</i> , 2015 , 106, 660-675	10.6	108
40	A heat pump coupled with photovoltaic thermal hybrid solar collectors: A case study of a multi-source energy system. <i>Energy Conversion and Management</i> , 2017 , 151, 386-399	10.6	54
39	Analysis of operating modes of a ground source heat pump with short helical heat exchangers. <i>Energy Conversion and Management</i> , 2015 , 97, 351-361	10.6	45
38	An evaluation of the suitability of lumped-capacitance models in calculating energy needs and thermal behaviour of buildings. <i>Energy and Buildings</i> , 2017 , 150, 447-465	7	38
37	Empirical modeling of maps of geo-exchange potential for shallow geothermal energy at regional scale. <i>Geothermics</i> , 2015 , 57, 173-184	4.3	38
36	Evaluating the cost of heat for end users in ultra low temperature district heating networks with booster heat pumps. <i>Energy</i> , 2018 , 153, 788-800	7.9	35
35	An appropriate use of the thermal response test for the design of energy foundation piles with U-tube circuits. <i>Energy and Buildings</i> , 2017 , 134, 259-270	7	34
34	A simulation-based analysis of variable flow pumping in ground source heat pump systems with different types of borehole heat exchangers: A case study. <i>Energy Conversion and Management</i> , 2017 , 131, 135-150	10.6	32
33	A sensitivity analysis on the heating and cooling energy flexibility of residential buildings. <i>Sustainable Cities and Society</i> , 2020 , 52, 101815	10.1	30
32	Thermal Response Testing Results of Different Types of Borehole Heat Exchangers: An Analysis and Comparison of Interpretation Methods. <i>Energies</i> , 2017 , 10, 801	3.1	28
31	Validation of a numerical model aimed at the estimation of performance of vapor compression based heat pumps. <i>Energy and Buildings</i> , 2012 , 47, 411-420	7	25
30	The validation of a novel lumped parameter model for photovoltaic thermal hybrid solar collectors: a new TRNSYS type. <i>Energy Conversion and Management</i> , 2019 , 188, 414-428	10.6	17
29	Feasibility analysis of a Borehole Heat Exchanger (BHE) array to be installed in high geothermal flux area: The case of the Euganean Thermal Basin, Italy. <i>Renewable Energy</i> , 2015 , 78, 93-104	8.1	17
28	Energy performance and cost analysis of some borehole heat exchanger configurations with different heat-carrier fluids in mild climates. <i>Geothermics</i> , 2017 , 65, 158-169	4.3	17
27	Energetic and Exergetic Analysis of Low Global Warming Potential Refrigerants as Substitutes for R410A in Ground Source Heat Pumps. <i>Energies</i> , 2019 , 12, 3538	3.1	16
26	A Database for Climatic Conditions around Europe for Promoting GSHP Solutions. <i>Geosciences (Switzerland)</i> , 2018 , 8, 71	2.7	16
25	Solar Assisted Ground Source Heat Pump in Cold Climates. <i>Energy Procedia</i> , 2015 , 82, 623-629	2.3	14

24	Ground source heat pump systems in historical buildings: two Italian case studies. <i>Energy Procedia</i> , 2017 , 133, 183-194	2.3	13
23	Simulation-Based Comparison Between the Thermal Behavior of Coaxial and Double U-Tube Borehole Heat Exchangers. <i>Energies</i> , 2019 , 12, 2321	3.1	13
22	Possible applications of ground coupled heat pumps in high geothermal gradient zones. <i>Energy and Buildings</i> , 2014 , 79, 12-22	7	12
21	Improving the Energy Efficiency, Limiting Costs and Reducing CO2 Emissions of a Museum Using Geothermal Energy and Energy Management Policies. <i>Energies</i> , 2019 , 12, 3192	3.1	11
20	A dynamic analysis of a SAGSHP system coupled to solar thermal collectors and photovoltaic-thermal panels under different climate conditions. <i>Energy Conversion and Management</i> , 2020 , 213, 112851	10.6	10
19	A European Database of Building Energy Profiles to Support the Design of Ground Source Heat Pumps. <i>Energies</i> , 2019 , 12, 2496	3.1	9
18	ulti-Source Heat Pump Coupled with a Photovoltaic Thermal (PVT) Hybrid Solar Collectors Technology: a Case Study in Residential Application. <i>International Journal of Energy Production and Management</i> , 2016 , 1, 382-392	5.3	7
17	A Novel Ground-Source Heat Pump with R744 and R1234ze as Refrigerants. <i>Energies</i> , 2020 , 13, 5654	3.1	5
16	Analysis of Retrofit Solutions of a Ground Source Heat Pump System: An Italian Case Study. <i>Energies</i> , 2020 , 13, 5680	3.1	5
15	EU project "cheap-GSHPs" the geoexchange field laboratory. <i>Energy Procedia</i> , 2017 , 125, 511-519	2.3	4
14	A comparison of numerical simulation methods analyzing the performance of a ground-coupled heat pump system. <i>Science and Technology for the Built Environment</i> , 2018 , 24, 502-512	1.8	4
13	Development of an Advanced Simulation Model for Solar Cooling Plants. <i>Energy Procedia</i> , 2015 , 70, 495-503	3	4
12	Use of Municipal Solid Waste Landfill as Heat Source of Heat Pump. <i>Energy Procedia</i> , 2016 , 101, 352-359	2.3	4
11	Energy analysis of different configurations for a reversible ground source heat pump using a new flexible TRNSYS Type. <i>Applied Thermal Engineering</i> , 2021 , 197, 117413	5.8	4
10	Comfort and Perceived Air Quality in Refurbished Social Houses with Mechanical Ventilation System: The Impact of Occupants Behaviour. <i>Energy Procedia</i> , 2015 , 78, 2887-2892	2.3	3
9	New tools to support the designing of efficient and reliable ground source heat exchangers: the Cheap-GSHPs databases and maps. <i>Advances in Geosciences</i> , 2019 , 49, 47-55		3
8	All-air system and radiant floor for heating and cooling in residential buildings: A simulation-based analysis. <i>Science and Technology for the Built Environment</i> , 2020 , 26, 1397-1411	1.8	2
7	Retrofit solutions for an historic building integrated with geothermal heat pumps. <i>E3S Web of Conferences</i> , 2019 , 111, 03055	0.5	1

6	Two software tools for facilitating the choice of ground source heat pumps by stakeholders and designers. <i>E3S Web of Conferences</i> , 2019 , 111, 06023	0.5	1
5	Energy analysis of a wood or pellet stove in a single-family house equipped with gas boiler and radiators. <i>Building Simulation</i> ,1	3.9	1
4	A new air handling unit system for residential buildings: experiment and simulation-based analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 609, 052033	0.4	1
3	Role of phase change materials in backfilling of flat-panels ground heat exchanger. <i>Renewable Energy</i> , 2022 , 189, 1324-1336	8.1	0
2	Archetype definition for analysing retrofit solutions in urban areas in Europe. <i>E3S Web of Conferences</i> , 2019 , 111, 03027	0.5	
1	Primary air treatment vs energy saving: comparison between different design solutions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 609, 052001	0.4	