

# Saqib Javed

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

789  
citations

567281

15  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

694  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of HVAC solution-sets and energy performance of nearly zero-energy multi-story apartment buildings in Nordic climates by statistical analysis of environmental performance certificates and literature review. <i>Energy</i> , 2022, 238, 121709.	8.8	24
2	Site characterization for the design of thermoactive geostructures. <i>Soils and Rocks</i> , 2022, 45, 1-15.	0.5	3
3	A review of the current status and development of 5GDHC and characterization of a novel shared energy system. <i>Science and Technology for the Built Environment</i> , 2022, 28, 595-609.	1.7	12
4	A fast approximate method for simulating thermal pile heat exchangers. <i>Geomechanics for Energy and the Environment</i> , 2022, 32, 100368.	2.5	1
5	Field test of a floating thermal pile in sensitive clay. <i>Geotechnique</i> , 2021, 71, 334-345.	4.0	5
6	Cooling of office buildings in cold climates using direct ground-coupled active chilled beams. <i>Renewable Energy</i> , 2021, 164, 122-132.	8.9	15
7	Evaluating the Use of Displacement Ventilation for Providing Space Heating in Unoccupied Periods Using Laboratory Experiments, Field Tests and Numerical Simulations. <i>Energies</i> , 2021, 14, 952.	3.1	7
8	Energy renovation strategies for office buildings using direct ground cooling systems. <i>Science and Technology for the Built Environment</i> , 2021, 27, 874-891.	1.7	4
9	Influence of system operation on the design and performance of a direct ground-coupled cooling system. <i>Energy and Buildings</i> , 2021, 234, 110709.	6.7	11
10	A comparative study on borehole heat exchanger size for direct ground coupled cooling systems using active chilled beams and TABS. <i>Energy and Buildings</i> , 2021, 240, 110874.	6.7	19
11	Resilient cooling strategies – A critical review and qualitative assessment. <i>Energy and Buildings</i> , 2021, 251, 111312.	6.7	68
12	Modelica-based simulations of decentralised substations to support decarbonisation of district heating and cooling. <i>Energy Reports</i> , 2021, 7, 465-472.	5.1	4
13	A review of the legal framework in shallow geothermal energy in selected European countries: Need for guidelines. <i>Renewable Energy</i> , 2020, 147, 2556-2571.	8.9	62
14	Bibliographic analysis of the recent advancements in modeling and co-simulating the fifth-generation district heating and cooling systems. <i>Energy and Buildings</i> , 2020, 224, 110260.	6.7	37
15	Long-Term Performance Measurement and Analysis of a Small-Scale Ground Source Heat Pump System. <i>Energies</i> , 2020, 13, 4527.	3.1	5
16	Explicit Multipole Formula for the Local Thermal Resistance in an Energy Pile – The Line-Source Approximation. <i>Energies</i> , 2020, 13, 5445.	3.1	4
17	Explicit multipole formulas and thermal network models for calculating thermal resistances of double U-pipe borehole heat exchangers. <i>Science and Technology for the Built Environment</i> , 2019, 25, 980-992.	1.7	10
18	Some aspects of controlling radiant and convective cooling systems. <i>E3S Web of Conferences</i> , 2019, 111, 05008.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Control methods for a direct-ground cooling system: An experimental study on office cooling with ground-coupled ceiling cooling panels. <i>Energy and Buildings</i> , 2019, 197, 47-56.	6.7	21
20	Design optimization of the borehole system for a plus-Energy kindergarten in Oslo, Norway. <i>Architectural Engineering and Design Management</i> , 2019, 15, 181-195.	1.7	7
21	Dynamic Thermal Performance and Controllability of Fan Coil Systems. <i>Springer Proceedings in Energy</i> , 2019, , 351-361.	0.3	1
22	Validation of TEKNOsim 6 According to CIBSE TM33. <i>Springer Proceedings in Energy</i> , 2019, , 665-676.	0.3	0
23	Validation of borehole heat exchanger models against multi-flow rate thermal response tests. <i>Geothermics</i> , 2018, 71, 55-68.	3.4	11
24	Explicit Multipole Formulas for Calculating Thermal Resistance of Single U-Tube Ground Heat Exchangers. <i>Energies</i> , 2018, 11, 214.	3.1	21
25	Accuracy of borehole thermal resistance calculation methods for grouted single U-tube ground heat exchangers. <i>Applied Energy</i> , 2017, 187, 790-806.	10.1	75
26	The Dutch approach for assessing and reducing environmental impacts of building materials. <i>Building and Environment</i> , 2017, 111, 147-159.	6.9	46
27	Characterisation of Ground Thermal and Thermo-Mechanical Behaviour for Shallow Geothermal Energy Applications. <i>Energies</i> , 2017, 10, 2044.	3.1	71
28	Energy renovation of an office building using a holistic design approach. <i>Journal of Building Engineering</i> , 2016, 7, 194-206.	3.4	16
29	Analysis and design methods for energy geostructures. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 402-419.	16.4	79
30	Calculation of borehole thermal resistance. , 2016, , 63-95.		25
31	Natural convection in groundwater-filled boreholes used as ground heat exchangers. <i>Applied Energy</i> , 2016, 164, 352-365.	10.1	67
32	Heat transfer in a borehole heat exchanger: Frequency domain modeling. <i>International Journal of Heat and Mass Transfer</i> , 2014, 69, 129-139.	4.8	9
33	Multi-injection rate thermal response test with forced convection in a groundwater-filled borehole in hard rock. <i>Renewable Energy</i> , 2012, 48, 263-268.	8.9	26
34	Thermal response testing of a multiple borehole ground heat exchanger. <i>International Journal of Low-Carbon Technologies</i> , 2011, 6, 141-148.	2.6	19
35	Second-order Multipole Formulas for Thermal Resistance of Single U-tube Borehole Heat Exchangers. , 0, , .		1