Saqib Javed

List of Publications by Year
in descending order

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	Analysis and design methods for energy geostructures. Renewable and Sustainable Energy Reviews, 2016, 65, 402-419.	16.4	79
2	Accuracy of borehole thermal resistance calculation methods for grouted single U-tube ground heat exchangers. Applied Energy, 2017, 187, 790-806.	10.1	75
3	Characterisation of Ground Thermal and Thermo-Mechanical Behaviour for Shallow Geothermal Energy Applications. Energies, 2017, 10, 2044.	3.1	71
4	Resilient cooling strategies â€“ A critical review and qualitative assessment. Energy and Buildings, 2021, 251, 111312.	6.7	68
5	Natural convection in groundwater-filled boreholes used as ground heat exchangers. Applied Energy, 2016, 164, 352-365.	10.1	67
6	A review of the legal framework in shallow geothermal energy in selected European countries: Need for guidelines. Renewable Energy, 2020, 147, 2556-2571.	8.9	62
7	The Dutch approach for assessing and reducing environmental impacts of building materials. Building and Environment, 2017, 111, 147-159.	6.9	46
8	Bibliographic analysis of the recent advancements in modeling and co-simulating the fifth-generation district heating and cooling systems. Energy and Buildings, 2020, 224, 110260.	6.7	37
9	Multi-injection rate thermal response test with forced convection in a groundwater-filled borehole in hard rock. Renewable Energy, 2012, 48, 263-268.	8.9	26
10	Calculation of borehole thermalÂresistance. , 2016, , 63-95.		25
11	A review of HVAC solution-sets and energy performace of nearly zero-energy multi-story apartment buildings in Nordic climates by statistical analysis of environmental performance certificates and literature review. Energy, 2022, 238, 121709.	8.8	24
12	Explicit Multipole Formulas for Calculating Thermal Resistance of Single U-Tube Ground Heat Exchangers. Energies, 2018, 11, 214.	3.1	21
13	Control methods for a direct-ground cooling system: An experimental study on office cooling with ground-coupled ceiling cooling panels. Energy and Buildings, 2019, 197, 47-56.	6.7	21
14	Thermal response testing of a multiple borehole ground heat exchanger. International Journal of Low-Carbon Technologies, 2011, 6, 141-148.	2.6	19
15	A comparative study on borehole heat exchanger size for direct ground coupled cooling systems using active chilled beams and TABS. Energy and Buildings, 2021, 240, 110874.	6.7	19
16	Energy renovation of an office building using a holistic design approach. Journal of Building Engineering, 2016, 7, 194-206.	3.4	16
17	Cooling of office buildings in cold climates using direct ground-coupled active chilled beams. Renewable Energy, 2021, 164, 122-132.	8.9	15
18	A review of the current status and development of 5GDHC and characterization of a novel shared energy system. Science and Technology for the Built Environment, 2022, 28, 595-609.	1.7	12

#	Article	IF	Citations
19	Validation of borehole heat exchanger models against multi-flow rate thermal response tests. Geothermics, 2018, 71, 55-68.	3.4	11
20	Influence of system operation on the design and performance of a direct ground-coupled cooling system. Energy and Buildings, 2021, 234, 110709.	6.7	11
21	Explicit multipole formulas and thermal network models for calculating thermal resistances of double U-pipe borehole heat exchangers. Science and Technology for the Built Environment, 2019, 25, 980-992.	1.7	10
22	Heat transfer in a borehole heat exchanger: Frequency domain modeling. International Journal of Heat and Mass Transfer, 2014, 69, 129-139.	4.8	9
23	Design optimization of the borehole system for a plus-Energy kindergarten in Oslo, Norway. Architectural Engineering and Design Management, 2019, 15, 181-195.	1.7	7
24	Evaluating the Use of Displacement Ventilation for Providing Space Heating in Unoccupied Periods Using Laboratory Experiments, Field Tests and Numerical Simulations. Energies, 2021, 14, 952.	3.1	7
25	Long-Term Performance Measurement and Analysis of a Small-Scale Ground Source Heat Pump System. Energies, 2020, 13, 4527.	3.1	5
26	Field test of a floating thermal pile in sensitive clay. Geotechnique, 2021, 71, 334-345.	4.0	5
27	Explicit Multipole Formula for the Local Thermal Resistance in an Energy Pileâ€"The Line-Source Approximation. Energies, 2020, 13, 5445.	3.1	4
28	Energy renovation strategies for office buildings using direct ground cooling systems. Science and Technology for the Built Environment, 2021, 27, 874-891.	1.7	4
29	Modelica-based simulations of decentralised substations to support decarbonisation of district heating and cooling. Energy Reports, 2021, 7, 465-472.	5.1	4
30	Some aspects of controlling radiant and convective cooling systems. E3S Web of Conferences, 2019, 111, 05008.	0.5	3
31	Site characterization for the design of thermoactive geostructures. Soils and Rocks, 2022, 45, 1-15.	0.5	3
32	Second-order Multipole Formulas for Thermal Resistance of Single U-tube Borehole Heat Exchangers. , 0, , .		1
33	Dynamic Thermal Performance and Controllability of Fan Coil Systems. Springer Proceedings in Energy, 2019, , 351-361.	0.3	1
34	A fast approximate method for simulating thermal pile heat exchangers. Geomechanics for Energy and the Environment, 2022, 32, 100368.	2.5	1
35	Validation of TEKNOsim 6 According to CIBSE TM33. Springer Proceedings in Energy, 2019, , 665-676.	0.3	0