

# Guozhu Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

452  
citations

933447

10  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

157  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A new model and analytical solution for the heat conduction of tunnel lining ground heat exchangers. <i>Cold Regions Science and Technology</i> , 2013, 88, 59-66.                       | 3.5  | 103       |
| 2  | Experimental study on the thermal performance of tunnel lining ground heat exchangers. <i>Energy and Buildings</i> , 2014, 77, 149-157.  | 6.7  | 76        |
| 3  | Investigation on the thermal response of full-scale PHC energy pile and ground temperature in multi-layer strata. <i>Applied Thermal Engineering</i> , 2018, 143, 836-848.               | 6.0  | 49        |
| 4  | Experimental study on the thermal performance of tunnel lining GHE under groundwater flow. <i>Applied Thermal Engineering</i> , 2016, 106, 784-795.                                      | 6.0  | 46        |
| 5  | Influence of backfilling phase change material on thermal performance of precast high-strength concrete energy pile. <i>Renewable Energy</i> , 2022, 184, 374-390.                       | 8.9  | 35        |
| 6  | Effect of ventilation on the thermal performance of tunnel lining GHEs. <i>Applied Thermal Engineering</i> , 2016, 93, 416-424.  | 6.0  | 34        |
| 7  | The coupling effect of ventilation and groundwater flow on the thermal performance of tunnel lining GHEs. <i>Applied Thermal Engineering</i> , 2017, 112, 595-605.                       | 6.0  | 33        |
| 8  | Field test and numerical investigation on thermal environment of tunnel with air layer structure. <i>Building and Environment</i> , 2021, 203, 108105.                                   | 6.9  | 23        |
| 9  | A promising technology of cold energy storage using phase change materials to cool tunnels with geothermal hazards. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 163, 112509. | 16.4 | 18        |
| 10 | Field Test and Numerical Simulation on the Long-Term Thermal Response of PHC Energy Pile in Layered Foundation. <i>Sensors</i> , 2021, 21, 3873.   | 3.8  | 17        |
| 11 | Temperature effects and heat transfer in granular soils by discrete element modeling of CPT. <i>European Journal of Environmental and Civil Engineering</i> , 2021, 25, 835-856.         | 2.1  | 6         |
| 12 | Investigation of in situ thermomechanical behaviors of soil around an energy pile with flat dilatometer tests. <i>Acta Geotechnica</i> , 2022, 17, 1985-1999.                            | 5.7  | 6         |
| 13 | Numerical Investigation on Energy Efficiency of Heat Pump with Tunnel Lining Ground Heat Exchangers under Building Cooling. <i>Buildings</i> , 2021, 11, 611.                            | 3.1  | 6         |
| 14 | Investigation of the Thermal Performance of Energy Tunnel Equipped with the Insulation Layer Considering Ventilation and Groundwater Seepage. <i>Geofluids</i> , 2021, 2021, 1-15.       | 0.7  | 0         |