Tian Yan

List of Publications by Year
in descending order

18	352	932766 10	887659 17
papers	citations	h-index	g-index

18	18	18	291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ground heat exchangers: Applications, technology integration and potentials for zero energy buildings. Renewable Energy, 2018, 128, 337-349.	4.3	73
2	Improved analytical modeling and system performance evaluation of deep coaxial borehole heat exchanger with segmented finite cylinder-source method. Energy and Buildings, 2020, 212, 109829.	3.1	51
3	Dynamic simplified PCM models for the pipe-encapsulated PCM wall system for self-activated heat removal. International Journal of Thermal Sciences, 2019, 144, 27-41.	2.6	44
4	Simulation study of a pipe-encapsulated PCM wall system with self-activated heat removal by nocturnal sky radiation. Renewable Energy, 2020, 146, 1451-1464.	4.3	40
5	Model validation and application of the coupled system of pipe-encapsulated PCM wall and nocturnal sky radiator. Applied Thermal Engineering, 2021, 194, 117057.	3.0	24
6	Development and experiment validation of variable-resistance-variable-capacitance dynamic simplified thermal models for shape-stabilized phase change material slab. Applied Thermal Engineering, 2019, 146, 364-375.	3.0	18
7	Performance evaluation of a PCM-embedded wall integrated with a nocturnal sky radiator. Energy, 2020, 210, 118412.	4.5	16
8	A wet-bulb temperature-based control method for controlling the heat balance of the ground soil of a hybrid ground-source heat pump system. Advances in Mechanical Engineering, 2017, 9, 168781401770170.	0.8	13
9	Performance evaluation and optimization design of deep ground source heat pump with non-uniform internal insulation based on analytical solutions. Energy and Buildings, 2020, 229, 110495.	3.1	12
10	Integrated analytical modeling of transient heat transfer inside and outside U-tube ground heat exchanger: A new angle from composite-medium method. International Journal of Heat and Mass Transfer, 2020, 162, 120373.	2.5	12
11	Development of a simplified dynamic moisture transfer model of building wall layer of hygroscopic material. Energy, 2019, 183, 1278-1294.	4.5	10
12	Parametric analysis on performances of the pipe-encapsulated PCM (PenPCM) wall system coupled with gravity heat-pipe and nocturnal radiant cooler. Renewable Energy, 2022, 196, 161-180.	4.3	9
13	Study on dynamic thermal characteristics of thermoelectric radiant cooling panel system through a hybrid method. Energy, 2020, 208, 118413.	4.5	8
14	A Quasi-Steady-State Simplified Model for Pipe-encapsulated PCM. Procedia Engineering, 2017, 205, 3243-3250.	1.2	7
15	Development of a Wet-bulb Temperature-based Heat Balance Control Method for a Hybrid Ground Source Heat Pump System. Procedia Engineering, 2017, 205, 3251-3258.	1.2	6
16	Utilization of Ground Heat Exchangers: a Review. Current Sustainable/Renewable Energy Reports, 2018, 5, 189-198.	1.2	6
17	Experimental Study on a Control Method for Air-conditioning System Integrated with Small-scale ON/OFF Controlled Chiller. Procedia Engineering, 2017, 205, 3259-3266.	1.2	3
18	CLIMA 2019-Modelling study on pipe-encapsulated PCM wall system for building insulation and active heat removal. E3S Web of Conferences, 2019, 111, 04031.	0.2	0