

# Tian Yan

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

352  
citations

932766

10  
h-index

887659

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

291  
citing authors

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