

# Wei Tian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/627151/publications.pdf>

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12  
papers

258  
citations

1162367

8  
h-index

1588620

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g-index

12  
all docs

12  
docs citations

12  
times ranked

226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Building energy simulation coupled with CFD for indoor environment: A critical review and recent applications. <i>Energy and Buildings</i> , 2018, 165, 184-199.	3.1	87
2	Coupling indoor airflow, HVAC, control and building envelope heat transfer in the Modelica Buildings library. <i>Journal of Building Performance Simulation</i> , 2016, 9, 366-381.	1.0	38
3	Coupling fast fluid dynamics and multizone airflow models in Modelica Buildings library to simulate the dynamics of HVAC systems. <i>Building and Environment</i> , 2017, 122, 269-286.	3.0	35
4	An optimization platform based on coupled indoor environment and HVAC simulation and its application in optimal thermostat placement. <i>Energy and Buildings</i> , 2019, 199, 342-351.	3.1	22
5	An open source fast fluid dynamics model for data center thermal management. <i>Energy and Buildings</i> , 2021, 230, 110599.	3.1	19
6	A systematic evaluation of accelerating indoor airflow simulations using cross-platform parallel computing. <i>Journal of Building Performance Simulation</i> , 2017, 10, 243-255.	1.0	16
7	Fast and self-learning indoor airflow simulation based on in situ adaptive tabulation. <i>Journal of Building Performance Simulation</i> , 2018, 11, 99-112.	1.0	11
8	A state-space method for real-time transient simulation of indoor airflow. <i>Building and Environment</i> , 2017, 126, 184-194.	3.0	10
9	An Accurate Fast Fluid Dynamics Model for Data Center Applications. , 2019, , .		8
10	A Compact Cooling-System Model for Transient Data Center Simulations. , 2018, , .		6
11	Transient Data Center Temperatures After a Primary Power Outage. , 2018, , .		6
12	Potential Flow Modeling for Fast Data Center Thermal Simulation. , 2021, , .		0