Zhichao Tian

List of Publications by Year in Descending Order

16 papers	386 citations	8 h-index	17 g-index
17 ext. papers	503 ext. citations	6.7 avg, IF	4.03 L-index

#	Paper	IF	Citations
16	Minimization of N2O Emission through Intermittent Aeration in a Sequencing Batch Reactor (SBR): Main Behavior and Mechanism. *Water (Switzerland)*, **2021**, 13, 210	3	6
15	A review of data-driven building performance analysis and design on big on-site building performance data. *Journal of Building Engineering*, **2021**, 41, 102706	5.2	5
14	Exploring data-driven building energy-efficient design of envelopes based on their quantified impacts. *Journal of Building Engineering*, **2021**, 42, 103018	5.2	4
13	Methodology for developing economically efficient strategies for net zero energy buildings: A case study of a prototype building in the Yangtze River Delta, China. *Journal of Cleaner Production*, **2021**, 320, 128849	10.3	2
12	Mitigating NO and NO emissions from a pilot-scale oxidation ditch using bioaugmentation of immobilized aerobic denitrifying bacteria. *Bioresource Technology*, **2021**, 340, 125704	11	0
11	Uranium bioremediation with U(VI)-reducing bacteria. *Science of the Total Environment*, **2021**, 798, 149107	10.2	12
10	A Cross-Scale Analysis of the Correlation between Daytime Air Temperature and Heterogeneous Urban Spaces. *Sustainability*, **2020**, 12, 7663	3.6	2
9	Developing data-driven models for energy-efficient heating design in office buildings. *Journal of Building Engineering*, **2020**, 32, 101778	5.2	5
8	Multi-objective optimization model predictive dispatch precooling and ceiling fans in office buildings under different summer weather conditions. *Building Simulation*, **2019**, 12, 999-1012	3.9	7
7	An application of Bayesian Network approach for selecting energy efficient HVAC systems. *Journal of Building Engineering*, **2019**, 25, 100796	5.2	22
6	Performance Assessment of Algorithms for Building Energy Optimization Problems with Different Properties. *Sustainability*, **2019**, 11, 18	3.6	11
5	Magnitude, Causes, and Solutions of the Performance Gap of Buildings: A Review. *Sustainability*, **2019**, 11, 937	3.6	21
4	Ineffectiveness of optimization algorithms in building energy optimization and possible causes. *Renewable Energy*, **2019**, 134, 1295-1306	8.1	18
3	Towards adoption of building energy simulation and optimization for passive building design: A survey and a review. *Energy and Buildings*, **2018**, 158, 1306-1316	7	105
2	Performance indices and evaluation of algorithms in building energy efficient design optimization. *Energy*, **2016**, 114, 100-112	7.9	42
1	A review on building energy efficient design optimization rom the perspective of architects. *Renewable and Sustainable Energy Reviews*, **2016**, 65, 872-884	16.2	123