Ka Leung Lam

List of Publications by Citations

27 papers	554 citations	15 h-index	23 g-index
30 ext. papers	689 ext. citations	7.4 avg, IF	4.45 L-index

#	Paper	IF	Citations
27	Energy use for water provision in cities. *Journal of Cleaner Production*, **2017**, 143, 699-709	10.3	72
26	A systemic framework and analysis of urban water energy. *Environmental Modelling and Software*, **2015**, 73, 272-285	5.2	47
25	Operation strategy for multi-stage pyrolysis. *Journal of Analytical and Applied Pyrolysis*, **2011**, 91, 165-180		47
24	Life cycle assessment of nutrient recycling from wastewater: A critical review. *Water Research*, **2020**, 173, 115519	12.5	44
23	Energy intensity and embodied energy flow in Australia: An input-output analysis. *Journal of Cleaner Production*, **2019**, 226, 357-368	10.3	36
22	Integrated kinetics and heat flow modelling to optimise waste tyre pyrolysis at different heating rates. *Fuel Processing Technology*, **2011**, 92, 856-863	7.2	36
21	Optimisation of particle size in waste tyre pyrolysis. *Fuel*, **2012**, 95, 417-424	7.1	35
20	Charcoal Production via Multistage Pyrolysis. *Chinese Journal of Chemical Engineering*, **2012**, 20, 455-460	3.2	28
19	Experimental and Modelling Studies of Biomass Pyrolysis. *Chinese Journal of Chemical Engineering*, **2012**, 20, 543-550	3.2	23
18	Economic damage and spillovers from a tropical cyclone. *Natural Hazards and Earth System Sciences*, **2019**, 19, 137-151	3.9	22
17	Understanding urban water performance at the city-region scale using an urban water metabolism evaluation framework. *Water Research*, **2018**, 137, 395-406	12.5	22
16	Comparison of water-energy trajectories of two major regions experiencing water shortage. *Journal of Environmental Management*, **2016**, 181, 403-412	7.9	22
15	Quantifying and managing urban water-related energy use systemically: case study lessons from Australia. *International Journal of Water Resources Development*, **2016**, 32, 379-397	3	19
14	Modelling pyrolysis with dynamic heating. *Chemical Engineering Science*, **2011**, 66, 6505-6514	4.4	19
13	City-scale analysis of water-related energy identifies more cost-effective solutions. *Water Research*, **2017**, 109, 287-298	12.5	16
12	Defining water-related energy for global comparison, clearer communication, and sharper policy. *Journal of Cleaner Production*, **2019**, 236, 117502	10.3	14
11	A review of the water-related energy consumption of the food system in nexus studies. *Journal of Cleaner Production*, **2021**, 279, 123414	10.3	10

List of Publications

10	Life-cycle energy impacts for adapting an urban water supply system to droughts. *Water Research*, **2017**, 127, 139-149	12.5	8
9	Optimization of multi-stage pyrolysis. *Applied Thermal Engineering*, **2013**, 61, 123-127	5.8	7
8	Low-Carbon Urban Water Systems: Opportunities beyond Water and Wastewater Utilities?. *Environmental Science & Technology*, **2020**, 54, 14854-14861	10.3	7
7	Site-scale Urban Water Mass Balance Assessment (SUWMBA) to quantify water performance of urban design-technology-environment configurations. *Water Research*, **2021**, 188, 116477	12.5	5
6	A multi-regional input-output analysis of direct and virtual urban water flows to reduce city water footprints in Australia. *Sustainable Cities and Society*, **2021**, 75, 103236	10.1	4
5	Energy implications of the millennium drought on urban water cycles in Southeast Australian cities. *Water Science and Technology: Water Supply*, **2018**, 18, 214-221	1.4	3
4	Numerical study of mixed-feedstock pyrolysis. *Computer Aided Chemical Engineering*, **2012**, 31, 1311-1315	0.6	3
3	CFD Study on the Application of Rotary Kiln in Pyrolysis. *Computer Aided Chemical Engineering*, **2011**, 29, 71-75	0.6	3
2	Integrated Urban Water Systems **2019**, 287-304		1
1	Life cycle assessment of solar photocatalytic wastewater treatment **2022**, 135-158		