

Lirong Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8556318/lirong-liu-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

1,158
citations

21
h-index

30
g-index

78
ext. papers

1,537
ext. citations

8.9
avg, IF

5.55
L-index

#	Paper	IF	Citations
76	How a carbon tax will affect an emission-intensive economy: A case study of the Province of Saskatchewan, Canada. <i>Energy</i> , 2018 , 159, 817-826	7.9	63
75	Thermodynamic phase behaviour and miscibility of confined fluids in nanopores. <i>Chemical Engineering Journal</i> , 2018 , 351, 1115-1128	14.7	57
74	Millimeter to nanometer-scale tight oil CO ₂ solubility parameter and minimum miscibility pressure calculations. <i>Fuel</i> , 2018 , 220, 645-653	7.1	55
73	Environmentally-extended input-output simulation for analyzing production-based and consumption-based industrial greenhouse gas mitigation policies. <i>Applied Energy</i> , 2018 , 232, 69-78	10.7	51
72	CO ₂ storage in fractured nanopores underground: Phase behaviour study. <i>Applied Energy</i> , 2019 , 238, 911-928	10.7	47
71	A factorial ecologically-extended input-output model for analyzing urban GHG emissions metabolism system. <i>Journal of Cleaner Production</i> , 2018 , 200, 922-933	10.3	47
70	Inter-regional carbon flows embodied in electricity transmission: network simulation for energy-carbon nexus. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 118, 109511	16.2	46
69	Static and dynamic behavior of CO ₂ enhanced oil recovery in shale reservoirs: Experimental nanofluidics and theoretical models with dual-scale nanopores. <i>Applied Energy</i> , 2019 , 255, 113752	10.7	44
68	Ecological network analysis for an industrial solid waste metabolism system. <i>Environmental Pollution</i> , 2019 , 244, 279-287	9.3	41
67	Dynamic input-output analysis for energy metabolism system in the Province of Guangdong, China. <i>Journal of Cleaner Production</i> , 2018 , 196, 747-762	10.3	39
66	Metabolism of urban wastewater: Ecological network analysis for Guangdong Province, China. <i>Journal of Cleaner Production</i> , 2019 , 217, 510-519	10.3	31
65	Generalized critical shifts of confined fluids in nanopores with adsorptions. <i>Chemical Engineering Journal</i> , 2019 , 372, 809-814	14.7	31
64	Ecological network analysis for urban metabolism and carbon emissions based on input-output tables: A case study of Guangdong province. <i>Ecological Modelling</i> , 2018 , 383, 118-126	3	30
63	Transfer of virtual water embodied in food: A new perspective. <i>Science of the Total Environment</i> , 2019 , 659, 872-883	10.2	30
62	Evaluation of four CO ₂ injection schemes for unlocking oils from low-permeability formations under immiscible conditions. <i>Fuel</i> , 2018 , 234, 814-823	7.1	29
61	Integrated GHG emissions and emission relationships analysis through a disaggregated ecologically-extended input-output model; A case study for Saskatchewan, Canada. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 106, 97-109	16.2	27
60	Ecological network analysis of an urban water metabolic system based on input-output model: A case study of Guangdong, China. <i>Science of the Total Environment</i> , 2019 , 670, 369-378	10.2	27

59	Ecological network analysis of an energy metabolism system based on input-output tables: Model development and case study for Guangdong. <i>Journal of Cleaner Production</i> , 2019 , 227, 434-446	10.3	23
58	Dynamic analysis of industrial solid waste metabolism at aggregated and disaggregated levels. <i>Journal of Cleaner Production</i> , 2019 , 221, 817-827	10.3	23
57	Adsorption Thicknesses of Confined Pure and Mixing Fluids in Nanopores. <i>Langmuir</i> , 2018 , 34, 12815-12826	10.2	23
56	Network analysis of different types of food flows: Establishing the interaction between food flows and economic flows. <i>Resources, Conservation and Recycling</i> , 2019 , 143, 143-153	11.9	21
55	A factorial CGE model for analyzing the impacts of stepped carbon tax on Chinese economy and carbon emission. <i>Science of the Total Environment</i> , 2021 , 759, 143512	10.2	21
54	A review of experimental methods for determining the Oil-Gas minimum miscibility pressures. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 183, 106366	4.4	20
53	Measurement of air-pollution inequality through a three-perspective accounting model. <i>Science of the Total Environment</i> , 2019 , 696, 133937	10.2	19
52	A factorial environment-oriented input-output model for diagnosing urban air pollution. <i>Journal of Cleaner Production</i> , 2019 , 237, 117731	10.3	18
51	Dynamic wastewater-induced research based on input-output analysis for Guangdong Province, China. <i>Environmental Pollution</i> , 2020 , 256, 113502	9.3	18
50	Ecological and economic analyses of the forest metabolism system: A case study of Guangdong Province, China. <i>Ecological Indicators</i> , 2018 , 95, 131-140	5.8	17
49	Three-perspective energy-carbon nexus analysis for developing China's policies of CO-emission mitigation. <i>Science of the Total Environment</i> , 2020 , 705, 135857	10.2	17
48	Input-output modeling analysis with a detailed disaggregation of energy sectors for climate change policy-making: A case study of Saskatchewan, Canada. <i>Renewable Energy</i> , 2020 , 151, 1307-1317	8.1	15
47	Evolution of virtual water metabolic network in developing regions: A case study of Guangdong province. <i>Ecological Indicators</i> , 2020 , 108, 105750	5.8	14
46	Multi-Dimensional Hypothetical Fuzzy Risk Simulation model for Greenhouse Gas mitigation policy development. <i>Applied Energy</i> , 2020 , 261, 114348	10.7	13
45	A mitigation simulation method for urban NOx emissions based on input-output analysis. <i>Journal of Cleaner Production</i> , 2020 , 249, 119338	10.3	12
44	Quantification and Evaluation of Thermodynamic Miscibility in Nanoconfined Space. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4609-4624	3.9	11
43	Optimized foam-assisted CO2 enhanced oil recovery technology in tight oil reservoirs. <i>Fuel</i> , 2020 , 267, 117099	7.1	11
42	A new analysis of pressure dependence of the equilibrium interfacial tensions of different light crude oil-CO2 systems. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 121, 503-513	4.9	10

41	Nanoscale-extended correlation to calculate gas solvent minimum miscibility pressures in tight oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 171, 1455-1465	4.4	10
40	A multi-source virtual water metabolism model for urban systems. <i>Journal of Cleaner Production</i> , 2020 , 275, 124107	10.3	10
39	Development of a factorial water policy simulation approach from production and consumption perspectives. <i>Water Research</i> , 2021 , 193, 116892	12.5	10
38	Segmented carbon tax may significantly affect the regional and national economy and environment-a CGE-based analysis for Guangdong Province. <i>Energy</i> , 2021 , 231, 120958	7.9	10
37	Multi-dimensional diagnosis model for the sustainable development of regions facing water scarcity problem: A case study for Guangdong, China. <i>Science of the Total Environment</i> , 2020 , 734, 139394	10.2	9
36	Revealing dynamic impacts of socioeconomic factors on air pollution changes in Guangdong Province, China. <i>Science of the Total Environment</i> , 2020 , 699, 134178	10.2	9
35	Two-pathway perspective for heavy metal emission mitigation: A case study of Guangdong Province, China. <i>Science of the Total Environment</i> , 2020 , 735, 139583	10.2	8
34	Nanoconfined Water Effect on CO ₂ Utilization and Geological Storage. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087999	4.9	8
33	Revealing environmental inequalities embedded within regional trades. <i>Journal of Cleaner Production</i> , 2020 , 264, 121719	10.3	7
32	How surfactant-decorated nanoparticles contribute to thermodynamic miscibility. <i>Nanotechnology</i> , 2018 , 29, 475701	3.4	7
31	Economic modeling of national energy, water and air pollution nexus in China under changing climate conditions. <i>Renewable Energy</i> , 2021 , 170, 375-386	8.1	7
30	Rapid Determination of Interfacial Tensions in Nanopores: Experimental Nanofluidics and Theoretical Models. <i>Langmuir</i> , 2019 , 35, 8943-8949	4	6
29	Unveiling Carbon Emission Attributions along Sale Chains. <i>Environmental Science & Technology</i> , 2021 , 55, 220-229	10.3	6
28	Semi-analytical nanoscale-extended surface tension correlation. <i>AIChE Journal</i> , 2019 , 65, e16622	3.6	5
27	Assessment and offset of the adverse effects induced by PM _{2.5} from coal-fired power plants in China. <i>Journal of Cleaner Production</i> , 2021 , 286, 125397	10.3	4
26	Economic sensitivity analysis of dual perspectives induced by energy scarcity for energy-dependent region. <i>Science of the Total Environment</i> , 2021 , 768, 144876	10.2	4
25	Nanoscale-extended alpha functions for pure and mixing confined fluids. <i>Fluid Phase Equilibria</i> , 2019 , 482, 64-80	2.5	4
24	Inter-regional cluster analysis of heavy-metal emissions. <i>Journal of Cleaner Production</i> , 2021 , 282, 124439	10.3	4

23	Main and Interactive Effects of Four Factors on CO ₂ Storage in Fractured Nanopores. <i>Energy & Fuels</i> , 2019 , 33, 6616-6627	4.1	3
22	Factorial two-stage analyses of parameters affecting the oil-gas interface and miscibility in bulk phase and nanopores. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 740-750	9.3	3
21	Thermodynamic Parameters for Quantitative Miscibility Interpretations from the Bulk to Nanometer Scale. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10634-10650	3.9	3
20	A multicriteria small modular reactor site selection model under long-term variations of climatic conditions -- A case study for the province of Saskatchewan, Canada. <i>Journal of Cleaner Production</i> , 2021 , 290, 125651	10.3	3
19	Multi-hierarchy virtual-water management—A case study of Hubei Province, China. <i>Journal of Cleaner Production</i> , 2021 , 293, 126244	10.3	3
18	Ensemble projection of city-level temperature extremes with stepwise cluster analysis. <i>Climate Dynamics</i> , 2021 , 56, 3313-3335	4.2	2
17	Multi-regional industrial wastewater metabolism analysis for the Yangtze River Economic Belt, China. <i>Environmental Pollution</i> , 2021 , 284, 117118	9.3	2
16	Projections of carbon metabolism in 2035 and implications for demand-side controls under various scenarios. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111561	16.2	2
15	Quantitative distinction of thermodynamic soluble and miscible states. <i>AIChE Journal</i> , 2020 , 66, e16977	3.6	1
14	Development of a stochastic multistage lifecycle programming model for electric power system planning —A case study for the Province of Saskatchewan, Canada. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 158, 112044	16.2	1
13	A coupled non-deterministic optimization and mixed-level factorial analysis model for power generation expansion planning —A case study of Jing-Jin-Ji metropolitan region, China. <i>Applied Energy</i> , 2022 , 311, 118621	10.7	1
12	A factorial emission-focused general equilibrium model for investigating composite effects of multiple environmental policies. <i>Water Research</i> , 2021 , 201, 117336	12.5	1
11	Development of a multi-factorial enviro-economic analysis model for assessing the interactive effects of combined air pollution control policies. <i>Resources, Conservation and Recycling</i> , 2021 , 175, 105882	11.9	1
10	Development of an SMR-induced environmental input-output analysis model - Application to Saskatchewan, Canada. <i>Science of the Total Environment</i> , 2022 , 806, 150297	10.2	1
9	How to provide refined China's water-economy management policy at the regional scale?. <i>Journal of Cleaner Production</i> , 2022 , 351, 131590	10.3	1
8	Multiperspective-driven factorial metabolic network analysis framework for energy-water nexus vulnerability assessment and management-policy simulation.. <i>Journal of Environmental Management</i> , 2022 , 315, 115095	7.9	1
7	Unveiling direct and indirect impacts of the Three Gorges Project for supporting synergistic water-power management. <i>Journal of Cleaner Production</i> , 2022 , 338, 130547	10.3	0
6	Sustainable conjunctive water management model for alleviating water shortage.. <i>Journal of Environmental Management</i> , 2021 , 304, 114243	7.9	0

- | | | | |
|---|--|------|---|
| 5 | A stepwise emission clustering analysis method for analyzing the effects of heavy metal emissions from multiple income groups.. <i>Science of the Total Environment</i> , 2021 , 812, 152472 | 10.2 | ○ |
| 4 | A multi-perspective factorial hypothetical simulation model for cutting the carbon emission intensity of China. <i>Journal of Cleaner Production</i> , 2020 , 275, 123943 | 10.3 | ○ |
| 3 | A distributive multi-phase waste management model for analyzing synergistic emission mitigation policies in a Chinese case study. <i>Journal of Cleaner Production</i> , 2021 , 323, 129153 | 10.3 | ○ |
| 2 | A stepwise clustered industrial waste gas management model. <i>Journal of Cleaner Production</i> , 2022 , 347, 131253 | 10.3 | ○ |
| 1 | Sector-level socio-economic and environmental effects of large-scale hydropower initiatives -- a multi-region multi-phase model for the Wudongde Hydropower Station. <i>Applied Energy</i> , 2022 , 317, 119157 | 10.7 | ○ |