

# Hirushie Karunathilake

## List of Publications by Year in Descending Order

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

29  
papers

427  
citations

12  
h-index

20  
g-index

33  
ext. papers

586  
ext. citations

7.1  
avg, IF

4.55  
L-index

#	Paper	IF	Citations
29	Life Cycle GHG Emissions Analysis of Building-Level Carbon-Capturing Technologies. <i>Lecture Notes in Civil Engineering</i> , <b>2023</b> , 597-609	0.3	
28	Liquefied natural gas exports from Canada to China: An analysis of internationally transferred mitigation outcomes (ITMO). <i>Journal of Cleaner Production</i> , <b>2022</b> , 347, 131291	10.3	0
27	Overcoming the energy security challenges in developing countries <b>2022</b> , 61-88		
26	Carbon capturing for emissions reduction at building level: A market assessment from a building management perspective. <i>Journal of Cleaner Production</i> , <b>2021</b> , 294, 126323	10.3	11
25	Evaluation of financial incentives for green buildings in Canadian landscape. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110199	16.2	16
24	Community-level decentralized energy system planning under uncertainty: A comparison of mathematical models for strategy development. <i>Applied Energy</i> , <b>2021</b> , 283, 116304	10.7	10
23	Strategies to reduce energy and metalworking fluid consumption for the sustainability of turning operation: A review. <i>Cleaner Engineering and Technology</i> , <b>2021</b> , 3, 100100	2.7	0
22	Carbon Capture Systems for Building-Level Heating Systems: A Socio-Economic and Environmental Evaluation. <i>Sustainability</i> , <b>2021</b> , 13, 10681	3.6	1
21	Evaluating carbon capturing strategies for emissions reduction in community energy systems: A life cycle thinking approach. <i>Energy</i> , <b>2021</b> , 232, 121012	7.9	0
20	Research on policy strategies for implementing energy retrofits in the residential buildings. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 103161	5.2	4
19	Decision making for risk management: A multi-criteria perspective. <i>Methods in Chemical Process Safety</i> , <b>2020</b> , 4, 239-287	1.1	10
18	Occupant-based energy upgrades selection for Canadian residential buildings based on field energy data and calibrated simulations. <i>Journal of Cleaner Production</i> , <b>2020</b> , 271, 122430	10.3	7
17	Project deployment strategies for community renewable energy: A dynamic multi-period planning approach. <i>Renewable Energy</i> , <b>2020</b> , 152, 237-258	8.1	21
16	Coupling Behavior-Based Intervention with Pro-Environmentalism. The Dynamics of Energy Usage, Crisis and Its Conservation. <i>Lecture Notes in Energy</i> , <b>2020</b> , 169-185	0.4	
15	The Nexus of Climate Change and Increasing Demand for Energy: A Policy Deliberation from the Canadian Context. <i>Lecture Notes in Energy</i> , <b>2020</b> , 263-294	0.4	6
14	BIM-based life cycle environmental performance assessment of single-family houses: Renovation and reconstruction strategies for aging building stock in British Columbia. <i>Journal of Cleaner Production</i> , <b>2020</b> , 250, 119543	10.3	27
13	To retrofit or not? Making energy retrofit decisions through life cycle thinking for Canadian residences. <i>Energy and Buildings</i> , <b>2020</b> , 226, 110393	7	16

12	Assessment of renewable energy-based strategies for net-zero energy communities: A planning model using multi-objective goal programming. <i>Journal of Cleaner Production</i> , <b>2020</b> , 272, 122886	10.3	28
11	Prospects of integrating carbon capturing into community scale energy systems. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 133, 110193	16.2	13
10	Renewable energy selection for net-zero energy communities: Life cycle based decision making under uncertainty. <i>Renewable Energy</i> , <b>2019</b> , 130, 558-573	8.1	95
9	Optimal renewable energy supply choices for net-zero ready buildings: A life cycle thinking approach under uncertainty. <i>Energy and Buildings</i> , <b>2019</b> , 201, 70-89	7	25
8	Energy Use in Water Distribution Systems: A Life Cycle Perspective <b>2019</b> , 1-12		
7	Energy rating system for climate conscious operation of multi-unit residential buildings. <i>Clean Technologies and Environmental Policy</i> , <b>2018</b> , 20, 785-802	4.3	10
6	Renewable energy integration into community energy systems: A case study of new urban residential development. <i>Journal of Cleaner Production</i> , <b>2018</b> , 173, 292-307	10.3	52
5	Opportunities and challenges in energy demand reduction for Canadian residential sector: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 2005-2016	16.2	28
4	Life cycle environmental impacts of the apparel industry in Sri Lanka: Analysis of the energy sources. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 1346-1357	10.3	30
3	Climate conscious regional planning for fast-growing communities. <i>Journal of Cleaner Production</i> , <b>2017</b> , 165, 81-92	10.3	13
2	Sustainable machining: environmental performance analysis of turning. <i>International Journal of Sustainable Engineering</i> , 1-20	3.1	2
1	Transforming road freight transportation from fossils to hydrogen: Opportunities and challenges. <i>International Journal of Sustainable Transportation</i> , 1-21	3.6	1