

# Hirushie Karunathilake

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7827480/publications.pdf>

Version: 2024-02-01

31  
papers

789  
citations

567281

15  
h-index

526287

27  
g-index

33  
all docs

33  
docs citations

33  
times ranked

649  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Transforming road freight transportation from fossils to hydrogen: Opportunities and challenges. International Journal of Sustainable Transportation, 2023, 17, 552-572.  | 4.1  | 12        |
| 2  | Sustainable machining: environmental performance analysis of turning. International Journal of Sustainable Engineering, 2022, 15, 15-34.  | 3.5  | 15        |
| 3  | Liquefied natural gas exports from Canada to China: An analysis of internationally transferred mitigation outcomes (ITMO). Journal of Cleaner Production, 2022, 347, 131291.  | 9.3  | 6         |
| 4  | Life Cycle Thinking-Based Decision Making for Bridges under Seismic Conditions. II: A Case Study on Bridges with Superelastic SMA RC Piers. Journal of Bridge Engineering, 2022, 27, .                                      | 2.9  | 3         |
| 5  | Life Cycle Thinking-Based Decision Making for Bridges under Seismic Conditions. I: Methodology and Framework. Journal of Bridge Engineering, 2022, 27, .  | 2.9  | 3         |
| 6  | Overcoming the energy security challenges in developing countries. , 2022, , 61-88.   |      | 0         |
| 7  | Evaluation of financial incentives for green buildings in Canadian landscape. Renewable and Sustainable Energy Reviews, 2021, 135, 110199.  | 16.4 | 39        |
| 8  | Community-level decentralized energy system planning under uncertainty: A comparison of mathematical models for strategy development. Applied Energy, 2021, 283, 116304.  | 10.1 | 15        |
| 9  | Carbon capturing for emissions reduction at building level: A market assessment from a building management perspective. Journal of Cleaner Production, 2021, 294, 126323.   | 9.3  | 26        |
| 10 | A Comparative Analysis of the Environmental and Structural Performance of PET Bottle Designs in Sri Lanka. , 2021, , .  |      | 0         |
| 11 | Strategies to reduce energy and metalworking fluid consumption for the sustainability of turning operation: A review. Cleaner Engineering and Technology, 2021, 3, 100100.  | 4.0  | 9         |
| 12 | Carbon Capture Systems for Building-Level Heating Systems-A Socio-Economic and Environmental Evaluation. Sustainability, 2021, 13, 10681.   | 3.2  | 4         |
| 13 | Evaluating carbon capturing strategies for emissions reduction in community energy systems: A life cycle thinking approach. Energy, 2021, 232, 121012.  | 8.8  | 10        |
| 14 | Research on policy strategies for implementing energy retrofits in the residential buildings. Journal of Building Engineering, 2021, 43, 103161.  | 3.4  | 19        |
| 15 | BIM-based life cycle environmental performance assessment of single-family houses: Renovation and reconstruction strategies for aging building stock in British Columbia. Journal of Cleaner Production, 2020, 250, 119543. | 9.3  | 61        |
| 16 | To retrofit or not? Making energy retrofit decisions through life cycle thinking for Canadian residences. Energy and Buildings, 2020, 226, 110393.  | 6.7  | 36        |
| 17 | Assessment of renewable energy-based strategies for net-zero energy communities: A planning model using multi-objective goal programming. Journal of Cleaner Production, 2020, 272, 122886.                                 | 9.3  | 59        |
| 18 | Redefining Green Buildings: BIM-Based Framework for Zero Impact Civil Infrastructure. , 2020, , .   |      | 0         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Prospects of integrating carbon capturing into community scale energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110193.  | 16.4 | 26        |
| 20 | Decision making for risk management: A multi-criteria perspective. <i>Methods in Chemical Process Safety</i> , 2020, 4, 239-287.   | 1.0  | 18        |
| 21 | Occupant-based energy upgrades selection for Canadian residential buildings based on field energy data and calibrated simulations. <i>Journal of Cleaner Production</i> , 2020, 271, 122430. | 9.3  | 13        |
| 22 | Project deployment strategies for community renewable energy: A dynamic multi-period planning approach. <i>Renewable Energy</i> , 2020, 152, 237-258.  | 8.9  | 36        |
| 23 | The Nexus of Climate Change and Increasing Demand for Energy: A Policy Deliberation from the Canadian Context. <i>Lecture Notes in Energy</i> , 2020, , 263-294.                             | 0.3  | 6         |
| 24 | Coupling Behavior-Based Intervention with Pro-Environmentalism. <i>The Dynamics of Energy Usage, Crisis and Its Conservation. Lecture Notes in Energy</i> , 2020, , 169-185.                 | 0.3  | 0         |
| 25 | Renewable energy selection for net-zero energy communities: Life cycle based decision making under uncertainty. <i>Renewable Energy</i> , 2019, 130, 558-573.                                | 8.9  | 142       |
| 26 | Optimal renewable energy supply choices for net-zero ready buildings: A life cycle thinking approach under uncertainty. <i>Energy and Buildings</i> , 2019, 201, 70-89.                      | 6.7  | 49        |
| 27 | Energy rating system for climate conscious operation of multi-unit residential buildings. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 785-802.                            | 4.1  | 11        |
| 28 | Renewable energy integration into community energy systems: A case study of new urban residential development. <i>Journal of Cleaner Production</i> , 2018, 173, 292-307.                    | 9.3  | 65        |
| 29 | Opportunities and challenges in energy demand reduction for Canadian residential sector: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2005-2016.                    | 16.4 | 39        |
| 30 | Life cycle environmental impacts of the apparel industry in Sri Lanka: Analysis of the energy sources. <i>Journal of Cleaner Production</i> , 2018, 172, 1346-1357.                          | 9.3  | 51        |
| 31 | Climate conscious regional planning for fast-growing communities. <i>Journal of Cleaner Production</i> , 2017, 165, 81-92.   | 9.3  | 16        |