

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	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
2	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
3	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> , 2020, 250, 119543.	9.3	61
4	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> , 2020, 272, 122886.	9.3	59
5	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
6	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
7	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
8	Evaluation of financial incentives for green buildings in Canadian landscape. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110199.	16.4	39
9	To retrofit or not? Making energy retrofit decisions through life cycle thinking for Canadian residences. <i>Energy and Buildings</i> , 2020, 226, 110393.	6.7	36
10	Project deployment strategies for community renewable energy: A dynamic multi-period planning approach. <i>Renewable Energy</i> , 2020, 152, 237-258.	8.9	36
11	Prospects of integrating carbon capturing into community scale energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110193.	16.4	26
12	Carbon capturing for emissions reduction at building level: A market assessment from a building management perspective. <i>Journal of Cleaner Production</i> , 2021, 294, 126323.	9.3	26
13	Research on policy strategies for implementing energy retrofits in the residential buildings. <i>Journal of Building Engineering</i> , 2021, 43, 103161.	3.4	19
14	Decision making for risk management: A multi-criteria perspective. <i>Methods in Chemical Process Safety</i> , 2020, 4, 239-287.	1.0	18
15	Climate conscious regional planning for fast-growing communities. <i>Journal of Cleaner Production</i> , 2017, 165, 81-92.	9.3	16
16	Community-level decentralized energy system planning under uncertainty: A comparison of mathematical models for strategy development. <i>Applied Energy</i> , 2021, 283, 116304.	10.1	15
17	Sustainable machining: environmental performance analysis of turning. <i>International Journal of Sustainable Engineering</i> , 2022, 15, 15-34.	3.5	15
18	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

#	ARTICLE	IF	CITATIONS
19	Transforming road freight transportation from fossils to hydrogen: Opportunities and challenges. <i>International Journal of Sustainable Transportation</i> , 2023, 17, 552-572.	4.1	12
20	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
21	Evaluating carbon capturing strategies for emissions reduction in community energy systems: A life cycle thinking approach. <i>Energy</i> , 2021, 232, 121012.	8.8	10
22	Strategies to reduce energy and metalworking fluid consumption for the sustainability of turning operation: A review. <i>Cleaner Engineering and Technology</i> , 2021, 3, 100100.	4.0	9
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	Liquefied natural gas exports from Canada to China: An analysis of internationally transferred mitigation outcomes (ITMO). <i>Journal of Cleaner Production</i> , 2022, 347, 131291.	9.3	6
25	Carbon Capture Systems for Building-Level Heating Systems—A Socio-Economic and Environmental Evaluation. <i>Sustainability</i> , 2021, 13, 10681.	3.2	4
26	Life Cycle Thinking—Based Decision Making for Bridges under Seismic Conditions. II: A Case Study on Bridges with Superelastic SMA RC Piers. <i>Journal of Bridge Engineering</i> , 2022, 27, .	2.9	3
27	Life Cycle Thinking—Based Decision Making for Bridges under Seismic Conditions. I: Methodology and Framework. <i>Journal of Bridge Engineering</i> , 2022, 27, .	2.9	3
28	Redefining Green Buildings: BIM-Based Framework for Zero Impact Civil Infrastructure. , 2020, , .		0
29	A Comparative Analysis of the Environmental and Structural Performance of PET Bottle Designs in Sri Lanka. , 2021, , .		0
30	Coupling Behavior-Based Intervention with Pro-Environmentalism. The Dynamics of Energy Usage, Crisis and Its Conservation. <i>Lecture Notes in Energy</i> , 2020, , 169-185.	0.3	0
31	Overcoming the energy security challenges in developing countries. , 2022, , 61-88.		0