Kasun Hewage

List of Publications by Year
in descending order

155 papers	5,909 citations	94433 37 h-index	88630 70 g-index
157 all docs	157 docs citations	157 times ranked	5232 citing authors

#	Article	IF	Citations
1	The integration of building information modeling (BIM) and system dynamic modeling to minimize construction waste generation from change orders. International Journal of Construction Management, 2023, 23, 156-166.	3.2	10
2	Integrated planning framework for urban stormwater management: one water approach. Sustainable and Resilient Infrastructure, 2023, 8, 48-69.	2.8	7
3	Transforming road freight transportation from fossils to hydrogen: Opportunities and challenges. International Journal of Sustainable Transportation, 2023, 17, 552-572.	4.1	12
4	Sustainable, resilient, and reliable urban water systems: making the case for a â€œone waterâ€•approach. Environmental Reviews, 2022, 30, 10-29.	4.5	11
5	Nexus of economic growth, energy consumption, FDI and emissions: a tale of Bangladesh. Environment, Development and Sustainability, 2022, 24, 6327-6348.	5.0	16
6	Probabilistic framework for assessing ecological risk of Contaminants of Emerging Concern: Application to a Canadian lake system. Chemosphere, 2022, 287, 131910.	8.2	9
7	Integrated probabilistic-fuzzy synthetic evaluation of drinking water quality in rural and remote communities. Journal of Environmental Management, 2022, 301, 113937.	7.8	12
8	Waste-to-hydrogen technologies: A critical review of techno-economic and socio-environmental sustainability. International Journal of Hydrogen Energy, 2022, 47, 5842-5870.	7.1	44
9	Staged energy and water quality optimization for large water distribution systems. Environmental Monitoring and Assessment, 2022, 194, 232.	2.7	1
10	An Energy Performance Contract Optimization Approach to Meet the Competing Stakeholder Expectations under Uncertainty: A Canadian Case Study. Sustainability, 2022, 14, 4334.	3.2	4
11	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
12	Economic sustainability benchmarking of modular homes: A life cycle thinking approach. Journal of Cleaner Production, 2022, 348, 131290.	9.3	4
13	Evaluation of offshore oil spill response waste management strategies: A lifecycle assessment-based framework. Journal of Hazardous Materials, 2022, 432, 128659.	12.4	12
14	Life Cycle Thinkingâ€"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
15	Continuous performance improvement of aquatic centres: A Taguchi-based optimization approach towards sustainability. Journal of Building Engineering, 2022, 54, 104576.	3.4	3
16	Developing an Integrated â€œRegression-QMRA methodâ€•to Predict Public Health Risks of Low Impact Developments (LIDs) for Improved Planning. Environmental Management, 2022, , 1.	2.7	2
17	Life Cycle Thinkingâ€"Based Decision Making for Bridges under Seismic Conditions. I: Methodology and Framework. Journal of Bridge Engineering, 2022, 27, .	2.9	3
18	Overcoming the energy security challenges in developing countries. , 2022, , 61-88.		0

#	Article	IF	Citations
19	Evaluation of machine learning techniques to select marine oil spill response methods under small-sized dataset conditions. Journal of Hazardous Materials, 2022, 436, 129282.	12.4	12
20	Artificial Neural Network for Predicting Building Energy Performance: A Surrogate Energy Retrofits Decision Support Framework. Buildings, 2022, 12, 829.	3.1	16
21	Decentralized cooperative approach for electric vehicle charging. Journal of Cleaner Production, 2022, 364, 132590.	9.3	11
22	Investigating temporal dynamics of urban densification on the buried water infrastructure performance. Cities, 2022, 129, 103836.	5.6	2
23	Data Analytics and Artificial Intelligence in the Complex Environment of Megaprojects: Implications for Practitioners and Project Organizing Theory. Project Management Journal, 2022, 53, 485-500.	4.3	12
24	Optimization of hydraulic fracturing wastewater management alternatives: A hybrid multi-objective linear programming model. Journal of Cleaner Production, 2021, 286, 124950.	9.3	12
25	Green blasting policy: Simultaneous forecast of vertical and horizontal distribution of dust emissions using artificial causality-weighted neural network. Journal of Cleaner Production, 2021, 283, 124562.	9.3	34
26	Life cycle assessment of low-temperature thermal desorption-based technologies for drill cuttings treatment. Journal of Hazardous Materials, 2021, 401, 123865.	12.4	40
27	Evaluation of financial incentives for green buildings in Canadian landscape. Renewable and Sustainable Energy Reviews, 2021, 135, 110199.	16.4	39
28	Performance indicators for aquatic centres in Canada: Identification and selection using fuzzy based methods. Science of the Total Environment, 2021, 751, 141619.	8.0	12
29	Low-temperature thermal desorption and secure landfill for oil-based drill cuttings management: Pollution control, human health risk, and probabilistic cost assessment. Journal of Hazardous Materials, 2021, 410, 124570.	12.4	38
30	Fuzzy cognitive maps in systems risk analysis: a comprehensive review. Complex & Intelligent Systems, 2021, 7, 621-637.	6.5	37
31	Community-level decentralized energy system planning under uncertainty: A comparison of mathematical models for strategy development. Applied Energy, 2021, 283, 116304.	10.1	15
32	Analyzing present and future availability of critical high-tech minerals in waste cellphones: A case study of India. Waste Management, 2021, 119, 275-284.	7.4	21
33	Optimization of integrated fuzzy decision tree and regression models for selection of oil spill response method in the Arctic. Knowledge-Based Systems, 2021, 213, 106676.	7.1	22
34	Energy Performance Assessment Framework for Residential Buildings in Saudi Arabia. Sustainability, 2021, 13, 2232.	3.2	7
35	Air Pollution Risk Assessment Using a Hybrid Fuzzy Intelligent Probability-Based Approach: Mine Blasting Dust Impacts. Natural Resources Research, 2021, 30, 2607-2627.	4.7	31
36	Improving the capital deployment efficiency: An infrastructure investment planning process in transportation project. Research in Transportation Economics, 2021, 88, 101048.	4.1	9

#	Article	IF	Citations
37	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
38	Integrated level of service index for buried water infrastructure: Selection and development of performance indicators. Sustainable Cities and Society, 2021, 68, 102799.	10.4	7
39	An adaptive real–time energy management system for a renewable energy–based microgrid. IET Renewable Power Generation, 2021, 15, 2918-2930.	3.1	8
40	Predicting unregulated disinfection by-products in water distribution networks using generalized regression neural networks. Urban Water Journal, 2021, 18, 711-724.	2.1	8
41	Drinking water quality assessment in distribution networks: A water footprint approach. Science of the Total Environment, 2021, 775, 145844.	8.0	25
42	Investigating Spatiotemporal Variability of Water, Energy, and Carbon Flows: A Probabilistic Fuzzy Synthetic Evaluation Framework for Higher Education Institutions. Environments - MDPI, 2021, 8, 72.	3.3	2
43	Optimization of Blasting-Associated Costs in Surface Mines Using Risk-based Probabilistic Integer Programming and Firefly Algorithm. Natural Resources Research, 2021, 30, 4789-4806.	4.7	10
44	An integrated risk assessment and prediction framework for fire ignition sources in smart-green multi-unit residential buildings. International Journal of Systems Assurance Engineering and Management, 2021, 12, 1262-1295.	2.4	4
45	Framework for Developing a Low-Carbon Energy Demand in Residential Buildings Using Community-Government Partnership: An Application in Saudi Arabia. Energies, 2021, 14, 4954.	3.1	10
46	An integrated geospatial correlation analysis and human health risk assessment approach for investigating abandoned industrial sites. Journal of Environmental Management, 2021, 293, 112891.	7.8	16
47	Carbon Capture Systems for Building-Level Heating Systems—A Socio-Economic and Environmental Evaluation. Sustainability, 2021, 13, 10681.	3.2	4
48	Intelligent computational techniques in marine oil spill management: A critical review. Journal of Hazardous Materials, 2021, 419, 126425.	12.4	28
49	Evaluating carbon capturing strategies for emissions reduction in community energy systems: A life cycle thinking approach. Energy, 2021, 232, 121012.	8.8	10
50	Life cycle thinking-based energy retrofits evaluation framework for Canadian residences: A Pareto optimization approach. Building and Environment, 2021, 204, 108115.	6.9	20
51	Research on policy strategies for implementing energy retrofits in the residential buildings. Journal of Building Engineering, 2021, 43, 103161.	3.4	19
52	Mobile energy hub planning for complex urban networks: A robust optimization approach. Energy, 2021, 235, 121424.	8.8	15
53	Influence of Socio-Cultural Attributes on Stigmatizing Public Transport in Saudi Arabia. Sustainability, 2021, 13, 12075.	3.2	5
54	Environmental assessment under uncertainty using Dempster–Shafer theory and Z-numbers. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2041-2060.	4.9	105

#	Article	IF	Citations
55	Drinking Water Treatments for Arsenic and Manganese Removal and Health Risk Assessment in White Rock, Canada. Exposure and Health, 2020, 12, 793-807.	4.9	12
56	Analyzing energy options for small-scale off-grid communities: A Canadian case study. Journal of Cleaner Production, 2020, 249, 119320.	9.3	27
57	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
58	Electric vehicle recharging infrastructure planning and management in urban communities. Journal of Cleaner Production, 2020, 250, 119559.	9.3	19
59	Comparative life-cycle assessment of traditional and emerging oily sludge treatment approaches. Journal of Cleaner Production, 2020, 251, 119594.	9.3	97
60	To retrofit or not? Making energy retrofit decisions through life cycle thinking for Canadian residences. Energy and Buildings, 2020, 226, 110393.	6.7	36
61	Selection of oil spill response method in Arctic offshore waters: A fuzzy decision tree based framework. Marine Pollution Bulletin, 2020, 161, 111705.	5.0	25
62	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
63	Redefining Green Buildings: BIM-Based Framework for Zero Impact Civil Infrastructure. , 2020, , .		0
64	Prospects of integrating carbon capturing into community scale energy systems. Renewable and Sustainable Energy Reviews, 2020, 133, 110193.	16.4	26
65	Smart city and resilient city: Differences and connections. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1388.	6.8	26
66	Unfolding â€˜bigâ€™ problems of small water system performance: a qualitative study in British Columbia. Canadian Water Resources Journal, 2020, 45, 269-286.	1.2	5
67	Urban cohesion vis-Ã -vis organic spatialization of â€œThird placesâ€•in Saudi Arabia: The need for an alternative planning praxis. Habitat International, 2020, 105, 102258.	5.8	4
68	Human health risk-based life cycle assessment of drinking water treatment for heavy metal(loids) removal. Journal of Cleaner Production, 2020, 267, 121980.	9.3	27
69	A process-based LCA for selection of low-impact DBPs control strategy for indoor swimming pool operation. Journal of Cleaner Production, 2020, 270, 122372.	9.3	11
70	Decision making for risk management: A multi-criteria perspective. Methods in Chemical Process Safety, 2020, 4, 239-287.	1.0	18
71	Occupant-based energy upgrades selection for Canadian residential buildings based on field energy data and calibrated simulations. Journal of Cleaner Production, 2020, 271, 122430.	9.3	13
72	Investigating the impacts of urban densification on buried water infrastructure through DPSIR framework. Journal of Cleaner Production, 2020, 259, 120897.	9.3	33

#	Article	IF	Citations
73	Benchmarking of Water, Energy, and Carbon Flows in Academic Buildings: A Fuzzy Clustering Approach. Sustainability, 2020, 12, 4422.	3.2	13
74	Predicting unregulated disinfection by-products in small water distribution networks: an empirical modelling framework. Environmental Monitoring and Assessment, 2020, 192, 497.	2.7	16
75	Investigating the public health risks of low impact developments at residential, neighbourhood, and municipal levels. Science of the Total Environment, 2020, 744, 140778.	8.0	7
76	Project deployment strategies for community renewable energy: A dynamic multi-period planning approach. Renewable Energy, 2020, 152, 237-258.	8.9	36
77	The Nexus of Climate Change and Increasing Demand for Energy: A Policy Deliberation from the Canadian Context. Lecture Notes in Energy, 2020, , 263-294.	0.3	6
78	Segmentation of COVID-19 pneumonia lesions: A deep learning approach. Medical Journal of the Islamic Republic of Iran, 2020, 34, 174.	0.9	1
79	Renewable energy selection for net-zero energy communities: Life cycle based decision making under uncertainty. Renewable Energy, 2019, 130, 558-573.	8.9	142
80	Optimal renewable energy supply choices for net-zero ready buildings: A life cycle thinking approach under uncertainty. Energy and Buildings, 2019, 201, 70-89.	6.7	49
81	An integrated hazard screening and indexing system for hydraulic fracturing chemical assessment. Chemical Engineering Research and Design, 2019, 130, 126-139.	5.6	7
82	Fuzzy fault tree analysis of hydraulic fracturing flowback water storage failure. Journal of Natural Gas Science and Engineering, 2019, 72, 103039.	4.4	16
83	Heavy metals risk assessment in drinking water: An integrated probabilistic-fuzzy approach. Journal of Environmental Management, 2019, 250, 109514.	7.8	44
84	Conventional versus modular construction methods: A comparative cradle-to-gate LCA for residential buildings. Energy and Buildings, 2019, 204, 109479.	6.7	112
85	Inter-University Sustainability Benchmarking for Canadian Higher Education Institutions: Water, Energy, and Carbon Flows for Technical-Level Decision-Making. Sustainability, 2019, 11, 2599.	3.2	20
86	State of provincial regulations and guidelines to promote low impact development (LID) alternatives across Canada: Content analysis and comparative assessment. Journal of Environmental Management, 2019, 235, 389-402.	7.8	24
87	A Method of Measuring Uncertainty for Z-Number. IEEE Transactions on Fuzzy Systems, 2019, 27, 731-738.	9.8	109
88	Performance of low-impact development best management practices: a critical review. Environmental Reviews, 2019, 27, 17-42.	4.5	29
89	Fuzzy clustering analysis of hydraulic fracturing additives for environmental and human health risk mitigation. Clean Technologies and Environmental Policy, 2019, 21, 39-53.	4.1	12
90	Investigating the effects of design and management factors on DBPs levels in indoor aquatic centres. Science of the Total Environment, 2019, 651, 775-786.	8.0	25

#	Article	IF	Citations
91	Optimizing residential density based on water–energy–carbon nexus using UTilitÃ©s Additives (UTA) method. Clean Technologies and Environmental Policy, 2018, 20, 855-870.	4.1	13
92	Energy rating system for climate conscious operation of multi-unit residential buildings. Clean Technologies and Environmental Policy, 2018, 20, 785-802.	4.1	11
93	Life cycle sustainability performance assessment framework for residential modular buildings: Aggregated sustainability indices. Building and Environment, 2018, 138, 21-41.	6.9	99
94	An integrated chemical management methodology for hydraulic fracturing: A fuzzy-based indexing approach. Journal of Cleaner Production, 2018, 187, 63-75.	9.3	13
95	Renewable energy integration into community energy systems: A case study of new urban residential development. Journal of Cleaner Production, 2018, 173, 292-307.	9.3	65
96	Opportunities and challenges in energy demand reduction for Canadian residential sector: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 2005-2016.	16.4	39
97	Multi-period maintenance planning for public buildings: A risk based approach for climate conscious operation. Journal of Cleaner Production, 2018, 170, 1338-1353.	9.3	40
98	Sustainability assessment framework for small-sized urban neighbourhoods: An application of fuzzy synthetic evaluation. Sustainable Cities and Society, 2018, 36, 21-32.	10.4	70
99	Development of a predictive model for Clostridium difficile infection incidence in hospitals using Gaussian mixture model and Dempster–Shafer theory. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1743-1758.	4.0	20
100	Evaluating water reuse applications under uncertainty: generalized intuitionistic fuzzy-based approach. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1099-1111.	4.0	20
101	Hazard assessment of hydraulic fracturing chemicals using an indexing method. Science of the Total Environment, 2018, 619-620, 281-290.	8.0	14
102	Path toward net-zero buildings: a natural capital assessment framework. Clean Technologies and Environmental Policy, 2018, 20, 201-218.	4.1	5
103	Prioritization of unregulated disinfection by-products in drinking water distribution systems for human health risk mitigation: A critical review. Water Research, 2018, 147, 112-131.	11.3	108
104	Life Cycle Thinking–Based Selection of Building Facades. Journal of Architectural Engineering, 2018, 24, .	1.6	16
105	Scenario-based economic and environmental analysis of clean energy incentives for households in Canada: Multi criteria decision making approach. Journal of Cleaner Production, 2018, 198, 170-186.	9.3	23
106	Generating Z-number based on OWA weights using maximum entropy. International Journal of Intelligent Systems, 2018, 33, 1745-1755.	5.7	76
107	Ecological risk assessment of accidental release of flowback water: A conceptual framework. Human and Ecological Risk Assessment (HERA), 2018, 24, 398-426.	3.4	8
108	Investigating the impacts of plausible Canadian policies and their supporting mechanisms on export-based regional air pollution in China: A cement manufacturing case study. Facets, 2018, 3, 920-933.	2.4	0

#	Article	IF	Citations
109	Clostridium difficile infection incidence prediction in hospitals (CDIIPH): a predictive model based on decision tree and fuzzy techniques. Stochastic Environmental Research and Risk Assessment, 2017, 31, 417-430.	4.0	7
110	Sustainability evaluation framework for building cooling systems: a comparative study of snow storage and conventional chiller systems. Clean Technologies and Environmental Policy, 2017, 19, 137-155.	4.1	16
111	Economic evaluation of building energy retrofits: A fuzzy based approach. Energy and Buildings, 2017, 139, 395-406.	6.7	77
112	Water–Energy–Carbon Nexus Modeling for Urban Water Systems: System Dynamics Approach. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	2.6	82
113	Impacts of neighborhood densification on water-energy-carbon nexus: Investigating water distribution and residential landscaping system. Journal of Cleaner Production, 2017, 156, 786-795.	9.3	36
114	The impacts of decision uncertainty on municipal solid waste management. Journal of Environmental Management, 2017, 197, 305-315.	7.8	31
115	Energy Efficiency and Global Warming Potential in the Residential Sector: Comparative Evaluation of Canada and Saudi Arabia. Journal of Architectural Engineering, 2017, 23, 04017009.	1.6	7
116	A health-based life cycle impact assessment (LCIA) for cement manufacturing: a comparative study of China and Canada. Clean Technologies and Environmental Policy, 2017, 19, 679-687.	4.1	4
117	Are we ready for alternative fuel transportation systems in Canada: A regional vignette. Journal of Cleaner Production, 2017, 166, 717-731.	9.3	13
118	Climate conscious regional planning for fast-growing communities. Journal of Cleaner Production, 2017, 165, 81-92.	9.3	16
119	Fit-for-purpose wastewater treatment: Testing to implementation of decision support tool (II). Science of the Total Environment, 2017, 607-608, 403-412.	8.0	22
120	Fit-for-purpose wastewater treatment: Conceptualization to development of decision support tool (I). Science of the Total Environment, 2017, 607-608, 600-612.	8.0	37
121	Water use in unconventional oil and gas development: an assessment on water use metric evaluation and selection. Clean Technologies and Environmental Policy, 2017, 19, 2417-2429.	4.1	1
122	Developing a level of service (LOS) index for operational management of public buildings. Sustainable Cities and Society, 2017, 34, 159-173.	10.4	22
123	Rethinking investment planning and optimizing net zero emission buildings. Clean Technologies and Environmental Policy, 2017, 19, 1711-1724.	4.1	14
124	Development of performance criteria for sustainability evaluation of modular versus conventional construction methods. Journal of Cleaner Production, 2017, 142, 3592-3606.	9.3	179
125	Microbial quality of reclaimed water for urban reuses: Probabilistic risk-based investigation and recommendations. Science of the Total Environment, 2017, 576, 738-751.	8.0	46
126	Selecting Sustainability Indicators for Small to Medium Sized Urban Water Systems Using Fuzzy–ELECTRE. Water Environment Research, 2017, 89, 238-249.	2.7	26

#	Article	IF	Citations
127	A new weighting factor in combining belief function. PLoS ONE, 2017, 12, e0177695.	2.5	7
128	Characterizing hydraulic fracturing fluid greenness: application of a hazard-based index approach. Clean Technologies and Environmental Policy, 2016, 18, 647-668.	4.1	13
129	Sustainability assessment of roadway projects under uncertainty using Green Proforma: An index-based approach. International Journal of Sustainable Built Environment, 2016, 5, 604-619.	3.2	39
130	Techno-economic performance evaluation of building cooling systems: A study of snow storage and conventional chiller systems. Cold Regions Science and Technology, 2016, 130, 8-20.	3.5	9
131	Life cycle performance of modular buildings: A critical review. Renewable and Sustainable Energy Reviews, 2016, 62, 1171-1183.	16.4	358
132	Sustainability assessment framework for low rise commercial buildings: life cycle impact index-based approach. Clean Technologies and Environmental Policy, 2016, 18, 2579-2590.	4.1	33
133	Human health assessment for remediation technologies (HEART): a multi-criteria decision analysis tool. International Journal of Systems Assurance Engineering and Management, 2016, 7, 183-200.	2.4	0
134	Improving the energy efficiency of the existing building stock: A critical review of commercial and institutional buildings. Renewable and Sustainable Energy Reviews, 2016, 53, 1032-1045.	16.4	261
135	Sustainable procurement in the Canadian construction industry: current practices, drivers and opportunities. Journal of Cleaner Production, 2015, 109, 305-314.	9.3	120
136	Sustainable procurement in the Canadian construction industry: challenges and benefits. Canadian Journal of Civil Engineering, 2015, 42, 417-426.	1.3	46
137	Life cycle sustainability assessment (LCSA) for selection of sewer pipe materials. Clean Technologies and Environmental Policy, 2015, 17, 973-992.	4.1	54
138	Spatial life cycle sustainability assessment: a conceptual framework for net-zero buildings. Clean Technologies and Environmental Policy, 2015, 17, 2243-2253.	4.1	38
139	AHP based life cycle sustainability assessment (LCSA) framework: a case study of six storey wood frame and concrete frame buildings in Vancouver. Journal of Environmental Planning and Management, 2015, 58, 1217-1241.	4.5	86
140	â€˜Socializingâ€™ sustainability: a critical review on current development status of social life cycle impact assessment method. Clean Technologies and Environmental Policy, 2015, 17, 579-596.	4.1	117
141	Review of Contemporary Construction Procurement Practices. Journal of Management in Engineering - ASCE, 2015, 31, .	4.8	60
142	Multiple stakeholders in multi-criteria decision-making in the context of Municipal Solid Waste Management: A review. Waste Management, 2015, 35, 318-328.	7.4	267
143	Emergy-based life cycle assessment (Em-LCA) of multi-unit and single-family residential buildings in Canada. International Journal of Sustainable Built Environment, 2014, 3, 207-224.	3.2	60
144	Sustainability performance assessment of green roof systems using fuzzy-analytical hierarchy process (FAHP). International Journal of Sustainable Building Technology and Urban Development, 2014, 5, 260-276.	1.0	12

#	Article	IF	Citations
145	Emergy-based life cycle assessment (Em-LCA) for sustainability appraisal of infrastructure systems: a case study on paved roads. Clean Technologies and Environmental Policy, 2014, 16, 251-266.	4.1	82
146	An overview of air emission intensities and environmental performance of grey cement manufacturing in Canada. Clean Technologies and Environmental Policy, 2014, 16, 1119-1131.	4.1	35
147	Emergy accounting for regional studies: Case study of Canada and its provinces. Journal of Environmental Management, 2013, 118, 177-185.	7.8	28
148	Environmental and economic aspects of production and utilization of RDF as alternative fuel in cement plants: A case study of Metro Vancouver Waste Management. Resources, Conservation and Recycling, 2013, 81, 105-114.	10.8	112
149	An overview of construction and demolition waste management in Canada: a lifecycle analysis approach to sustainability. Clean Technologies and Environmental Policy, 2013, 15, 81-91.	4.1	373
150	A fuzzy-based approach for characterization of uncertainties inÂemergy synthesis: an example of paved road system. Journal of Cleaner Production, 2013, 59, 99-110.	9.3	36
151	Exposure to Crystalline Silica Inhalation Among Construction Workers: A Probabilistic Risk Analysis. Human and Ecological Risk Assessment (HERA), 2012, 18, 1036-1050.	3.4	9
152	Probabilistic social cost-benefit analysis for green roofs: A lifecycle approach. Building and Environment, 2012, 58, 152-162.	6.9	191
153	Sustainable Materials Selection for Canadian Construction Industry: An Emergy-Based Life-Cycle Analysis (Em-LCA) of Conventional and LEED Suggested Construction Materials. Journal of Sustainable Development, 2011, 5, .	0.3	4
154	Sustainability assessment of flooring systems in the city of Tehran: An AHP-based life cycle analysis. Construction and Building Materials, 2011, 25, 2053-2066.	7.2	159
155	Environmental and economic performance of a water distribution system through a lens of life cycle thinking: A case study of the City of Kelowna. Sustainable and Resilient Infrastructure, 0, , 1-22.	2.8	2