

Jun Nakatani

List of Publications by Year in descending order

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57
papers

1,021
citations

394421

19
h-index

454955

30
g-index

59
all docs

59
docs citations

59
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	A Life Cycle Thinking Framework to Mitigate the Environmental Impact of Building Materials. <i>One Earth</i> , 2020, 3, 564-573.	6.8	72
2	Analysis of factors influencing consumers' proenvironmental behavior based on life cycle thinking. Part I: effect of environmental awareness and trust in environmental information on product choice. <i>Journal of Cleaner Production</i> , 2016, 117, 10-18.	9.3	68
3	Life-cycle assessment of domestic and transboundary recycling of post-consumer PET bottles. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 590-597.	4.7	67
4	Time-series product and substance flow analyses of end-of-life electrical and electronic equipment in China. <i>Waste Management</i> , 2014, 34, 489-497.	7.4	62
5	Urbanization impacts on greenhouse gas (GHG) emissions of the water infrastructure in China: Trade-offs among sustainable development goals (SDGs). <i>Journal of Cleaner Production</i> , 2019, 232, 474-486.	9.3	57
6	Life Cycle Inventory Analysis of Recycling: Mathematical and Graphical Frameworks. <i>Sustainability</i> , 2014, 6, 6158-6169.	3.2	46
7	Evaluation of Risk Perception and Risk-Comparison Information Regarding Dietary Radionuclides after the 2011 Fukushima Nuclear Power Plant Accident. <i>PLoS ONE</i> , 2016, 11, e0165594.	2.5	46
8	Inter-regional spillover of China's sulfur dioxide (SO ₂) pollution across the supply chains. <i>Journal of Cleaner Production</i> , 2019, 207, 418-431.	9.3	45
9	Revealing the intersectoral material flow of plastic containers and packaging in Japan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19844-19853.	7.1	44
10	Hidden greenhouse gas emissions for water utilities in China's cities. <i>Journal of Cleaner Production</i> , 2017, 162, 665-677.	9.3	36
11	A graph theory-based methodology for vulnerability assessment of supply chains using the life cycle inventory database. <i>Omega</i> , 2018, 75, 165-181.	5.9	33
12	Dynamic material flow and stock analysis of residential buildings by integrating rural-urban land transition: A case of Shanghai. <i>Journal of Cleaner Production</i> , 2020, 253, 119941.	9.3	33
13	Latest Trends and Challenges in Feedstock Recycling of Polyolefinic Plastics. <i>Journal of the Japan Petroleum Institute</i> , 2020, 63, 345-364.	0.6	32
14	Life cycle assessment of conventional and optimised Jatropha biodiesel fuels. <i>Renewable Energy</i> , 2016, 86, 585-593.	8.9	30
15	Designing Interventions for Behavioral Shifts toward Product Sharing: The Case of Laundry Activities in Japan. <i>Sustainability</i> , 2018, 10, 2687.	3.2	28
16	Analysis of supercritical water oxidation for detoxification of waste organic solvent in university based on life cycle assessment. <i>Journal of Hazardous Materials</i> , 2011, 194, 283-289.	12.4	23
17	Climate Change Implications of Bio-Based and Marine-Biodegradable Plastic: Evidence from Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Environmental Science & Technology</i> , 2021, 55, 3380-3388.	10.0	22
18	Multicriteria Design of Plastic Recycling Based on Quality Information and Environmental Impacts. <i>Journal of Industrial Ecology</i> , 2011, 15, 228-244.	5.5	21

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19	Variability-based optimal design for robust plastic recycling systems. <i>Resources, Conservation and Recycling</i> , 2017, 116, 53-60.	10.8	21
20	Life cycle assessment of integrated recycling schemes for plastic containers and packaging with consideration of resin composition. <i>Journal of Material Cycles and Waste Management</i> , 2012, 14, 52-64.	3.0	20
21	Compilation of an Embodied CO2 Emission Inventory for China Using 135-Sector Input-Output Tables. <i>Sustainability</i> , 2015, 7, 8223-8239.	3.2	20
22	Hibernating behavior for household personal computers. <i>Resources, Conservation and Recycling</i> , 2020, 162, 105015.	10.8	16
23	Comparative energy and environmental analysis of Jatropha bioelectricity versus biodiesel production in remote areas. <i>Energy</i> , 2015, 83, 284-293.	8.8	15
24	Analysis of factors influencing consumers' proenvironmental behavior based on life cycle thinking. Part II: trust model of environmental information. <i>Journal of Cleaner Production</i> , 2016, 125, 216-226.	9.3	14
25	Resource-availability scenario analysis for formal and informal recycling of end-of-life electrical and electronic equipment in China. <i>Journal of Material Cycles and Waste Management</i> , 2017, 19, 599-611.	3.0	14
26	Applying choice experiments to valuing the different types of environmental issues in Japan. <i>Journal of Environmental Management</i> , 2007, 84, 362-376.	7.8	13
27	Dynamic analysis of in-use copper stocks by the final product and end-use sector in Japan with implication for future demand forecasts. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106153.	10.8	13
28	Environmental Impact Assessment on the Recycling of Waste LCD Panels. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6360-6368.	6.7	11
29	Calculation of Characterization Factors of Mineral Resources Considering Future Primary Resource Use Changes: A Comparison between Iron and Copper. <i>Sustainability</i> , 2018, 10, 267.	3.2	9
30	An Extended Model for Tracking Accumulation Pathways of Materials Using Input-Output Tables: Application to Copper Flows in Japan. <i>Sustainability</i> , 2018, 10, 876.	3.2	9
31	Evaluating source separation of plastic waste using conjoint analysis. <i>Waste Management</i> , 2008, 28, 2393-2402.	7.4	8
32	Analysis of Monetary Valuation of Urban Rivers Through Residents' Waterfront Awareness. <i>Journal of Japan Society on Water Environment</i> , 2011, 34, 29-40.	0.4	8
33	Consumers' motivations and barriers concerning various sharing services. <i>Journal of Cleaner Production</i> , 2021, 308, 127269.	9.3	8
34	Effect of Provided Information and Recipient's Personality on Risk Perception of Drinking Water. <i>Journal of Japan Society on Water Environment</i> , 2013, 36, 11-22.	0.4	7
35	Optimal Process Network for Integrated Solid Waste Management in Davao City, Philippines. <i>Sustainability</i> , 2022, 14, 2419.	3.2	7
36	Life cycle assessment of embodied human health effects of building materials in China. <i>Journal of Cleaner Production</i> , 2022, 350, 131484.	9.3	7

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37	Quantity- and quality-oriented scenario optimizations for the material recycling of plastic packaging in Japan. Resources, Conservation and Recycling, 2022, 180, 106162.	10.8	6
38	Integrated Assessment of Environmental Improvement in Lake Suwa by Multiple Countermeasures and Impact of Global Warming by Additional CO ₂ Emission. Journal of Japan Society on Water Environment, 2002, 25, 635-640.	0.4	4
39	A Practical Approach to Screening Potential Environmental Hotspots of Different Impact Categories in Supply Chains. Sustainability, 2015, 7, 11878-11892.	3.2	4
40	Decision Support for Plastics Recycling System Design Based on Individual Fossil Resource Consumption. Kagaku Kogaku Ronbunshu, 2010, 36, 243-254.	0.3	4
41	Evaluation of Environmental Impact of Car Sharing in Consideration of Uncertainty of Influential Variables. International Journal of Automation Technology, 2020, 14, 975-983.	1.0	4
42	Comparison of Domestic and Bilateral Recycling of Post-Consumer PET Bottles. Journal of the Japan Society of Waste Management Experts, 2008, 19, 328-339.	0.1	3
43	Development of board game to encourage life cycle thinking, and trial with university students in Japan. Cleaner and Responsible Consumption, 2021, 3, 100033.	3.0	2
44	Life-Cycle Assessment of Material Recycling based on Market Substitutability: A Case Study of PET Bottle Recycling. Journal of Life Cycle Assessment Japan, 2011, 7, 96-107.	0.0	1
45	Domestic and International Material Flow of Waste PET Bottles around Japan and Waste Plastic Recycling in China. Material Cycles and Waste Management Research, 2011, 22, 125-139.	0.0	1
46	Life Cycle Assessment of Discontinuation of Plastic Shopping Bags Considering Differences in the Indirect Effects of Municipal Waste Management Policies. Journal of the Japan Society of Material Cycles and Waste Management, 2016, 27, 44-53.	0.0	1
47	EcoBalance 2018”Nexus of ideas: innovation by linking through life cycle thinking (9”12 October 2018,) Tj ETQg1 1 0.784314 rgB	4.7	1
48	Global land use of diets in a small island community: a case study of Palau in the Pacific. Environmental Research Letters, 2021, 16, 065016.	5.2	1
49	Recycling Scenarios of Post-consumer PET Bottles. Journal of the Japan Society of Material Cycles and Waste Management, 2019, 30, 80-94.	0.0	1
50	Development of Environmental Information Provision Approaches for Enhancing Consumers’ Life Cycle Thinking Skills: Based on Scenario Analysis between Disposable and Reusable Shopping Bags. Journal of Life Cycle Assessment Japan, 2017, 13, 332-348.	0.0	1
51	PREFERENCE EVALUATION AND DECISION SUPPORT FOR MULTIPLE UTILITIES OF HEAT MITIGATION PROJECTS. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2011, 67, II_327-II_338.	0.1	0
52	CITIZEN PREFERENCE ASSESSMENT FOR POWER SUPPLY VISIONS USING CHOICE EXPERIMENTS. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2015, 71, II_125-II_131.	0.1	0
53	Recycling System Design that incorporates Robustness and Flexibility against Variation Risk. Journal of the Japan Society of Material Cycles and Waste Management, 2015, 26, 1-15.	0.0	0
54	Approaches to Supply Chain Risk Management from LCA Studies. Journal of Life Cycle Assessment Japan, 2018, 14, 292-301.	0.0	0

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55	Report on the 5th SETAC World Congress. Journal of Life Cycle Assessment Japan, 2008, 4, 392-395.	0.0	0
56	Extension of Input-Output Table for Environmental Impact Assessment Caused by Road Transport: Compilation and Application of the Annex Table of Business Use Truck. Journal of Life Cycle Assessment Japan, 2013, 9, 2-12.	0.0	0
57	Sharing Economy from the Perspective of Life Cycle Thinking. Journal of Life Cycle Assessment Japan, 2019, 15, 161-173.	0.0	0