

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
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59
all docs

59
docs citations

59
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Quantity- and quality-oriented scenario optimizations for the material recycling of plastic packaging in Japan. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106162.	10.8	6
3	Optimal Process Network for Integrated Solid Waste Management in Davao City, Philippines. <i>Sustainability</i> , 2022, 14, 2419.	3.2	7
4	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
5	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
6	Global land use of diets in a small island community: a case study of Palau in the Pacific. <i>Environmental Research Letters</i> , 2021, 16, 065016.	5.2	1
7	Consumers' motivations and barriers concerning various sharing services. <i>Journal of Cleaner Production</i> , 2021, 308, 127269.	9.3	8
8	Development of board game to encourage life cycle thinking, and trial with university students in Japan. <i>Cleaner and Responsible Consumption</i> , 2021, 3, 100033.	3.0	2
9	A Life Cycle Thinking Framework to Mitigate the Environmental Impact of Building Materials. <i>One Earth</i> , 2020, 3, 564-573.	6.8	72
10	Hibernating behavior for household personal computers. <i>Resources, Conservation and Recycling</i> , 2020, 162, 105015.	10.8	16
11	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
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	Evaluation of Environmental Impact of Car Sharing in Consideration of Uncertainty of Influential Variables. <i>International Journal of Automation Technology</i> , 2020, 14, 975-983.	1.0	4
15	EcoBalance 2018 Nexus of ideas: innovation by linking through life cycle thinking (9-12 October 2018,). <i>Tj ETQg1 1 0.784314 rgBT</i>	4.7	1
16	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
17	Environmental Impact Assessment on the Recycling of Waste LCD Panels. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6360-6368.	6.7	11
18	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

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19	Recycling Scenarios of Post-consumer PET Bottles. <i>Journal of the Japan Society of Material Cycles and Waste Management</i> , 2019, 30, 80-94.	0.0	1
20	Sharing Economy from the Perspective of Life Cycle Thinking. <i>Journal of Life Cycle Assessment Japan</i> , 2019, 15, 161-173.	0.0	0
21	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
22	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
23	Designing Interventions for Behavioral Shifts toward Product Sharing: The Case of Laundry Activities in Japan. <i>Sustainability</i> , 2018, 10, 2687.	3.2	28
24	Approaches to Supply Chain Risk Management from LCA Studies. <i>Journal of Life Cycle Assessment Japan</i> , 2018, 14, 292-301.	0.0	0
25	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
26	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
27	Hidden greenhouse gas emissions for water utilities in China's cities. <i>Journal of Cleaner Production</i> , 2017, 162, 665-677.	9.3	36
28	Variability-based optimal design for robust plastic recycling systems. <i>Resources, Conservation and Recycling</i> , 2017, 116, 53-60.	10.8	21
29	Development of Environmental Information Provision Approaches for Enhancing Consumers' Life Cycle Thinking Skills: Based on Scenario Analysis between Disposable and Reusable Shopping Bags. <i>Journal of Life Cycle Assessment Japan</i> , 2017, 13, 332-348.	0.0	1
30	Life Cycle Assessment of Discontinuation of Plastic Shopping Bags Considering Differences in the Indirect Effects of Municipal Waste Management Policies. <i>Journal of the Japan Society of Material Cycles and Waste Management</i> , 2016, 27, 44-53.	0.0	1
31	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
32	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
33	Life cycle assessment of conventional and optimised <i>Jatropha</i> biodiesel fuels. <i>Renewable Energy</i> , 2016, 86, 585-593.	8.9	30
34	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
35	CITIZEN PREFERENCE ASSESSMENT FOR POWER SUPPLY VISIONS USING CHOICE EXPERIMENTS. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2015, 71, II_125-II_131.	0.1	0
36	Recycling System Design that incorporates Robustness and Flexibility against Variation Risk. <i>Journal of the Japan Society of Material Cycles and Waste Management</i> , 2015, 26, 1-15.	0.0	0

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37	Compilation of an Embodied CO2 Emission Inventory for China Using 135-Sector Input-Output Tables. Sustainability, 2015, 7, 8223-8239.	3.2	20
38	A Practical Approach to Screening Potential Environmental Hotspots of Different Impact Categories in Supply Chains. Sustainability, 2015, 7, 11878-11892.	3.2	4
39	Comparative energy and environmental analysis of Jatropha bioelectricity versus biodiesel production in remote areas. Energy, 2015, 83, 284-293.	8.8	15
40	Life Cycle Inventory Analysis of Recycling: Mathematical and Graphical Frameworks. Sustainability, 2014, 6, 6158-6169.	3.2	46
41	Time-series product and substance flow analyses of end-of-life electrical and electronic equipment in China. Waste Management, 2014, 34, 489-497.	7.4	62
42	Effect of Provided Information and Recipient's Personality on Risk Perception of Drinking Water. Journal of Japan Society on Water Environment, 2013, 36, 11-22.	0.4	7
43	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
44	Life cycle assessment of integrated recycling schemes for plastic containers and packaging with consideration of resin composition. Journal of Material Cycles and Waste Management, 2012, 14, 52-64.	3.0	20
45	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
46	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
47	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
48	Analysis of Monetary Valuation of Urban Rivers Through Residents' Waterfront Awareness. Journal of Japan Society on Water Environment, 2011, 34, 29-40.	0.4	8
49	Multicriteria Design of Plastic Recycling Based on Quality Information and Environmental Impacts. Journal of Industrial Ecology, 2011, 15, 228-244.	5.5	21
50	Analysis of supercritical water oxidation for detoxification of waste organic solvent in university based on life cycle assessment. Journal of Hazardous Materials, 2011, 194, 283-289.	12.4	23
51	Life-cycle assessment of domestic and transboundary recycling of post-consumer PET bottles. International Journal of Life Cycle Assessment, 2010, 15, 590-597.	4.7	67
52	Decision Support for Plastics Recycling System Design Based on Individual Fossil Resource Consumption. Kagaku Kogaku Ronbunshu, 2010, 36, 243-254.	0.3	4
53	Evaluating source separation of plastic waste using conjoint analysis. Waste Management, 2008, 28, 2393-2402.	7.4	8
54	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

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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	Applying choice experiments to valuing the different types of environmental issues in Japan. Journal of Environmental Management, 2007, 84, 362-376.	7.8	13
57	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