

# Norihiro Itsubo

## List of Publications by Year in descending order

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108  
papers

1,941  
citations

257101

24  
h-index

276539

41  
g-index

115  
all docs

115  
docs citations

115  
times ranked

1866  
citing authors

#	ARTICLE	IF	CITATIONS
1	The LCIA midpoint-damage framework of the UNEP/SETAC life cycle initiative. International Journal of Life Cycle Assessment, 2004, 9, 394.	2.2	226
2	Weighting across safeguard subjects for LCIA through the application of conjoint analysis. International Journal of Life Cycle Assessment, 2004, 9, 196-205.	2.2	113
3	A new LCIA method: LIME has been completed. International Journal of Life Cycle Assessment, 2003, 8, 305-305.	2.2	103
4	Consensus building on the development of a stress-based indicator for LCA-based impact assessment of water consumption: outcome of the expert workshops. International Journal of Life Cycle Assessment, 2015, 20, 577-583.	2.2	84
5	Development of impact factors on damage to health by infectious diseases caused by domestic water scarcity. International Journal of Life Cycle Assessment, 2011, 16, 65-73.	2.2	68
6	The LCA of portland cement production in China. International Journal of Life Cycle Assessment, 2015, 20, 117-127.	2.2	68
7	Global guidance on environmental life cycle impact assessment indicators: findings of the scoping phase. International Journal of Life Cycle Assessment, 2014, 19, 962-967.	2.2	62
8	Consistent characterisation factors at midpoint and endpoint relevant to agricultural water scarcity arising from freshwater consumption. International Journal of Life Cycle Assessment, 2018, 23, 2276-2287.	2.2	58
9	Environmental life cycle assessment and social impacts of bioethanol production in Thailand. Journal of Cleaner Production, 2017, 157, 254-266.	4.6	57
10	Statistical analysis for the development of national average weighting factors—visualization of the variability between each individual’s environmental thoughts. International Journal of Life Cycle Assessment, 2012, 17, 488-498.	2.2	50
11	Disassembly system modeling and design with parts selection for cost, recycling and CO2 saving rates using multi criteria optimization. Journal of Manufacturing Systems, 2016, 38, 151-164.	7.6	49
12	Water Scarcity Footprints by Considering the Differences in Water Sources. Sustainability, 2015, 7, 9753-9772.	1.6	43
13	Development of weighting factors for G20 countries—explore the difference in environmental awareness between developed and emerging countries. International Journal of Life Cycle Assessment, 2018, 23, 2311-2326.	2.2	43
14	Development of human health damage factors related to CO2 emissions by considering future socioeconomic scenarios. International Journal of Life Cycle Assessment, 2018, 23, 2288-2299.	2.2	40
15	Evaluation of the Economic, Environmental, and Social Impacts of the COVID-19 Pandemic on the Japanese Tourism Industry. Sustainability, 2020, 12, 10302.	1.6	39
16	Internalization of the external costs of global environmental damage in an integrated assessment model. Energy Policy, 2009, 37, 2664-2678.	4.2	38
17	External-Cost Estimation of Electricity Generation in G20 Countries: Case Study Using a Global Life-Cycle Impact-Assessment Method. Sustainability, 2020, 12, 2002.	1.6	38
18	Development of human health damage factors for PM2.5 based on a global chemical transport model. International Journal of Life Cycle Assessment, 2018, 23, 2300-2310.	2.2	37

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19	Global supply chain network design and Asian analysis with material-based carbon emissions and tax. Computers and Industrial Engineering, 2017, 113, 779-792.	3.4	36
20	Development of the interregional I/O based LCA method considering region-specifics of indirect effects in regional evaluation. International Journal of Life Cycle Assessment, 2007, 12, 353-364.	2.2	33
21	Rapid Sampling of Suspended and Floating Microplastics in Challenging Riverine and Coastal Water Environments in Japan. Water (Switzerland), 2020, 12, 1903.	1.2	32
22	Carbon Footprint Evaluation Based on Tourist Consumption toward Sustainable Tourism in Japan. Sustainability, 2020, 12, 2219.	1.6	28
23	Development of damage function of acidification for terrestrial ecosystems based on the effect of aluminum toxicity on net primary production. International Journal of Life Cycle Assessment, 2004, 9, 13-22.	2.2	26
24	Expanded Damage Function of Stratospheric Ozone Depletion to Cover Major Endpoints Regarding Life Cycle Impact Assessment (12 pp). International Journal of Life Cycle Assessment, 2006, 11, 150-161.	2.2	25
25	Life Cycle Assessment of Japanese High-Temperature Conductive Adhesives. Environmental Science & Technology, 2008, 42, 3084-3089.	4.6	25
26	Development of weighting factors for G20 countries. Part 2: estimation of willingness to pay and annual global damage cost. International Journal of Life Cycle Assessment, 2018, 23, 2349-2364.	2.2	21
27	Life cycle assessment of maize cultivation and biomass utilization in northern Thailand. Scientific Reports, 2020, 10, 3516.	1.6	21
28	Development of the Social Inventory Database in Thailand Using Input-Output Analysis. Sustainability, 2015, 7, 7684-7713.	1.6	18
29	Ecosystem damage assessment of land transformation using species loss. International Journal of Life Cycle Assessment, 2018, 23, 2327-2338.	2.2	18
30	Global environmental impact assessment of the Pb-free shift. Soldering and Surface Mount Technology, 2007, 19, 18-28.	0.9	17
31	Development of water footprint inventory database on Japanese goods and services distinguishing the types of water resources and the forms of water uses based on input-output analysis. International Journal of Life Cycle Assessment, 2015, 20, 1456-1467.	2.2	17
32	Status of Life Cycle Assessment (LCA) in Africa. Environments - MDPI, 2021, 8, 10.	1.5	17
33	Development of damage function for stratospheric ozone layer depletion. International Journal of Life Cycle Assessment, 2000, 5, 265.	2.2	16
34	Screening life cycle impact assessment with weighting methodology based on simplified damage functions. International Journal of Life Cycle Assessment, 2000, 5, 273.	2.2	16
35	Estimating human health damage factors related to CO2 emissions by considering updated climate-related relative risks. International Journal of Life Cycle Assessment, 2019, 24, 1118-1128.	2.2	16
36	Current status of weighting methodologies in Japan. International Journal of Life Cycle Assessment, 2000, 5, 5-11.	2.2	15

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37	Life Cycle Assessment of the Closed-Loop Recycling of Used Disposable Diapers. Resources, 2020, 9, 34.	1.6	15
38	Life Cycle Assessment of Residential Air Conditioners Considering the Benefits of Their Use: A Case Study in Indonesia. Energies, 2021, 14, 447.	1.6	13
39	Assessment of global warming impact on biodiversity using the extinction risk index in LCIA: a case study of Japanese plant species. International Journal of Life Cycle Assessment, 2018, 23, 314-323.	2.2	12
40	Assessment of Environmental Impact of Manufacturing Steel Considering Physical Damage to Human Health. Materials Transactions, 2003, 44, 167-172.	0.4	11
41	Life Cycle Impact Assessment of Lead-free Solder Considering the Trade-off Relationship between Toxic Impact and Other Impact Categories. Materials Transactions, 2004, 45, 3194-3200.	0.4	11
42	Screening Life Cycle Assessment of Silver-Based Conductive Adhesive vs. Lead-Based Solder and Plating Materials. Materials Transactions, 2007, 48, 2212-2218.	0.4	11
43	Material Based Low-Carbon and Economic Supplier Selection with Estimation of CO <sub>2</sub> Emissions and Cost Using Life Cycle Inventory Database. Innovation and Supply Chain Management, 2014, 8, 159-170.	0.1	11
44	Carbon Footprint Evaluation of the Business Event Sector in Japan. Sustainability, 2020, 12, 5001.	1.6	11
45	Development of human health damage factors for tropospheric ozone considering transboundary transport on a global scale. International Journal of Life Cycle Assessment, 2018, 23, 2339-2348.	2.2	10
46	Carbon and water footprints of pig feed in France: Environmental contributions of pig feed with industrial amino acid supplements. Water Resources and Industry, 2019, 21, 100108.	1.9	10
47	Modeling and Balancing for Costs and CO <sub>2</sub> Emissions in Global Supply Chain Network among Asian Countries. Procedia CIRP, 2015, 26, 664-669.	1.0	9
48	Influence of the Covid-19 Crisis on Global PM <sub>2.5</sub> Concentration and Related Health Impacts. Sustainability, 2020, 12, 5297.	1.6	9
49	Application of Life Cycle Assessment to Manufacturing of Nonferrous Metals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1999, 63, 208-214.	0.2	9
50	LCA in Japan in the twenty-first century. International Journal of Life Cycle Assessment, 2013, 18, 278-284.	2.2	8
51	Multi Criteria Simulation Model for Lead Times, Costs and CO <sub>2</sub> Emissions in a Low-carbon Supply Chain Network. Procedia CIRP, 2015, 26, 329-334.	1.0	8
52	Potential Impacts of Food Production on Freshwater Availability Considering Water Sources. Water (Switzerland), 2016, 8, 163.	1.2	8
53	Measuring marginal willingness to pay using conjoint analysis and developing benefit transfer functions in various Asian cities. International Journal of Sustainable Development and World Ecology, 2016, 23, 541-552.	3.2	8
54	Eco-Efficiency Assessment of Japanese Municipalities Based on Environmental Impacts and Gross Regional Product. Sustainability, 2019, 11, 4045.	1.6	8

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55	The Progress of the Impact Assessment Study Committee in the National LCA Project of Japan. International Journal of Life Cycle Assessment, 1999, 4, 194-194.	2.2	7
56	Low-carbon and Economic Supplier Selection Using Life Cycle Inventory Database by Asian International Input-Output Tables. Procedia CIRP, 2015, 26, 317-322.	1.0	7
57	Estimating land transformation area caused by nickel mining considering regional variation. International Journal of Life Cycle Assessment, 2016, 21, 51-59.	2.2	7
58	Projection of National Carbon Footprint in Japan with Integration of LCA and IAMs. Sustainability, 2019, 11, 6875.	1.6	6
59	The progress of inventory study committee WG2 in the national LCA project in Japan. International Journal of Life Cycle Assessment, 1999, 4, 246-246.	2.2	5
60	Life cycle assessment (LCA) of the innovative eco-designed container for shampoo. Cleaner and Responsible Consumption, 2021, 3, 100027.	1.6	5
61	Impact Assessment for Metals-A Comparative Study of Total Environmental Impacts Between Primary Metals and Secondary Metals.. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 1998, 77, 1080-1088.	0.2	5
62	Development of Social Intensity Database Using Asian International Input-Output Table for Social Life Cycle Assessment. Sustainability, 2016, 8, 1135.	1.6	4
63	Analysis of Material Based GHG Emissions and Costs for Assembly Products Using Asian Lifecycle Inventory Databases: Cell Phone Case Study. Procedia CIRP, 2017, 61, 773-778.	1.0	4
64	Eco-efficiency assessment of 42 countries' administrative divisions based on environmental impact and gross regional product. City and Environment Interactions, 2021, 10, 100061.	1.8	4
65	Sustainability in dialysis therapy: Japanese local and global challenge. Renal Replacement Therapy, 2021, 7, .	0.3	4
66	Development of Life Cycle Impact Assessment Weighting Methodology for Japan. Weighting Methodology Based on the Distance-to-Target Method.. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 1998, 77, 1139-1147.	0.2	4
67	ANNUAL NATIONWIDE ENVIRONMENTAL IMPACT ASSESSMENT OF JAPANESE MUNICIPALITIES WITHIN THE FRAMEWORK OF ENDPOINT-TYPE LCIA METHOD "LIME2". Journal of Environmental Engineering (Japan), 2019, 84, 955-965.	0.1	4
68	Current activities of the national LCA project in Japan. International Journal of Life Cycle Assessment, 2000, 5, 261.	2.2	3
69	Environmental Impact of Care for End-stage Kidney Disease on the Earth and Humans. JMA Journal, 2022, 5, 109-113.	0.6	3
70	Explaining the diverse values assigned to environmental benefits across countries. Nature Sustainability, 2022, 5, 753-761.	11.5	3
71	Development of life-cycle impact assessment method for land use. Construction of the framework of the method and calculation of the damage factors by NPP.. Environmental Systems Research, 2002, 30, 109-118.	0.1	2
72	An Environmental Perspective of Lead-free Solder Based on Damage Assessment of LCIA. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 43-45.	0.2	2

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73	The Sixth International Conference on Ecobalances - Development and Systematizing of EcoBalance Tools Based on Life-Cycle-Thinking - 25-27 October 2004, Tsukuba, Japan. International Journal of Life Cycle Assessment, 2005, 10, 159-162.	2.2	2
74	Environmental Analysis for International Marathon Event based on the Life Cycle Perspectives. Journal of Life Cycle Assessment Japan, 2009, 5, 510-520.	0.0	2
75	A Country-Specific Water Consumption Inventory Considering International Trade in Asian Countries Using a Multi-Regional Input-Output Table. Sustainability, 2017, 9, 1351.	1.6	2
76	Environmental Assessment of Innovative Paper Recycling Technology Using Product Lifecycle Perspectives. Resources, 2020, 9, 23.	1.6	2
77	Environmental Impact Assessment of Flexible Package Printing with the "LUNAJET" Aqueous Inkjet Ink Using Nanodispersion Technology. Sustainability, 2021, 13, 9851.	1.6	2
78	Assessment of environmental sustainability in renal healthcare. Journal of Rural Medicine: JRM, 2021, 16, 132-138.	0.2	2
79	Life Cycle Impact Assessment and Approaches for Reducing the Environmental Impact of Each Type of Container. Journal of Life Cycle Assessment Japan, 2011, 7, 264-273.	0.0	2
80	A NEW PROPOSAL FOR ENVIRONMENTAL ACCOUNTING OF JAPANESE MUNICIPALITY WITH THE FRAMEWORK OF ENDPOINT-TYPE LCIA METHOD "LIME2". Journal of Environmental Engineering (Japan), 2020, 85, 225-235.	0.1	2
81	Environmental and Health-Related Lifecycle Impact Assessment of Reduced-Salt Meals in Japan. Sustainability, 2022, 14, 8265.	1.6	2
82	JLCA Corner (Life Cycle Assessment Society of Japan). International Journal of Life Cycle Assessment, 2000, 5, 4-4.	2.2	1
83	Launch of the Damage Function Sub-Committee in the National LCA Project of Japan. International Journal of Life Cycle Assessment, 2000, 5, 84-84.	2.2	1
84	DEVELOPMENT OF LIFE CYCLE IMPACT ASSESSMENT METHODS FOR THE HEALTH DAMEGE BY INDOOR AIR POLLUTION. Journal of Environmental Engineering (Japan), 2008, 73, 695-700.	0.1	1
85	Life Cycle Assessment and Life Cycle Costing of Seawater Desalination Plants Using Reverse Osmosis: Comparison Analysis of Evaluation Results Between Activities Plan Stage and Actual Observations Stage. Journal of Life Cycle Assessment Japan, 2018, 14, 46-54.	0.0	1
86	Lifecycle Assessment of Monosodium Glutamate Made from Non-Edible Biomass. Sustainability, 2021, 13, 3951.	1.6	1
87	Characterization Factors for Water Availability Footprint Considering the Difference of Water Sources Based on a Global Water Resource Model. Journal of Life Cycle Assessment Japan, 2014, 10, 327-339.	0.0	1
88	Life Cycle CO <sub>2</sub> Analysis for Large-scale Exhibition. Journal of Life Cycle Assessment Japan, 2012, 8, 200-212.	0.0	1
89	Life Cycle Impact Assessment for Manufacturing Metals Based on Damage Estimations. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2002, 66, 499-505.	0.2	1
90	Environmental Impact Assessment from the View-point of Product Life Cycle. Journal of the Japan Society for Precision Engineering, 2009, 75, 1062-1067.	0.0	1

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91	ANNUAL ENVIRONMENTAL IMPACT ASSESSMENT OF ADMINISTRATIVE DIVISIONS IN 42 COUNTRIES WITHIN THE FRAMEWORK OF GLOBAL-SCALE LCIA METHOD "LIME3". Journal of Environmental Engineering (Japan), 2020, 85, 67-77.	0.1	1
92	ANNUAL NATIONWIDE ENVIRONMENTAL IMPACT ASSESSMENT OF JAPANESE MUNICIPALITIES WITHIN THE FRAMEWORK OF ENDPOINT-TYPE LCIA METHOD "LIME2"(PART 2): VISUALIZATION OF TEMPORAL CHANGES. Journal of Environmental Engineering (Japan), 2020, 85, 523-533.	0.1	1
93	THE RISKS TO HUMAN HEALTH AND ENVIRONMENTAL IMPACTS FROM COMMUNITY E-WASTE SEPARATION. Geographia Technica, 0, , 159-168.	0.2	1
94	Renal health benefits of sustainable diets in Japan: a review. Renal Replacement Therapy, 2022, 8, .	0.3	1
95	A Trial for Eco-Materials; Possibility of Manufacturing of Fe-Fe Composite.. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1994, 41, 1361-1366.	0.1	0
96	Applications of LCA in "Eco-Products 1999"™. International Journal of Life Cycle Assessment, 2000, 5, 204-204.	2.2	0
97	Social impact assessment of multipurpose ICT service by using GSF. , 2009, , .		0
98	Regional Analysis of Virtual Water Flow in View of Crop Consumption. Irrigation and Drainage, 2016, 65, 86-93.	0.8	0
99	Comparison between Different Products by Disassembly System Design with Parts Selection for Cost, Recycling and CO2 Saving Rates Using Multi-objective Optimization. , 2018, , .		0
100	Annual Nationwide Environmental Impact Assessment of Japanese Municipalities by Type of Business within the Endpoint-type LCIA Method "LIME2". IOP Conference Series: Earth and Environmental Science, 2020, 410, 012067.	0.2	0
101	Disassembly system design and analysis with environmental and economic parts selection using life cycle inventory database by input-output tables. International Journal of Sustainable Manufacturing, 2021, 5, 23.	0.3	0
102	Disassembly system design and analysis with environmental and economic parts selection using life cycle inventory database by input-output tables. International Journal of Sustainable Manufacturing, 2021, 5, 23.	0.3	0
103	Quantitative Environmental Impact Assessment for Agricultural Products Caused by Exposure of Artificial Light at Night. , 2022, , 27-38.		0
104	Life cycle costing for IC package. Journal of Life Cycle Assessment Japan, 2006, 2, 85-90.	0.0	0
105	Damage Assessment Model for Freshwater Consumption and a Case Study on PET Bottle Production Applied New Technology for Water Footprint Reduction. , 2011, , 399-410.		0
106	Introduction: Special Issue on "Case Study". Journal of Life Cycle Assessment Japan, 2013, 9, 261-262.	0.0	0
107	Characteristics of International Standard and Trends of Development and Application of Water Footprint. Journal of Life Cycle Assessment Japan, 2015, 11, 230-237.	0.0	0
108	ECO-EFFICIENCY ASSESSMENT BY INDUSTRY FOR JAPANESE MUNICIPALITIES NATIONWIDE BASED ON GROSS REGIONAL PRODUCT AND ENVIRONMENTAL DAMAGE. Journal of Environmental Engineering (Japan), 2020, 85, 745-755.	0.1	0