

Tomohiko Ihara

List of Publications by Year in descending order

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42
papers

692
citations

706676

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651938

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all docs

42
docs citations

42
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantification of classic but unquantified positive feedback effects in the urban-building-energy-climate system. <i>Applied Energy</i> , 2022, 307, 118227.	5.1	7
2	Life Cycle Assessment of Residential Air Conditioners Considering the Benefits of Their Use: A Case Study in Indonesia. <i>Energies</i> , 2021, 14, 447.	1.6	13
3	Observational evaluation of outdoor cooling potential of air-source heat pump water heaters. <i>Theoretical and Applied Climatology</i> , 2021, 145, 1007-1025.	1.3	3
4	Mortality Sensitivity of Cardiovascular, Cerebrovascular, and Respiratory Diseases to Warm Season Climate in Japanese Cities. <i>Atmosphere</i> , 2021, 12, 1546.	1.0	5
5	Countermeasures to Urban Heat Island Considering Urban Energy Usage. , 2020, , 15-57.		0
6	Future increase in elderly heat-related mortality of a rapidly growing Asian megacity. <i>Scientific Reports</i> , 2020, 10, 9304.	1.6	27
7	Estimation of Direct and Indirect Household CO2 Emissions in 49 Japanese Cities with Consideration of Regional Conditions. <i>Sustainability</i> , 2020, 12, 4678.	1.6	12
8	Carbon emission quantification and decarbonization policy exploration for the household sector - Evidence from 51 Japanese cities. <i>Energy Policy</i> , 2020, 140, 111438.	4.2	46
9	EcoBalance 2018“Nexus of ideas: innovation by linking through life cycle thinking (9“12 October 2018,) Tj ETQg1 1 0.784314 rg	2.2	1
10	Simulation-Based Evaluation of the Effect of Green Roofs in Office Building Districts on Mitigating the Urban Heat Island Effect and Reducing CO2 Emissions. <i>Sustainability</i> , 2019, 11, 2055.	1.6	22
11	Reduction Effect of DALY of Sleep Disturbance and Fatigue by Air Conditioner -Evaluation in Jakarta, Indonesia-. <i>Journal of Life Cycle Assessment Japan</i> , 2019, 15, 2-9.	0.0	1
12	Sensitivity of electricity consumption to air temperature, air humidity and solar radiation at the city-block scale in Osaka, Japan. <i>Sustainable Cities and Society</i> , 2019, 45, 38-47.	5.1	13
13	COMPREHENSIVE EVALUATION OF THE INFLUENCE OF OUTDOOR TEMPERATURE CHANGE ON HUMAN HEALTH AROUND THE URBAN AREA. <i>Journal of Environmental Engineering (Japan)</i> , 2019, 84, 205-214.	0.1	3
14	Role of e-reader adoption in life cycle greenhouse gas emissions of book reading activities. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 1874-1887.	2.2	13
15	A graph theory-based methodology for vulnerability assessment of supply chains using the life cycle inventory database. <i>Omega</i> , 2018, 75, 165-181.	3.6	33
16	Revealing hidden CO2 impacts from consequential consumption by matrix analysis: Application to Japanese single households. <i>Journal of Cleaner Production</i> , 2018, 172, 582-590.	4.6	7
17	A climatological validation of urban air temperature and electricity demand simulated by a regional climate model coupled with an urban canopy model and a building energy model in an Asian megacity. <i>International Journal of Climatology</i> , 2017, 37, 1035-1052.	1.5	36
18	The right place to grow rice for the Japanese market: comparative analysis of greenhouse gas emissions of rice cultivation in Japan and the United States. <i>International Journal of Agricultural Sustainability</i> , 2017, 15, 406-417.	1.3	1

#	ARTICLE	IF	CITATIONS
19	VALIDATION OF A NUMERICAL URBAN WEATHER FORECASTING MODEL COUPLED WITH A BUILDING ENERGY MODEL IN TERMS OF THE REPRODUCIBILITY OF SOLAR IRRADIANCE AND ELECTRICITY DEMAND. Journal of Japan Society of Civil Engineers Ser C (Environmental Research), 2017, 73, 57-69.	0.1	3
20	STUDY ON THE IMPACT FOR FATIGUE DUE TO CHANGING URBAN OUTDOOR TEMPERATURE. AIJ Journal of Technology and Design, 2017, 23, 563-566.	0.1	2
21	Life cycle assessment of organic light emitting diode display as emerging materials and technology. Journal of Cleaner Production, 2016, 135, 1340-1350.	4.6	7
22	Impact of seasonal variations in weekday electricity use on urban air temperature observed in Osaka, Japan. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 971-982.	1.0	9
23	Estimating residential CO2 emissions based on daily activities and consideration of methods to reduce emissions. Building and Environment, 2016, 103, 1-8.	3.0	25
24	STUDY ON THE IMPACT FOR SLEEP DISTURBANCE DUE TO CHANGING URBAN OUTDOOR TEMPERATURE. AIJ Journal of Technology and Design, 2016, 22, 1045-1048.	0.1	4
25	ANALYSIS AND DISCUSSION OF SENSITIVITIES OF ELECTRICITY CONSUMPTION TO OUTDOOR AIR TEMPERATURE AND OUTDOOR AIR HUMIDITY IN BUSINESS AND RESIDENTIAL DISTRICTS IN CITY-BLOCK-SCALE. Journal of Environmental Engineering (Japan), 2016, 81, 827-834.	0.1	6
26	Numerical simulations of influence of heat island countermeasures on outdoor human heat stress in the 23 wards of Tokyo, Japan. Energy and Buildings, 2016, 114, 104-111.	3.1	28
27	Using a Rebound Matrix to Estimate Consumption Changes from Saving and its Environmental Impact in Japan. Journal of Industrial Ecology, 2015, 19, 564-574.	2.8	7
28	Fatigue and sleep under large summer temperature differences. Environmental Research, 2015, 138, 17-21.	3.7	27
29	Numerical Simulations of Outdoor Heat Stress Index and Heat Disorder Risk in the 23 Wards of Tokyo. Journal of Applied Meteorology and Climatology, 2014, 53, 583-597.	0.6	31
30	Observed and simulated sensitivities of summertime urban surface air temperatures to anthropogenic heat in downtown areas of two Japanese Major Cities, Tokyo and Osaka. Theoretical and Applied Climatology, 2014, 117, 175-193.	1.3	43
31	Association between sleep and residential environments in the summertime in Japan. Sleep Medicine, 2014, 15, 556-564.	0.8	14
32	Japanese sleep disturbance and fatigue disability weights in evaluating the effects of increasing temperatures on health by a life cycle approach. International Journal of Life Cycle Assessment, 2013, 18, 1089-1097.	2.2	6
33	FUTURE PROJECTION OF HEAT STROKE AND SLEEP DISTURBANCE FOR 2070'S AUGUST IN TOKYO, NAGOYA, AND OSAKA. Journal of Environmental Engineering (Japan), 2013, 78, 873-881.	0.1	2
34	ESTIMATION OF MILD HEALTH DISORDER CAUSED BY URBAN AIR TEMPERATURE INCREASE WITH MIDPOINT-TYPE IMPACT ASSESSMENT METHODOLOGY. Journal of Environmental Engineering (Japan), 2011, 76, 459-467.	0.1	9
35	Life cycle assessment of integrated municipal solid waste management systems, taking account of climate change and landfill shortage trade-off problems. Waste Management and Research, 2011, 29, 423-432.	2.2	30
36	An Application of LCA Methodology for Assessment and Decision-Making in Design of Municipal Solid Waste Management System. Journal of Life Cycle Assessment Japan, 2009, 5, 54-67.	0.0	3

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37	Evaluating the Self Disposal of Household Waste in Regional Towns and Cities: Present Situation and Analysis of Environmental and Economic Effects. <i>Journal of the Japan Society of Material Cycles and Waste Management</i> , 2009, 20, 99-110.	0.1	5
38	City-block-scale sensitivity of electricity consumption to air temperature and air humidity in business districts of Tokyo, Japan. <i>Energy</i> , 2008, 33, 1634-1645.	4.5	64
39	Changes in year-round air temperature and annual energy consumption in office building areas by urban heat-island countermeasures and energy-saving measures. <i>Applied Energy</i> , 2008, 85, 12-25.	5.1	102
40	ENVIRONMENTAL IMPACT ASSESSMENT OF URBAN HEAT ISLAND PHENOMENA BASED ON ENDPOINT-TYPE LIFE CYCLE IMPACT ASSESSMENT METHODOLOGY. <i>Journal of Environmental Engineering (Japan)</i> , 2008, 73, 1407-1415.	0.1	5
41	Numerical Study on the Effect of Buildings on Temperature Variation in Urban and Suburban Areas in Tokyo. <i>Journal of the Meteorological Society of Japan</i> , 2006, 84, 921-937.	0.7	17
42	Proposal of a Method to Calculate Room Temperature in Multi-Room Buildings by an Improved Matrix Computing and its Application to Evaluate CO2 Reduction Utilizing High Light-Reflective and High Heat-Emissive Paint. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2003, 123, 1493-1502.	0.1	0