

Toshiharu Ikaga

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4048254/publications.pdf>

Version: 2024-02-01

106
papers

845
citations

623574

14
h-index

580701

25
g-index

107
all docs

107
docs citations

107
times ranked

623
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative improvement in workplace performance through biophilic design: A pilot experiment case study. <i>Energy and Buildings</i> , 2018, 177, 316-328.	3.1	72
2	Cross-Sectional Analysis of the Relationship Between Home Blood Pressure and Indoor Temperature in Winter. <i>Hypertension</i> , 2019, 74, 756-766.	1.3	63
3	Development of a comprehensive city assessment tool: CASBEE-City. <i>Building Research and Information</i> , 2011, 39, 195-210.	2.0	53
4	Overview of energy consumption and GHG mitigation technologies in the building sector of Japan. <i>Energy Efficiency</i> , 2009, 2, 179-194.	1.3	44
5	Sustainability assessment of cities: SDGs and GHG emissions. <i>Building Research and Information</i> , 2018, 46, 528-539.	2.0	44
6	A study on a porous residential building model in hot and humid regions: Part 1—the natural ventilation performance and the cooling load reduction effect of the building model. <i>Building and Environment</i> , 2006, 41, 21-32.	3.0	37
7	Development of an environmentally friendly PV/T solar panel. <i>Solar Energy</i> , 2020, 199, 510-520.	2.9	30
8	EVALUATION OF INVESTMENT IN RESIDENTIAL THERMAL INSULATION CONSIDERING NON-ENERGY BENEFITS DELIVERED BY HEALTH. <i>Journal of Environmental Engineering (Japan)</i> , 2011, 76, 735-740.	0.1	28
9	Disparities of indoor temperature in winter: A cross-sectional analysis of the Nationwide Smart Wellness Housing Survey in Japan. <i>Indoor Air</i> , 2020, 30, 1317-1328.	2.0	25
10	Sudden Death Phenomenon While Bathing in Japan—Mortality Data—. <i>Circulation Journal</i> , 2017, 81, 1144-1149.	0.7	24
11	Impact of indoor temperature instability on diurnal and day-by-day variability of home blood pressure in winter: a nationwide Smart Wellness Housing survey in Japan. <i>Hypertension Research</i> , 2021, 44, 1406-1416.	1.5	21
12	Lower Physical Performance in Colder Seasons and Colder Houses: Evidence from a Field Study on Older People Living in the Community. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 651.	1.2	17
13	Human response to the indoor environment under fluctuating temperature. <i>Science and Technology for the Built Environment</i> , 2016, 22, 820-830.	0.8	16
14	THE TOTAL EFFECT ON PERFORMANCE AND ENERGY CONSUMPTION CAUSED BY OFFICE'S THERMAL ENVIRONMENT. <i>Journal of Environmental Engineering (Japan)</i> , 2010, 75, 213-219.	0.1	15
15	A study on a porous residential building model in hot and humid regions part 2—reducing the cooling load by component-scale voids and the emission reduction effect of the building model. <i>Building and Environment</i> , 2006, 41, 33-44.	3.0	14
16	VALIDATION OF THE EFFECTIVENESS OF RESIDENTIAL ENVIRONMENT ASSESSMENT TOOL FOR HEALTH PROMOTION. <i>Journal of Environmental Engineering (Japan)</i> , 2011, 76, 1101-1108.	0.1	14
17	Relationship between Perceived Indoor Temperature and Self-Reported Risk for Frailty among Community-Dwelling Older People. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 613.	1.2	14
18	INFLUENCE OF RESIDENTIAL PERFORMANCE ON RESIDENTS' HEALTH PROMOTION. <i>Journal of Environmental Engineering (Japan)</i> , 2014, 79, 555-561.	0.1	13

#	ARTICLE	IF	CITATIONS
19	Effect of housing condition on quality of life. <i>Indoor Air</i> , 2021, 31, 1029-1037.	2.0	12
20	DEVELOPMENT OF WORK ENVIRONMENT SUBJECTIVE ASSESSMENT TOOL FOR IMPROVEMENT OF WORKERS'S™ WORK EFFICIENCY AND HEALTH PROMOTION. <i>AJ Journal of Technology and Design</i> , 2020, 26, 191-196.	0.1	12
21	Forecast of CO2Emissions from Construction and Operation of Buildings in Japan Up to 2050. <i>Journal of Asian Architecture and Building Engineering</i> , 2002, 1, 149-156.	1.2	11
22	Incidence and Characteristics of Bath-related Accidents. <i>Internal Medicine</i> , 2019, 58, 53-62.	0.3	11
23	Intervention study of the effect of insulation retrofitting on home blood pressure in winter: a nationwide Smart Wellness Housing survey. <i>Journal of Hypertension</i> , 2020, 38, 2510-2518.	0.3	11
24	ESTIMATION OF CO_2 EMISSION ASSOCIATED WITH BUILDING CONSTRUCTION AND OPERATION TILL 2050 IN JAPAN : Study on social life cycle assessment of buildings and cities. <i>Nihon Kenchiku Gakkai Keikaku</i> Ronbunshu, 2000, 65, 53-58.	0.1	11
25	Are cold extremities an issue in women's health? Epidemiological evaluation of cold extremities among Japanese women. <i>International Journal of Women's Health</i> , 2019, Volume 11, 31-39.	1.1	10
26	Relationship between Bath-related Deaths and Low Air Temperature. <i>Internal Medicine</i> , 2017, 56, 3173-3177.	0.3	9
27	Influence of residential performance on residents' health status: Nationwide survey of environmental performance of detached houses and residents' health status. <i>Japan Architectural Review</i> , 2018, 1, 271-279.	0.4	8
28	Eco-Efficiency Assessment of Japanese Municipalities Based on Environmental Impacts and Gross Regional Product. <i>Sustainability</i> , 2019, 11, 4045.	1.6	8
29	Comprehensive Fungal Community Analysis of House Dust Using Next-Generation Sequencing. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5842.	1.2	8
30	Protein intake in inhabitants with regular exercise is associated with sleep quality: Results of the Shika study. <i>PLoS ONE</i> , 2021, 16, e0247926.	1.1	8
31	A FIELD SURVEY OF CLASSROOM ENVIRONMENTAL QUALITY IN TERMS OF STUDENTS' PHYSICAL CONDITIONS AND CONCENTRATION. <i>Journal of Environmental Engineering (Japan)</i> , 2012, 77, 533-539.	0.1	7
32	ECONOMIC EVALUATION ON THE EFFECT OF THERMAL ENVIRONMENTAL CONTROL IN SUMMER ON SLEEP AND WORK EFFICIENCY. <i>Journal of Environmental Engineering (Japan)</i> , 2016, 81, 523-533.	0.1	7
33	Housing quality and behavior affect brain health and anxiety in healthy Japanese adults. <i>Scientific Reports</i> , 2021, 11, 11999.	1.6	7
34	Nationwide Assessment of City Performance Based on Environmental Efficiency. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2011, 2, 293-301.	1.0	6
35	Electrocardiogram abnormalities in residents in cold homes: a cross-sectional analysis of the nationwide Smart Wellness Housing survey in Japan. <i>Environmental Health and Preventive Medicine</i> , 2021, 26, 104.	1.4	6
36	DEVELOPMENT OF REGIONAL ENVIRONMENT ASSESSMENT TOOL FOR HEALTH PROMOTION AND VALIDATION OF THE EFFECTIVENESS. <i>Journal of Environmental Engineering (Japan)</i> , 2012, 77, 837-846.	0.1	5

#	ARTICLE	IF	CITATIONS
37	Assessment of low-carbon policy implications in China's urban residential sector. International Journal of Sustainable Building Technology and Urban Development, 2013, 4, 229-242.	1.0	5
38	STUDY ON BUSINESS SCHEME OF A COMMUNITY-LEVEL DECENTRALIZED AND SELF-RELIANT ENERGY NETWORK. Journal of Environmental Engineering (Japan), 2015, 80, 169-176.	0.1	5
39	A STUDY ON ECONOMIC IMPACT OF ENVIRONMENTAL EFFICIENCY AND INTELLECTUAL PRODUCTIVITY CONTRIBUTION ON RENTS. AIJ Journal of Technology and Design, 2016, 22, 1053-1056.	0.1	5
40	Association between Indoor Temperature in Winter and Serum Cholesterol: A Cross-Sectional Analysis of the Smart Wellness Housing Survey in Japan. Journal of Atherosclerosis and Thrombosis, 2022, , .	0.9	5
41	DEVELOPING A LCA DATABASE OF IMPORTED WOOD MATERIALS. AIJ Journal of Technology and Design, 2010, 16, 609-614.	0.1	4
42	STUDY ON SCENARIOS TOWARDS LOW CARBON SOCIETY IN RESIDENTIAL SECTOR. Journal of Environmental Engineering (Japan), 2011, 76, 839-846.	0.1	4
43	HIERARCHICAL STRUCTURE ANALYSIS OF ADULT RESIDENTS' HEALTH BY DEVELOPING MULTIPLE INDICATORS MODEL. Journal of Environmental Engineering (Japan), 2012, 77, 389-397.	0.1	4
44	DEVELOPING A LCA DATABASE OF WOOD MATERIALS. AIJ Journal of Technology and Design, 2012, 18, 269-274.	0.1	4
45	The 10th International Conference on EcoBalance (EcoBalance 2012)â€”Challenges and Solutions for Sustainable Society, November 20â€”23, 2012, Tokyo, Japan. International Journal of Life Cycle Assessment, 2013, 18, 1425-1433.	2.2	4
46	DEVELOPMENT OF A SUGGESTION TOOL FOR ENERGY-SAVING ACTIONS BASED ON THE ANALYSIS OF RESIDENTS' BEHAVIORS AND ENERGY CONSUMPTION. AIJ Journal of Technology and Design, 2013, 19, 655-660.	0.1	4
47	MULTIVARIATE ANALYSIS OF THE RISE IN HOME BLOOD PRESSURE BY PERSONAL FACTORS. Journal of Environmental Engineering (Japan), 2014, 79, 571-577.	0.1	4
48	THE IMPACT OF INDOOR TEMPERATURE ON HOME BLOOD PRESSURE BASED ON A MULTILEVEL MODEL. Journal of Environmental Engineering (Japan), 2015, 80, 703-710.	0.1	4
49	COMPARISON OF HOME BLOOD PRESSURE BEFORE-AND-AFTER MOVING TO HIGH THERMAL INSULATION PERFORMANCE HOUSES. Journal of Environmental Engineering (Japan), 2016, 81, 357-366.	0.1	4
50	A Prospective Cohort Study of Bedroom Warming With a Heating System and Its Association With Common Infectious Diseases in Children During Winter in Japan. Journal of Epidemiology, 2021, 31, 165-171.	1.1	4
51	THE IMPACT OF INDOOR THERMAL ENVIRONMENT IN WINTER ON DETERIORATION OF CARE LEVEL IN NURSING HOME RESIDENTS. Journal of Environmental Engineering (Japan), 2018, 83, 225-233.	0.1	4
52	ANNUAL NATIONWIDE ENVIRONMENTAL IMPACT ASSESSMENT OF JAPANESE MUNICIPALITIES WITHIN THE FRAMEWORK OF ENDPOINT-TYPE LCIA METHOD â€œLIME2â€”. Journal of Environmental Engineering (Japan), 2019, 84, 955-965.	0.1	4
53	Quantitative Evaluation of the Contributions of Improved Housing Performances Toward Delivering Sustainable Development Goals by a Building Energy Simulation Tool. Sustainable Cities and Society, 2022, 79, 103701.	5.1	4
54	A collaborative platform for sustainable building design based on model integration over the internet. International Journal of Environmental Technology and Management, 2005, 5, 135.	0.1	3

#	ARTICLE	IF	CITATIONS
55	OUTLINE OF CASBEE FOR URBAN DEVELOPMENT (CASBEE-UD) CASBEE; Comprehensive assessment system for building environmental efficiency Part 5. AIJ Journal of Technology and Design, 2007, 13, 191-196.	0.1	3
56	SURVEY RESEARCH ON FOREIGN URBAN ASSESSMENT TOOL AIMED AT REALIZATION OF SUSTAINABLE CITIES. AIJ Journal of Technology and Design, 2010, 16, 601-604.	0.1	3
57	ANALYTIC STUDY ON WOODY MATERIAL FLOWS IN VIEW OF CARBON REDUCTION. Journal of Environmental Engineering (Japan), 2011, 76, 91-96.	0.1	3
58	QUESTIONNAIRE-BASED VALIDATION OF ENVIRONMENTAL PERFORMANCE ASSESSMENT TOOL FOR MUNICIPALITIES. Journal of Environmental Engineering (Japan), 2013, 78, 883-892.	0.1	3
59	EFFECT OF INDOOR THERMAL ENVIRONMENT AND INSULATION EFFICIENCY ON PHYSICAL ACTIVITY. Journal of Environmental Engineering (Japan), 2015, 80, 985-992.	0.1	3
60	Impact of Cold Indoor Temperatures on Overactive Bladder: A Nationwide Epidemiological Study in Japan. Urology, 2020, 145, 60-65.	0.5	3
61	Factor X (eco-efficiency) assessment on global warming for one household in Japan. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2010, 89, 1070-1087.	0.2	3
62	PROPOSAL OF AN EVALUATION METHOD FOR RESILIENCE IMPROVEMENTS CONSIDERING LIFELINE SUPPLY STOPPAGES. Journal of Environmental Engineering (Japan), 2017, 82, 471-479.	0.1	3
63	é«~æ-ç†±â½/2â®...ãšâ®â½/2â®½æ>¿â•ã«ã,ã,ã†-â½ã®ç†çœã®è³ãã,ã®â½/2±éŸ¿. Journal of Environmental Engineering (Japan), 2017;82, 513		
64	MULTIVARIATE ANALYSIS ON PHYSICAL ACTIVITY OF STUDENTS INFLUENCED BY NEIGHBORHOOD ENVIRONMENT. Journal of Environmental Engineering (Japan), 2017, 82, 317-325.	0.1	3
65	MULTIVARIATE ANALYSIS OF PERCEIVED INDOOR TEMPERATURE AND AGE AT NEED FOR LONG-TERM CARE INSURANCE. Journal of Environmental Engineering (Japan), 2019, 84, 795-803.	0.1	3
66	Perception of feeling cold in the bedroom and sleep quality.. Nagoya Journal of Medical Science, 2021, 83, 705-714.	0.6	3
67	The Sixth International Conference on Ecobalances - Development and Systematizing of EcoBalance Tools Based on Life-Cycle-Thinking - 25Å–27 October 2004, Tsukuba, Japan. International Journal of Life Cycle Assessment, 2005, 10, 159-162.	2.2	2
68	A COMPARATIVE ANALYSIS OF THE UNIT ENERGY CONSUMPTION IN THE COMMERCIAL SECTOR. Journal of Environmental Engineering (Japan), 2008, 73, 1331-1339.	0.1	2
69	STUDY ON NON-ENERGY BENEFITS (NEB) BY AREA-WIDE ENERGY UTILIZATION. Journal of Environmental Engineering (Japan), 2010, 75, 645-652.	0.1	2
70	HEALTH RELATED FACTORS MODEL OF THE MIDDLE-AGED AND ELDERLY PEOPLE BASED ON STRUCTURAL EQUATION MODELING. Journal of Environmental Engineering (Japan), 2011, 76, 573-580.	0.1	2
71	DEVELOPMENT OF THE DATABASE FOR STOCK AND FLOW FLOOR AREA OF NON-RESIDENTIAL BUILDINGS CLASSIFIED BY BUILDING USE TYPE AND AREA. AIJ Journal of Technology and Design, 2012, 18, 275-280.	0.1	2
72	ENVIRONMENTAL PERFORMANCE ASSESSMENT OF MUNICIPALITIES WITH THE ^ ^ldquo;CASBEE-CITY^ ^rdquo; TOOL. Journal of Environmental Engineering (Japan), 2013, 78, 63-72.	0.1	2

#	ARTICLE	IF	CITATIONS
73	COST-BENEFITS ANALYSIS OF NON-ENERGY BENEFITS (NEB) FOR EACH STAKEHOLDERS AND CONSIDERATION FOR REDISTRIBUTION OF NEB. Journal of Environmental Engineering (Japan), 2013, 78, 175-181.	0.1	2
74	EVENT HISTORY ANALYSIS OF INDOOR THERMAL ENVIRONMENT AND CARE PREVENTION OF RESIDENTS. Journal of Environmental Engineering (Japan), 2016, 81, 901-908.	0.1	2
75	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
76	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
77	ESTIMATION OF CO2 REDUCTION POTENTIAL IN SMALL CITIES AND TOWNS CONSIDERING THE CHANGE OF SOCIAL SITUATION. AIJ Journal of Technology and Design, 2010, 16, 595-600.	0.1	1
78	A Forecast of Effective Global Warming Countermeasures for the Residential Sector in China for the year 2050. Journal of Asian Architecture and Building Engineering, 2011, 10, 221-225.	1.2	1
79	SURVEY RESEARCH ON THE REGULATIONS FOR ENERGY EFFICIENCY OF RESIDENTIAL AND NON-RESIDENTIAL BUILDINGS IN THE FOREIGN COUNTRIES. AIJ Journal of Technology and Design, 2013, 19, 225-230.	0.1	1
80	LONG-TERM ESTIMATE OF CO2 BALANCE CONSIDERING FOREST-GROWTH CYCLE IN PROMOTING THE USE OF CONSTRUCTION TIMBER. AIJ Journal of Technology and Design, 2013, 19, 649-654.	0.1	1
81	IMPACTS OF BEDROOM TEMPERATURE ON BLOOD PRESSURE VARIABILITY IN THE EARLY MORNING, BASED ON AMBULATORY BLOOD PRESSURE MONITORING. Journal of Environmental Engineering (Japan), 2015, 80, 867-875.	0.1	1
82	EVALUATION OF RELATIONSHIP BETWEEN RESIDENCE RESILIENCY AND RESIDENTS' AWARENESS OF DISASTER PREVENTION. Journal of Environmental Engineering (Japan), 2018, 83, 615-623.	0.1	1
83	Prospective cohort study of bedroom heating and risk of common cold in children. Pediatrics International, 2022, 64, .	0.2	1
84	Designing a System to Apply an Assessment Method of Buildings for All Lifecycle Stages Based on the Concept of Eco-Efficiency. Journal of ASTM International, 2008, 5, 1-11.	0.2	1
85	LIFE CYCLE IMPACT ASSESSMENT ON THE HUMAN HEALTH DAMAGES AND INTARNAL/EXTERNAL EXPENSES CONCERNED WITH AIR CHANGE RATE : Study on health damage caused by indoor air pollution (Part 2). Journal of Environmental Engineering (Japan), 2005, 70, 129-134.	0.1	1
86	DEVELOPMENT OF LIFE CYCLE IMPACT ASSESSMENT METHODS FOR THE INDOOR AIR POLLUTION : Study on health damage caused by indoor air pollution (Part 1). Journal of Environmental Engineering (Japan), 2005, 70, 83-88.	0.1	1
87	Assessment of City Resilience Using Urban Indicators in Japanese Cities. , 2020, , 47-60.		1
88	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
89	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
90	Frontotemporal EEG as potential biomarker for early MCI: a case-control study. BMC Psychiatry, 2022, 22, 289.	1.1	1

#	ARTICLE	IF	CITATIONS
91	STUDY ON NON-ENERGY BENEFITS (NEB) BY AREA-WIDE ENERGY UTILIZATION (PART 2). Journal of Environmental Engineering (Japan), 2010, 75, 915-921.	0.1	0
92	A 2050 CO2 EMISSIONS FORECAST MODEL OF URBAN RESIDENTIAL BUILDINGS IN SHANGHAI. AIJ Journal of Technology and Design, 2010, 16, 1061-1064.	0.1	0
93	DEVELOPMENT OF COMPREHENSIVE ASSESSMENT TOOL FOR THE BUILT ENVIRONMENT OF CITIES: CASBEE-City. AIJ Journal of Technology and Design, 2011, 17, 239-244.	0.1	0
94	DEVELOPMENT OF A PREDICTION MODEL OF LOW-CARBON TECHNOLOGY ADOPTION RATE BASED ON THE DETACHED HOMEOWNERS'™ DECISION-MAKING STRUCTURE. AIJ Journal of Technology and Design, 2011, 17, 949-954.	0.1	0
95	Outline of the approach to low carbonisation by strengthening CASBEE for new construction (2010) Tj ETQq1 1 0.784314 rgBT /Over 15-20.	1.0	0
96	A STUDY OF EFFECTIVE GLOBAL WARMING COUNTERMEASURES AND MARGINAL ABATEMENT COST FOR THE CHINESE PREFECTURAL RESIDENTIAL SECTOR. Journal of Environmental Engineering (Japan), 2012, 77, 899-907.	0.1	0
97	THE FORECASTING MODEL OF CO2 EMISSIONS UP TO 2050 FOR RESIDENTIAL SECTOR OF TAIWAN. AIJ Journal of Technology and Design, 2012, 18, 633-638.	0.1	0
98	DEVELOPMENT OF AN ENVIRONMENTAL PERFORMANCE ASSESSMENT TOOL FOR MUNICIPALITIES INCORPORATING DATABASE AND GIS APPLICATION. AIJ Journal of Technology and Design, 2013, 19, 1023-1026.	0.1	0
99	MODELING OF DIFFUSION PROCESS OF WELL INSULATED HOUSE THROUGH PRESENTING ENERGY BENEFITS AND NON-ENERGY BENEFITS. AIJ Journal of Technology and Design, 2013, 19, 231-236.	0.1	0
100	VISUALIZATION OF DISASTER RECOVERY PROCESS BASED ON A TIME-SERIES ASSESSMENT OF URBAN ENVIRONMENT. AIJ Journal of Technology and Design, 2013, 19, 1011-1016.	0.1	0
101	Analysis of the Influence of Lung Function Decline on Brain Function using Brain Healthcare Quotient. , 2019, , .		0
102	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
103	PERCEIVED INDOOR TEMPERATURE AND CHANGE IN NURSING CARE LEVEL IN COMMUNITY-DWELLING ELDERLY. Journal of Environmental Engineering (Japan), 2020, 85, 197-204.	0.1	0
104	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
105	Designing a System to Apply an Assessment Method of Buildings for All Lifecycle Stages Based on the Concept of Eco-Efficiency. , 0, , 63-63-11.		0
106	HIGH RISK RESIDENTS OF COLD EXPOSURE AT WAKING AND BEDTIME. Journal of Environmental Engineering (Japan), 2022, 87, 472-481.	0.1	0