

# Ike, Naoki Ikegaya

## List of Publications by Year in descending order

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55  
papers

1,052  
citations

430874

18  
h-index

414414

32  
g-index

55  
all docs

55  
docs citations

55  
times ranked

575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of airflow over building arrays for assessment of urban wind environment. <i>Building and Environment</i> , 2013, 59, 56-65.	6.9	170
2	Referring to the social performance promotes cooperation in spatial prisoner's dilemma games. <i>Physical Review E</i> , 2012, 86, 031141.	2.1	101
3	Risk assessment for infectious disease and its impact on voluntary vaccination behavior in social networks. <i>Chaos, Solitons and Fractals</i> , 2014, 68, 1-9.	5.1	94
4	Aerodynamic Parameters of Urban Building Arrays with Random Geometries. <i>Boundary-Layer Meteorology</i> , 2011, 138, 99-120.	2.3	77
5	Large-eddy simulation of flow around an isolated building: A step-by-step analysis of influencing factors on turbulent statistics. <i>Building and Environment</i> , 2021, 202, 108021.	6.9	52
6	Effect of the numerical viscosity on reproduction of mean and turbulent flow fields in the case of a 1:1:2 single block model. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 191, 279-296.	3.9	43
7	Time-resolved particle image velocimetry for cross-ventilation flow of generic block sheltered by urban-like block arrays. <i>Building and Environment</i> , 2019, 147, 132-145.	6.9	43
8	Evaluation of rare velocity at a pedestrian level due to turbulence in a neutrally stable shear flow over simplified urban arrays. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 171, 137-147.	3.9	35
9	Spatially correlated heterogeneous aspirations to enhance network reciprocity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 680-685.	2.6	32
10	Effect of a large gaming neighborhood and a strategy adaptation neighborhood for bolstering network reciprocity in a prisoner's dilemma game. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P12024.	2.3	31
11	A prediction model for wind speed ratios at pedestrian level with simplified urban canopies. <i>Theoretical and Applied Climatology</i> , 2017, 127, 655-665.	2.8	31
12	Effect of turbulent flow on wall pressure coefficients of block arrays within urban boundary layer. <i>Building and Environment</i> , 2016, 100, 28-39.	6.9	29
13	Dangerous drivers foster social dilemma structures hidden behind a traffic flow with lane changes. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P11027.	2.3	27
14	Numerical simulation for cross-ventilation flow of generic block sheltered by urban-like block array. <i>Building and Environment</i> , 2020, 185, 107174.	6.9	22
15	Velocity and scalar concentrations with low occurrence frequencies within urban canopy regions in a neutrally stable shear flow over simplified urban arrays. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 182, 286-294.	3.9	21
16	Evaluation of exceeding wind speed at a pedestrian level around a 1:1:2 isolated block model. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 201, 104193.	3.9	21
17	Indoor airflow and thermal comfort in a cross-ventilated building within an urban-like block array using large-eddy simulations. <i>Building and Environment</i> , 2021, 196, 107811.	6.9	21
18	Computational Study on the Influence of Different Opening Position on Wind-induced Natural Ventilation in Urban Building of Cubical Array. <i>Procedia Engineering</i> , 2016, 169, 256-263.	1.2	18

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19	Does copy-resistance enhance cooperation in spatial prisoner's dilemma?. <i>Europhysics Letters</i> , 2012, 98, 40008.	2.0	17
20	Direct Reciprocity in Spatial Populations Enhances R-Reciprocity As Well As ST-Reciprocity. <i>PLoS ONE</i> , 2013, 8, e71961.	2.5	17
21	Outdoor measurements of relationship between canopy flow and wall pressure distributions of a block within urban-like block array. <i>Building and Environment</i> , 2020, 176, 106881.	6.9	16
22	Geometric Dependence of the Scalar Transfer Efficiency over Rough Surfaces. <i>Boundary-Layer Meteorology</i> , 2012, 143, 357-377.	2.3	15
23	Coupled Simulations of Indoor-Outdoor Flow Fields for Cross-Ventilation of a Building in a Simplified Urban Array. <i>Atmosphere</i> , 2018, 9, 217.	2.3	14
24	Total utility demand prediction for multi-dwelling sites by a bottom-up approach considering variations of inhabitants's™ behaviour schedules. <i>Journal of Building Performance Simulation</i> , 2013, 6, 53-64.	2.0	11
25	A new semi-empirical model for estimating the drag coefficient of the vertical random staggered arrays using LES. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 180, 191-200.	3.9	11
26	Outdoor measurement of wall pressure on cubical scale model affected by atmospheric turbulent flow. <i>Building and Environment</i> , 2019, 160, 106170.	6.9	9
27	Distributions of gust and peak factors at a pedestrian level in a simplified urban canopy obtained by particle image velocimetry. <i>Building and Environment</i> , 2022, 222, 109350.	6.9	9
28	Experimental study on the interaction between turbulent boundary layer and wake behind various types of two-dimensional cylinders. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 204, 104250.	3.9	8
29	Wind-Tunnel Study of Scalar Transfer Phenomena for Surfaces of Block Arrays and Smooth Walls with Dry Patches. <i>Boundary-Layer Meteorology</i> , 2015, 157, 219-236.	2.3	7
30	Influence of stochastic perturbation of both action updating and strategy updating in mixed-strategy2Å–2games on evolution of cooperation. <i>Physical Review E</i> , 2013, 88, 062149.	2.1	6
31	ESTIMATION OF WIND SPEED IN URBAN PEDESTRIAN SPACES ON THE BASIS OF LARGE-EDDY SIMULATION. <i>Journal of Environmental Engineering (Japan)</i> , 2015, 80, 259-267.	0.4	6
32	Wind-tunnel estimation of mean and turbulent wind speeds within canopy layer for urban campus. <i>Urban Climate</i> , 2022, 41, 101064.	5.7	6
33	Mean Wind Flow Field around Idealized Block Arrays with Various Aspect Ratios. <i>Applied Mechanics and Materials</i> , 2013, 393, 767-773.	0.2	5
34	Acquisition of the field measurement data relating to lane change actions. <i>International Journal of Modern Physics C</i> , 2015, 26, 1550072.	1.7	4
35	WIND TUNNEL EXPERIMENT ON TURBULENT FLOW FIELD AROUND 2D STREET CANYON WITH EAVES. <i>Journal of Environmental Engineering (Japan)</i> , 2016, 81, 467-476.	0.4	4
36	Numerical simulation of the effects of secondary roughness in the form of extension to arrays of terraced houses on pedestrian wind. <i>Science and Technology for the Built Environment</i> , 2020, 26, 928-940.	1.7	4

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37	A STUDY ON MULTI-AGENT SIMULATION MODEL FOR TRANSIENT DYNAMICS AND DISTRIBUTION OF THE POPULATION IN AN URBAN AREA. <i>AIJ Journal of Technology and Design</i> , 2007, 13, 845-848.	0.3	2
38	WIND TUNNEL EXPERIMENT ON BULK SCALAR COEFFICIENT OF URBAN-LIKE ROUGHNESS. <i>Journal of Environmental Engineering (Japan)</i> , 2008, 73, 1225-1231.	0.4	2
39	LARGE-EDDY SIMULATION ON SCALAR TRANSFER PHENOMENA BETWEEN URBAN SURFACE AND ATMOSPHERE. <i>Journal of Environmental Engineering (Japan)</i> , 2011, 76, 943-951.	0.4	2
40	Turbulence Effect of Urban-Canopy Flow on Indoor Velocity Fields under Sheltered and Cross-Ventilation Conditions. <i>Sustainability</i> , 2021, 13, 586.	3.2	2
41	Momentum-Flux Determination for Boundary Layers with Sufficient Fetch Based on Integral Equations. <i>Boundary-Layer Meteorology</i> , 2022, 182, 225-250.	2.3	2
42	Statistical Analysis of Wind Speeds at a Pedestrian Level of Urban-like Roughness. <i>Journal of Wind Engineering</i> , 2017, 42, 1-8.	0.2	2
43	EFFECTS ON BULK SCALAR COEFFICIENT OF WIND ANGLE, DEVELOPMENT OF SCALAR BOUNDARY LAYER, AND FLOW FIELD NEAR ROUGHNESS. <i>Journal of Environmental Engineering (Japan)</i> , 2011, 76, 67-73.	0.4	1
44	A CONSIDERATION ON THE EFFECTS OF DRAG FORCE ACTING ON ROUGHNESS ELEMENT. <i>Journal of Environmental Engineering (Japan)</i> , 2014, 79, 297-304.	0.4	1
45	EFFECT OF MOMENTUM PROVISION IN COMPUTATIONAL FLUID DYNAMICS ON TURBULENT STATISTICS IN URBAN BOUNDARY LAYER. <i>Journal of Environmental Engineering (Japan)</i> , 2022, 87, 145-156.	0.4	1
46	A STUDY ON THE SIMILARITY OF THE MOMENTUM AND SCALAR ROUGHNESS LENGTHS OVER URBAN-LIKE ROUGHNESS. <i>Journal of Environmental Engineering (Japan)</i> , 2012, 77, 917-923.	0.4	0
47	SIMILARITY BETWEEN VELOCITY AND SCALAR PROFILES OVER CUBICAL BLOCK ARRAY. <i>Journal of Environmental Engineering (Japan)</i> , 2015, 80, 451-459.	0.4	0
48	A STUDY ON ACCURACY OF PARTICLE IMAGE VELOCIMETRY IN A WIND TUNNEL SIMULATING AIRFLOW AROUND BUILDING SCALE MODEL. <i>AIJ Journal of Technology and Design</i> , 2017, 23, 567-572.	0.3	0
49	7th International Symposium on Computational Wind Engineering. <i>Wind Engineers JAWE</i> , 2018, 43, 406-414.	0.1	0
50	Miscellaneous Thoughts on Collaboration in CSIRO and NCAR. <i>Wind Engineers JAWE</i> , 2021, 46, 45-48.	0.1	0
51	Brief Reports on PIV Wide-Area Measurements and Instantaneous Velocity Evaluation for Wind Environmental Assessments. <i>Wind Engineers JAWE</i> , 2021, 46, 193-208.	0.1	0
52	Large Strategy Adaptation Neighborhood Bolsters Network Reciprocity in Prisoner's Dilemma Games. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015, , 597-609.	1.6	0
53	Effect of Turbulent Flows Generated by Simplified Roughness Blocks on Instantaneous Wall Pressure Based on Large-Eddy Simulation. <i>Journal of Wind Engineering</i> , 2017, 42, 22-35.	0.2	0
54	Effect of outdoor canopy flow on indoor airflow. <i>Indoor Environment</i> , 2020, 23, 279-291.	0.1	0

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55	COMPUTATIONAL FLUID DYNAMICS FOR CROSS-VENTILATED AIRFLOW IN AN URBAN BUILDING. Journal of Environmental Engineering (Japan), 2022, 87, 19-28.	0.4	0