Yasuo Hattori

List of Publications by Year in descending order

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45 papers	243 citations	1040056 9 h-index	996975 15 g-index
46 all docs	46 docs citations	46 times ranked	139 citing authors

#	Article	IF	Citations
1	Direct numerical simulation for a time-developing natural-convection boundary layer along a vertical flat plate. International Journal of Heat and Mass Transfer, 2009, 52, 4525-4534.	4.8	39
2	Effects of freestream on turbulent combined-convection boundary layer along a vertical heated plate. International Journal of Heat and Fluid Flow, 2001, 22, 315-322.	2.4	35
3	Numerical investigation of a spatially developing turbulent natural convection boundary layer along a vertical heated plate. International Journal of Heat and Fluid Flow, 2017, 63, 128-138.	2.4	30
4	Characteristics of turbulent combined-convection boundary layer along a vertical heated plate. International Journal of Heat and Fluid Flow, 2000, 21, 520-525.	2.4	20
5	Turbulence characteristics of natural-convection boundary layer in air along a vertical plate heated at high temperatures. International Journal of Heat and Fluid Flow, 2006, 27, 445-455.	2.4	18
6	Numerical pressure retrieval from velocity measurement of a turbulent tornado-like vortex. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 174, 61-68.	3.9	15
7	Wind-Tunnel Experiment on Logarithmic-Layer Turbulence under the Influence of Overlying Detached Eddies. Boundary-Layer Meteorology, 2010, 134, 269-283.	2.3	14
8	Direct numerical simulation for a time-developing combined-convection boundary layer along a vertical flat plate. International Journal of Heat and Mass Transfer, 2010, 53, 2113-2122.	4.8	10
9	Effects of Strong Wind and Ozone on Localized Tree Decline in the Tanzawa Mountains of Japan. Asian Journal of Atmospheric Environment, 2008, 2, 81-89.	1.1	10
10	Computational fluid dynamics simulation and statistical procedure for estimating wide-area distributions of airborne sea salt considering local ground conditions. Structure and Infrastructure Engineering, 2017, 13, 1359-1371.	3.7	8
11	Heat removal characteristics of vault storage system with cross flow for spent fuel. Nuclear Engineering and Design, 2000, 195, 57-68.	1.7	7
12	MC4 Wind Energy And Topography 2. Wind Engineers JAWE, 2006, 2006, 349-368.	0.1	7
13	Wall-resolved large eddy simulation of turbulent mixed-convection heat transfer along a heated vertical flat plate. International Journal of Heat and Mass Transfer, 2017, 109, 428-439.	4.8	5
14	Numerical Simulation of Atmospheric Turbulence for Assessment of Wind Turbine. Journal of Fluid Science and Technology, 2011, 6, 342-356.	0.6	3
15	High-Resolution Prediction for the Amount of Airborne Sea Salt by Multi-Scale Weather Simulation. Materials Transactions, 2021, 62, 1785-1790.	1.2	3
16	Sensitivity Analysis for Estimating Saltâ€‰Induced Damage to Voltageâ€“Current Transformers due to Typhoons. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2015, 193, 34-43.	0.4	2
17	An Evaluation Method for Tornado Missile Strike Probability with Stochastic Correlation. Nuclear Engineering and Technology, 2017, 49, 395-403.	2.3	2
18	Effect of the Granularity of Heterogeneous Forest Cover on the Drag Coefficient. Boundary-Layer Meteorology, 2019, 170, 235-255.	2.3	2

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19	Prediction of surf-zone and open-ocean airborne sea-salt spatial distribution via computational fluid dynamics and statistical method. Corrosion Engineering Science and Technology, 2021, 56, 392-400.	1.4	2
20	Current Status and Future Prospects of Hazard Assessment Techniques of Volcanic Ash Fall using Computational Fluid Dynamics. Wind Engineers JAWE, 2013, 38, 416-425.	0.1	2
21	High-Resolution Prediction of Seasalt Transportation by Multi-Scale Weather Simulation. Zairyo To Kankyo/ Corrosion Engineering, 2020, 69, 169-174.	0.2	2
22	Characteristics of Fluid Flow and Heat Transfer in Combined-Convection Boundary Layer along a Vertical Plate.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2001, 67, 480-486.	0.2	1
23	Numerical Simulation of Wind and Sea Salt Particle Transport using Reynolds-averaged Turbulence Model - Estimation of Spatial Distribution of Cumulative Airborne Sea Salt -. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2010, 66, 1161-1165.	0.4	1
24	Comprehension of Limited Ventilated Fire Behavior and Study on Fire Prediction Method in an Enclosed Space. Transactions of the Atomic Energy Society of Japan, 2013, 12, 32-42.	0.3	1
25	CORROSION PHENOMENA CAUSED BY SEA-SALT PARTICLES ON THE ORIGINAL AMARUBE TRESTLE BRIDGE AND APPLICABILITY OF THE SEA-SALT TRANSPORT MODEL IN A CORROSION HAZARD ASSESSMENT. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2017, 73, 98-113.	0.2	1
26	Investigation on spatially developing natural convection boundary layer along a vertical heated plate by a LES. , 2015, , .		1
27	Overview of A Large-Scale Vertical Water Tunnel Constructed in CREPI. Wind Engineers JAWE, 1998, 1998, 23-28.	0.1	1
28	Vector correlation between modeled gradient wind and observed high-altitude wind of a translating tropical cyclone. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 105011.	3.9	1
29	Heat Removal Characteristics of a Metal Cask Storage Facility for Spent Fuel.. Nippon Genshiryoku Gakkaishi/Journal of the Atomic Energy Society of Japan, 1998, 40, 966-977.	0.0	0
30	Wind Tunnel Experiments for Simulating Turbulent Motions in a Real Atmospheric Boundary Layer(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 823-829.	0.2	0
31	Turbulence Characteristics in a Natural Convection Boundary Layer Above a Heated Round Plate. , 2010, , .		0
32	Large-Eddy Simulation of a Buoyant Plume Past a Bluff Body. , 2010, , .		0
33	INVESTIGATION OF THERMAL BOUNDARY LAYER ALONG THE VERTICAL WALL OF A BUILDING. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, I_337-I_342.	0.1	0
34	Large Eddy Simulation of Stably Stratified Turbulent Flow in a Wavy Wall Channel (Grid Dependency) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2011, 77, 725-736.	0.2	0
35	PIV Measurement of Plume with a Pool Fire in Ventilation Controlled Compartment. Journal of the Visualization Society of Japan, 2015, 35, 24-28.	0.0	0
36	Reconciliation of computational fluid dynamics and observations in complex terrain through conditional resampling. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 195, 103970.	3.9	0

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37	Local wind prediction for construction and operation of wind power generation. Wind Engineers JAWE, 2008, 2008, 36-41.	0.1	0
38	LARGE-EDDY SIMULATION OF A BUOYANT PLUME PAST A BLUFF BODY: EFFECTS OF FLOW STRUCTURES ON ENTRAINMENT CHARACTERISTICS. Computational Thermal Sciences, 2013, 5, 1-10.	0.9	0
39	Sensitivity Analysis for Estimating the Salt-induced Damage to Voltage Current Transformer due to Typhoon. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 931-938.	0.2	0
40	Experimental Study on Cytokinetics in Injury Caused by Intubation and the Regeneration Process in Rat Tracheal Mucosa.. Nihon Kikan Shokudoka Gakkai Kaiho, 1997, 48, 327-339.	0.0	0
41	EFFECTS OF FLAME STRUCTURE ON ENTRAINMENT CHARACTERISTICS OF A FIRE PLUME. Computational Thermal Sciences, 2015, 7, 491-500.	0.9	0
42	Experimental Study on Fire Behavior in a Compartment Under Mechanical Ventilated Conditions: The Effects of Air Inlet Position. , 2017, , 111-119.		0
43	CHARACTERISTICS OF SPATIAL DISTRIBUTION OF WALL SHEAR STRESS WITH PENETRATING AIRFLOW INTO PIPE. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2018, 74, I_493-I_500.	0.1	0
44	A Damage Prediction System for Electric Power Distribution Equipment against Typhoon and Utilization of Meteorological Simulation Techniques. Journal of the Institute of Electrical Engineers of Japan, 2018, 138, 141-144.	0.0	0
45	Peak wind speed modulation by large-scale motions in neutrally stratified atmospheric surface layer. Environmental Fluid Mechanics, 0, , 1.	1.6	0