Futoshi Tanaka

List of Publications by Year
in descending order

28	394	1040056 9	752698 20
papers	citations	h-index	g-index

28	28	28	185
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristics of smoke extraction by natural ventilation during a fire in a shallow urban road tunnel with roof openings. Fire Safety Journal, 2014, 67, 96-106.	3.1	53
2	Performance validation of a hybrid ventilation strategy comprising longitudinal and point ventilation by a fire experiment using a model-scale tunnel. Fire Safety Journal, 2015, 71, 287-298.	3.1	53
3	Critical velocity and backlayering distance in tunnel fires with longitudinal ventilation taking thermal properties of wall materials into consideration. Tunnelling and Underground Space Technology, 2018, 75, 36-42.	6.2	52
4	Modeling for predicting the temperature distribution of smoke during a fire in an underground road tunnel with vertical shafts. Fire Safety Journal, 2017, 91, 312-319.	3.1	49
5	Effects of a transverse external wind on natural ventilation during fires in shallow urban road tunnels with roof openings. Fire Safety Journal, 2016, 79, 20-36.	3.1	39
6	Effects of scale ratio and aspect ratio in predicting the longitudinal smoke-temperature distribution during a fire in a road tunnel with vertical shafts. Tunnelling and Underground Space Technology, 2018, 80, 78-91.	6.2	32
7	Smoke spreading characteristics during a fire in a shallow urban road tunnel with roof openings under a longitudinal external wind blowing. Fire Safety Journal, 2017, 90, 156-168.	3.1	28
8	Backlayering Distance of Thermal Fumes in Tunnel Fire Experiments Using a Large-Scale Model. Journal of Fluid Science and Technology, 2012, 7, 389-404.	0.6	19
9	Combustion efficiency during fires in tunnels with natural ventilation by vitiated air including descending smoke. Fire Safety Journal, 2021, 120, 103093.	3.1	14
10	A simple model for predicting the smoke spread length during a fire in a shallow urban road tunnel with roof openings under natural ventilation. Fire Safety Journal, 2021, 120, 103106.	3.1	10
11	Experimental and numerical study on the interaction of a water mist spray with a turbulent buoyant flame. Fire Safety Journal, 2021, 120, 103033.	3.1	10
12	Fire cooling performance by water sprays using medium and small-scale model experiments with scaling relaxation. Fire Safety Journal, 2020, 112, 102965.	3.1	7
13	Temperature Characteristics of Backlayering Thermal Fumes in a Tunnel Fire. Journal of Fluid Science and Technology, 2012, 7, 275-289.	0.6	6
14	Large eddy simulation of smoke blocking by water sprays in a tunnel fire. Tunnelling and Underground Space Technology, 2022, 121, 104278.	6.2	6
15	Development of a technique for establishing a pseudo tunnel length. Proceedings of the Combustion Institute, 2019, 37, 3985-3992.	3.9	4
16	Flight Control Study of an Virtual Insect by a Simulation. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2006, 49, 556-561.	0.3	3
17	Influence of Wing Section and Wing Setting Angle on the Starting Performance of a Darrieus Wind Turbine. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2008, 74, 624-631.	0.2	2
18	Influence of Wing Section and Wing Setting Angle on the Starting Performance of a Darrieus Wind Turbine with Straight Wings. Journal of Environment and Engineering, 2011, 6, 302-315.	0.2	2

#	Article	IF	Citations
19	Study on Wind Measurements and Annual Energy Production of a Darrieus Wind Turbine. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2007, 73, 2283-2289.	0.2	1
20	Model Experiment on Temperature Distribution of Backlayering Thermal Fume in Tunnel Fires(Fluids) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Engineers Series B B-hen, 2010, 76, 1176-1183.	0.2	1
21	Backlayering Distance of Thermal Fume in Tunnel Fires (Fire Experiment Using a Model Tunnel). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2011, 77, 1064-1074.	0.2	1
22	Model-Scale Fire Experiments and Simulations of a Tunnel with Point-Extraction Ventilation. , 2020, , 1031-1046.		1
23	Effects of Tunnel Length on Combustion Efficiency in Tunnel Fires. , 2020, , 1075-1088.		1
24	Flows around an Arbitrary Shaped Body with Elastic Deformation by Fluid Force.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2000, 66, 1967-1974.	0.2	0
25	Fast Computational Method for Flow Field Including Boundaries with Elastic Deformation by the Fluid Force.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2001, 67, 1904-1911.	0.2	0
26	On the Smoke Propagation of a Fire in a Tunnel With Concentrated Exhaust Ventilation. , 2011, , .		0
27	1811 The Effect of Wind velocity on Water Discharge Behavior : Comparison between Image Processing Result and Simulation. The Proceedings of the Computational Mechanics Conference, 2009, 2009.22, 224-225.	0.0	0
28	1810 Fire Fighting Foam Discharge Simulation by use of PIV. The Proceedings of the Computational Mechanics Conference, 2009, 2009.22, 222-223.	0.0	0