

Wan Ki Chow

List of Publications by Year in descending order

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532
papers

7,816
citations

87723

38
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110170

64
g-index

559
all docs

559
docs citations

559
times ranked

3184
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar radiation model. Applied Energy, 2001, 69, 191-224.	5.1	306
2	Full-scale burning tests on studying smoke temperature and velocity along a corridor. Tunnelling and Underground Space Technology, 2005, 20, 223-229.	3.0	250
3	Studies on buoyancy-driven back-layering flow in tunnel fires. Experimental Thermal and Fluid Science, 2008, 32, 1468-1483.	1.5	235
4	On the maximum smoke temperature under the ceiling in tunnel fires. Tunnelling and Underground Space Technology, 2006, 21, 650-655.	3.0	228
5	Modeling fire-induced smoke spread and carbon monoxide transportation in a long channel: Fire Dynamics Simulator comparisons with measured data. Journal of Hazardous Materials, 2007, 140, 293-298.	6.5	150
6	Numerical studies on performance evaluation of tunnel ventilation safety systems. Tunnelling and Underground Space Technology, 2003, 18, 435-452.	3.0	147
7	Smoke movement in tilted tunnel fires with longitudinal ventilation. Fire Safety Journal, 2015, 75, 14-22.	1.4	136
8	Review on Chemical Reactions of Burning Poly(methyl methacrylate) PMMA. Journal of Fire Sciences, 2002, 20, 401-433.	0.9	102
9	A brief review on fire retardants for polymeric foams. Journal of Applied Polymer Science, 2005, 97, 366-376.	1.3	95
10	Crowding in platform staircases of a subway station in China during rush hours. Safety Science, 2009, 47, 931-938.	2.6	92
11	A study on tilted tunnel fire under natural ventilation. Fire Safety Journal, 2016, 81, 44-57.	1.4	87
12	Studies on the Thermal Behavior of Polyurethanes. Polymer-Plastics Technology and Engineering, 2006, 45, 95-108.	1.9	80
13	Longitudinal ventilation for smoke control in a tilted tunnel by scale modeling. Tunnelling and Underground Space Technology, 2010, 25, 122-128.	3.0	74
14	Natural smoke filling in atrium with liquid pool fires up to 1.6 MW. Building and Environment, 2001, 36, 121-127.	3.0	69
15	Simulation of tunnel fires using a zone model. Tunnelling and Underground Space Technology, 1996, 11, 221-236.	3.0	68
16	Application of Computational Fluid Dynamics in building services engineering. Building and Environment, 1996, 31, 425-436.	3.0	65
17	Energy impact of commercial-building envelopes in the sub-tropical climate. Applied Energy, 1998, 60, 21-39.	5.1	64
18	Preliminary Studies on Burning Behavior of Polymethylmethacrylate (PMMA). Journal of Fire Sciences, 2002, 20, 297-317.	0.9	63

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19	Waiting time in emergency evacuation of crowded public transport terminals. <i>Safety Science</i> , 2008, 46, 844-857.	2.6	63
20	DECAY OF BUOYANT SMOKE LAYER TEMPERATURE ALONG THE LONGITUDINAL DIRECTION IN TUNNEL FIRES. <i>Journal of Applied Fire Science</i> , 2004, 13, 53-77.	0.0	62
21	Effect of cavity depth on smoke spreading of double-skin facade. <i>Building and Environment</i> , 2006, 41, 970-979.	3.0	60
22	Fire suppressing performance of superfine potassium bicarbonate powder. <i>Fire and Materials</i> , 2011, 35, 353-366.	0.9	55
23	Large eddy simulations for studying tunnel smoke ventilation. <i>Tunnelling and Underground Space Technology</i> , 2004, 19, 577-586.	3.0	53
24	Building Fire Safety in the Far East. <i>Architectural Science Review</i> , 2005, 48, 285-294.	1.1	51
25	Use of Computational Fluid Dynamics for Simulating Enclosure Fires. <i>Journal of Fire Sciences</i> , 1995, 13, 300-334.	0.9	50
26	Field measurement on transient carbon monoxide levels in vehicular tunnels. <i>Building and Environment</i> , 2003, 38, 227-236.	3.0	50
27	Performance-based approach to determining fire safety provisions for buildings in the Asia-Oceania regions. <i>Building and Environment</i> , 2015, 91, 127-137.	3.0	49
28	Effect of varying two key parameters in simulating evacuation for subway stations in China. <i>Safety Science</i> , 2010, 48, 445-451.	2.6	48
29	Numerical simulation of pressure changes in closed chamber fires. <i>Building and Environment</i> , 2009, 44, 1261-1275.	3.0	47
30	Energy use in commercial buildings in Hong Kong. <i>Applied Energy</i> , 2001, 69, 243-255.	5.1	46
31	Experimental study on smoke movement leading to glass damages in double-skinned facade. <i>Construction and Building Materials</i> , 2007, 21, 556-566.	3.2	46
32	Correlation equations on fire-induced air flow rates through doorway derived by large eddy simulation. <i>Building and Environment</i> , 2005, 40, 897-906.	3.0	45
33	A discussion on potentials of saving energy use for commercial buildings in Hong Kong. <i>Energy</i> , 2007, 32, 83-94.	4.5	43
34	A study on ceiling jet characteristics in an inclined tunnel. <i>Tunnelling and Underground Space Technology</i> , 2015, 50, 32-46.	3.0	43
35	A Review on Architectural Aspects of Atrium Buildings. <i>Architectural Science Review</i> , 2001, 44, 285-295.	1.1	42
36	An investigation on spill plume development and natural filling in large full-scale atrium under retail shop fire. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 513-529.	2.5	41

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37	Numerical studies on atrium smoke movement and control with validation by field tests. Building and Environment, 2009, 44, 1150-1155.	3.0	41
38	A comparison of the use of fire zone and field models for simulating atrium smoke-filling processes. Fire Safety Journal, 1995, 25, 337-353.	1.4	40
39	Ventilation of enclosed train compartments in Hong Kong. Applied Energy, 2002, 71, 161-170.	5.1	40
40	Numerical studies on air flow around a cube. Journal of Wind Engineering and Industrial Aerodynamics, 2005, 93, 115-135.	1.7	40
41	FIRE SAFETY ASPECTS OF REFUGE FLOORS IN SUPERTALL BUILDINGS WITH COMPUTATIONAL FLUID DYNAMICS. Journal of Civil Engineering and Management, 2009, 15, 225-236.	1.9	40
42	Experimental study of suppressing Poly(methyl methacrylate) fires using water mists. Fire Safety Journal, 2012, 47, 32-39.	1.4	40
43	Platform screen doors on emergency evacuation in underground railway stations. Tunnelling and Underground Space Technology, 2012, 30, 1-9.	3.0	40
44	A study on the effects of the slope on the critical velocity for longitudinal ventilation in tilted tunnels. Tunnelling and Underground Space Technology, 2019, 89, 262-267.	3.0	40
45	A theoretical model to predict plume rise in shaft generated by growing compartment fire. International Journal of Heat and Mass Transfer, 2011, 54, 910-920.	2.5	39
46	Proposed Fire Safety Ranking System EB-FSRS for Existing High-Rise Nonresidential Buildings in Hong Kong. Journal of Architectural Engineering, 2002, 8, 116-124.	0.8	38
47	A simple two-layer zone model on mechanical exhaust in an atrium. Building and Environment, 2005, 40, 869-880.	3.0	38
48	Flame propagation of premixed liquefied petroleum gas explosion in a tube. Applied Thermal Engineering, 2017, 113, 891-901.	3.0	38
49	Wind-induced indoor-air flow in a high-rise building adjacent to a vertical wall. Applied Energy, 2004, 77, 225-234.	5.1	37
50	Heat release rate calculation in oxygen consumption calorimetry. Applied Thermal Engineering, 2011, 31, 304-310.	3.0	37
51	Fire Safety in Green or Sustainable Buildings: Application of the Fire Engineering Approach in Hong Kong. Architectural Science Review, 2003, 46, 297-303.	1.1	36
52	Optimum insulation-thickness for thermal and freezing protection. Applied Energy, 2005, 80, 23-33.	5.1	36
53	On smoke control for tunnels by longitudinal ventilation. Tunnelling and Underground Space Technology, 1998, 13, 271-275.	3.0	35
54	Wind effects on smoke motion and temperature of ventilation-controlled fire in a two-vent compartment. Building and Environment, 2009, 44, 2521-2526.	3.0	35

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55	Wind tunnel tests on compartment fires with crossflow ventilation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2011, 99, 1025-1035.	1.7	35
56	Performance evaluation of water mist with bromofluoropropene in suppressing gasoline pool fires. <i>Applied Thermal Engineering</i> , 2011, 31, 3864-3870.	3.0	35
57	Numerical studies on heat release rate in a room fire burning wood and liquid fuel. <i>Building Simulation</i> , 2014, 7, 511-524.	3.0	35
58	Numerical simulation on cooling of the fire-induced air flow by sprinkler water sprays. <i>Fire Safety Journal</i> , 1991, 17, 263-290.	1.4	34
59	Simulation of sprinkler-hot layer interaction using a field model. <i>Fire and Materials</i> , 1994, 18, 359-379.	0.9	34
60	Numerical studies on the indoor air flow in the occupied zone of ventilated and air-conditioned space. <i>Building and Environment</i> , 1996, 31, 319-344.	3.0	34
61	A new model on simulating smoke transport with computational fluid dynamics. <i>Building and Environment</i> , 2004, 39, 611-620.	3.0	34
62	Full-scale experimental studies on mechanical smoke exhaust efficiency in an underground corridor. <i>Building and Environment</i> , 2006, 41, 1622-1630.	3.0	34
63	Studies on smoke movement in stairwell induced by an adjacent compartment fire. <i>Applied Thermal Engineering</i> , 2009, 29, 2757-2765.	3.0	34
64	Numerical Studies on Recent Large High-Rise Building Fire. <i>Journal of Architectural Engineering</i> , 1998, 4, 65-74.	0.8	33
65	A Brief Review of Intumescent Fire Retardant Coatings. <i>Architectural Science Review</i> , 2003, 46, 89-95.	1.1	33
66	Parameterization study of the overall thermal-transfer value equation for buildings. <i>Applied Energy</i> , 1995, 50, 247-268.	5.1	32
67	On ventilation design for underground car parks. <i>Tunnelling and Underground Space Technology</i> , 1995, 10, 225-245.	3.0	32
68	Scale modeling studies on stack effect in tall vertical shafts. <i>Journal of Fire Sciences</i> , 2011, 29, 531-542.	0.9	32
69	Determination of the Smoke Layer Interface Height for Hot Smoke Tests in Big Halls. <i>Journal of Fire Sciences</i> , 2009, 27, 125-142.	0.9	31
70	Application of field modelling technique to simulate interaction of sprinkler and fire-induced smoke layer. <i>Combustion Science and Technology</i> , 1993, 89, 101-151.	1.2	30
71	Thermal stresses on window glasses upon heating. <i>Construction and Building Materials</i> , 2008, 22, 2157-2164.	3.2	30
72	Experimental Investigation on Onsetting Internal Fire Whirls in a Vertical Shaft. <i>Journal of Fire Sciences</i> , 2009, 27, 529-543.	0.9	30

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73	Numerical studies of airflows induced by mechanical ventilation and air-conditioning (MVAC) systems. Applied Energy, 2001, 68, 135-159.	5.1	29
74	Heat release rate of accidental fire in a supertall building residential flat. Building and Environment, 2010, 45, 1632-1640.	3.0	29
75	Car park ventilation system: performance evaluation. Building and Environment, 2004, 39, 635-643.	3.0	28
76	Oscillating behaviour of fire-induced air flow through a ceiling vent. Applied Thermal Engineering, 2009, 29, 3289-3298.	3.0	28
77	Trajectories of large respiratory droplets in indoor environment: A simplified approach. Building and Environment, 2020, 183, 107196.	3.0	28
78	Preliminary studies on a new method for assessing ventilation in large spaces. Building and Environment, 2002, 37, 145-152.	3.0	27
79	Internal Fire Whirls in a Vertical Shaft. Journal of Fire Sciences, 2011, 29, 71-92.	0.9	27
80	Solid-wall Boundary Effect on a Building Fire Field Model. Combustion Science and Technology, 1990, 71, 77-93.	1.2	26
81	Evacuation with smoke control for atria in green and sustainable buildings. Building and Environment, 2005, 40, 195-200.	3.0	26
82	Experimental studies on air diffusion of a linear diffuser and associated thermal comfort indices in an air-conditioned space. Building and Environment, 1994, 29, 523-530.	3.0	25
83	Experimental Studies on Natural Smoke Filling in Atria. Journal of Fire Sciences, 2000, 18, 84-103.	0.9	25
84	Mechanical smoke exhaust for small retail shop fires. International Journal of Thermal Sciences, 2005, 44, 477-490.	2.6	25
85	Field measurement of the air flow characteristics of big mechanically ventilated spaces. Building and Environment, 1996, 31, 541-550.	3.0	24
86	Simple flame height correlation for buoyancy-controlled diffusion plumes generated by rectangular sources fire with different aspect ratios. Fuel, 2019, 254, 115655.	3.4	24
87	Scale modeling study on flame colour in a ventilation-limited train car pool fire. Tunnelling and Underground Space Technology, 2019, 85, 375-391.	3.0	24
88	Evaluation of the Field Model, Fire Dynamics Simulator, for a Specific Experimental Scenario. Journal of Fire Protection Engineering, 2005, 15, 77-92.	0.8	23
89	Experimental studies on natural smoke filling in atrium due to a shop fire. Building and Environment, 2005, 40, 1185-1193.	3.0	22
90	Numerical simulations on thermal plumes with different types of turbulence models. Building and Environment, 2007, 42, 2819-2828.	3.0	22

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91	Buoyancy and inertial force on oscillations of thermal-induced convective flow across a vent. Building and Environment, 2011, 46, 315-323.	3.0	22
92	Experimental studies and modeling on flame velocity in turbulent deflagration in an open tube. Chemical Engineering Research and Design, 2019, 129, 291-307.	2.7	22
93	Burning behavior of cable tray located on a wall with different cable arrangements. Fire and Materials, 2019, 43, 64-73.	0.9	22
94	Experimental Studies on Sprinkler Water Spray's Smoke Layer Interaction. Journal of Applied Fire Science, 1994, 4, 171-184.	0.0	22
95	On the Simulation of Atrium Fire Environment in Hong Kong Using Zone Models. Journal of Fire Sciences, 1993, 11, 3-51.	0.9	21
96	Field study on the indoor thermal environment and carbon monoxide levels in a large underground car park. Tunnelling and Underground Space Technology, 1996, 11, 333-343.	3.0	21
97	On safety systems for underground car parks. Tunnelling and Underground Space Technology, 1998, 13, 281-287.	3.0	21
98	CFD Simulations on Balcony Spill Plume. Journal of Fire Sciences, 1998, 16, 468-485.	0.9	21
99	Assessment on Heat Release Rate of Furniture Foam Arrangement by a Cone Calorimeter. Journal of Fire Sciences, 2002, 20, 319-328.	0.9	21
100	On the bidirectional flow across an atrium ceiling vent. Building and Environment, 2011, 46, 2598-2602.	3.0	21
101	Investigation of the subjective response to elevated air velocities: climate chamber experiments in Hong Kong. Energy and Buildings, 1994, 20, 187-192.	3.1	20
102	Case study: vehicle fire in a cross-harbour tunnel in Hong Kong. Tunnelling and Underground Space Technology, 2001, 16, 23-30.	3.0	20
103	Fire hazard assessment on polyurethane sandwich panels for temporary accommodation units. Polymer Testing, 2004, 23, 973-977.	2.3	20
104	Calculating FED and LC50 for testing toxicity of materials in bench-scale tests with a cone calorimeter. Polymer Testing, 2005, 24, 920-924.	2.3	20
105	Study of Water Droplet Behavior in Hot Air Layer in Fire Extinguishment. Fire Technology, 2008, 44, 351-381.	1.5	20
106	Sick building syndrome's A case study. Building and Environment, 1991, 26, 319-330.	3.0	19
107	A proposed fire safety ranking system for old highrise buildings in the Hong Kong Special Administrative Region. Fire and Materials, 1999, 23, 27-31.	0.9	19
108	A Fire Safety Ranking System for Karaoke Establishments in Hong Kong. Journal of Fire Sciences, 2001, 19, 106-120.	0.9	19

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109	Experimental study of suppressing cooking oil fire with water mist using a cone calorimeter. International Journal of Hospitality Management, 2004, 23, 545-556.	5.3	19
110	“Waiting time” for evacuation in crowded areas. Building and Environment, 2007, 42, 3757-3761.	3.0	19
111	Assessment of radiative heat transfer characteristics of a combustion mixture in a three-dimensional enclosure using RAD-NETT (with application to a fire resistance test furnace). International Journal of Heat and Mass Transfer, 2014, 68, 383-390.	2.5	19
112	Numerical Studies on Thermally-Induced Air Flow in Sloping Tunnels with Experimental Scale Modelling Justifications. Fire Technology, 2018, 54, 867-892.	1.5	19
113	COMPARISON OF THE ALGORITHMS PISO AND SIMPLER FOR SOLVING PRESSURE-VELOCITY LINKED EQUATIONS IN SIMULATING COMPARTMENTAL FIRE. Numerical Heat Transfer; Part A: Applications, 1997, 31, 87-112.	1.2	18
114	On the use of time constants for specifying the smoke filling process in atrium halls. Fire Safety Journal, 1997, 28, 165-177.	1.4	18
115	Controlling building energy use by Overall Thermal Transfer Value (OTTV). Energy, 2000, 25, 463-478.	4.5	18
116	Will Water Mist Extinguish a Liquid Fire Rapidly?. Architectural Science Review, 2003, 46, 139-143.	1.1	18
117	The role of thermal radiation on the initiation of flashover in a compartment fire. International Journal of Heat and Mass Transfer, 2004, 47, 4265-4276.	2.5	18
118	Numerical Studies on Heat Release Rate in Room Fire on Liquid Fuel under Different Ventilation Factors. International Journal of Chemical Engineering, 2012, 2012, 1-13.	1.4	18
119	Determination of Fire Load and Heat Release Rate for High-rise Residential Buildings. Procedia Engineering, 2014, 84, 491-497.	1.2	18
120	Thermal Characteristics of Vertically Spreading Cable Fires in Confined Compartments. Fire Technology, 2019, 55, 1849-1875.	1.5	18
121	On the "Cabins" Fire Safety Design Concept in the New Hong Kong Airport Terminal Buildings. Journal of Fire Sciences, 1997, 15, 404-423.	0.9	17
122	SELECTION OF DIFFERENCING SCHEMES ON SIMULATING THE SPRINKLER HOT-AIR LAYER PROBLEM. Numerical Heat Transfer; Part A: Applications, 1999, 35, 311-330.	1.2	17
123	Experimental Studies on Minimum Heat Release Rates for Flashover with Oxygen Consumption Calorimetry. Architectural Science Review, 2003, 46, 291-296.	1.1	17
124	Bench-scale tests on PMMA fires with water mist. Polymer Testing, 2005, 24, 39-63.	2.3	17
125	On the evaporation effect of a sprinkler water spray. Fire Technology, 1989, 25, 364-373.	1.5	16
126	Performance of Sprinkler in Atria. Journal of Fire Sciences, 1996, 14, 466-488.	0.9	16

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127	Multi-Cell Concept for Simulating Fires in Big Enclosures Using a Zone Model. <i>Journal of Fire Sciences</i> , 1996, 14, 186-198.	0.9	16
128	Energy use for ventilation systems in underground car parks. <i>Building and Environment</i> , 1998, 33, 303-314.	3.0	16
129	Sizing of air-conditioning plant for commercial buildings in Hong Kong. <i>Applied Energy</i> , 2000, 66, 91-103.	5.1	16
130	Application of Water Mist Fire Suppression Systems in Small Retail Shops. <i>Journal of Fire Sciences</i> , 2002, 20, 479-503.	0.9	16
131	Reaction enthalpies and activation energies of two important reactions in flame suppression by CF ₃ Br. <i>Chemical Physics Letters</i> , 2003, 376, 465-474.	1.2	16
132	Studies on fire behaviour of video compact disc (VCD) materials with a cone calorimeter. <i>Polymer Testing</i> , 2004, 23, 685-694.	2.3	16
133	Review on Additives for New Clean Fire Suppressants. <i>Environmental Engineering Science</i> , 2007, 24, 663-674.	0.8	16
134	Thermal-balanced integral model for pyrolysis and ignition of wood. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 228-234.	1.2	16
135	Constructal design of evacuation from a three-dimensional living space. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 422, 47-57.	1.2	16
136	Numerical simulations on explosion of leaked liquefied petroleum gas in a garage. <i>Building Simulation</i> , 2017, 10, 755-768.	3.0	16
137	Numerical studies on fire hazards of elevator evacuation in supertall buildings. <i>Indoor and Built Environment</i> , 2019, 28, 247-263.	1.5	16
138	Improved model for estimating sidewall effect on the fire heat release rate of horizontal cable tray. <i>Chemical Engineering Research and Design</i> , 2021, 149, 831-838.	2.7	16
139	Scale Modeling on Natural Smoke Filling in an Atrium. <i>Heat Transfer Engineering</i> , 2008, 29, 76-84.	1.2	15
140	Common practices in fire hazard assessment for underground transport stations. <i>Tunnelling and Underground Space Technology</i> , 2013, 38, 377-384.	3.0	15
141	Analytical and experimental study on multiple fire sources in a kitchen. <i>Fire Safety Journal</i> , 2014, 63, 101-112.	1.4	15
142	Generation of an internal fire whirl in an open roof vertical shaft model with a single corner gap. <i>Journal of Fire Sciences</i> , 2015, 33, 183-201.	0.9	15
143	Physical properties of a sprinkler water spray. <i>Fire and Materials</i> , 1993, 17, 279-292.	0.9	14
144	Numerical studies on the transient behaviour of a fire plume and ceiling jet. <i>Mathematical and Computer Modelling</i> , 1993, 17, 71-79.	2.0	14

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145	On the fire safety for internal voids in highrise buildings. <i>Building and Environment</i> , 2003, 38, 1317-1325.	3.0	14
146	Preliminary study on the suppression chemistry of water mists on poly(methyl methacrylate) flames. <i>Polymer Degradation and Stability</i> , 2004, 86, 293-300.	2.7	14
147	Mass flow rates across layer interface in a two-layer zone model in an atrium with mechanical exhaust system. <i>Building and Environment</i> , 2006, 41, 1198-1202.	3.0	14
148	DFT and ab initio calculations on two reactions between hydrogen atoms and the fire suppressants 2-H heptafluoropropane and CF ₃ Br. <i>Journal of Computational Chemistry</i> , 2007, 28, 1582-1592.	1.5	14
149	Numerical Simulation of Emergency Evacuation of a Subway Station: A Case Study in Beijing. <i>Architectural Science Review</i> , 2009, 52, 183-193.	1.1	14
150	Constructal design for pedestrian movement in living spaces: Evacuation configurations. <i>Journal of Applied Physics</i> , 2012, 111, 054903.	1.1	14
151	An improved model for estimating heat release rate in horizontal cable tray fires in open space. <i>Journal of Fire Sciences</i> , 2018, 36, 275-290.	0.9	14
152	Performance evaluation on fixed water-based firefighting system in suppressing large fire in urban tunnels. <i>Tunnelling and Underground Space Technology</i> , 2019, 84, 56-69.	3.0	14
153	A Review on Fire Safety in Buildings with Glass Façade. <i>Journal of Applied Fire Science</i> , 2006, 16, 201-223.	0.0	14
154	Overall thermal transfer values for building envelopes in Hong Kong. <i>Applied Energy</i> , 1992, 42, 289-312.	5.1	13
155	Survey on the Air Diffusion Devices for Air-Conditioning Systems in Hong Kong. <i>Energy Engineering: Journal of the Association of Energy Engineers</i> , 1998, 95, 50-79.	0.3	13
156	Safety requirement and regulations reviews on ventilation and fire for tunnels in the Hong Kong Special Administrative Region. <i>Tunnelling and Underground Space Technology</i> , 1999, 14, 13-21.	3.0	13
157	Flammability Studies of Fire Retardant Coatings on Wood. <i>ACS Symposium Series</i> , 2001, , 361-374.	0.5	13
158	A proposed fire safety ranking system for karaoke establishments and its comparison with the NFPA-fire safety evaluation system. <i>Building and Environment</i> , 2002, 37, 647-656.	3.0	13
159	Emergency evacuation in places for public entertainment in Mainland China. <i>Building and Environment</i> , 2009, 44, 169-176.	3.0	13
160	Experimental Studies on Stability of Smoke Layer with a Sprinkler Water Spray. <i>Experimental Heat Transfer</i> , 2010, 23, 196-216.	2.3	13
161	Effects of viscosity on the growth of Rayleigh-Taylor instability. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 275501.	0.7	13
162	Experimental Study of New Gas-Solid Composite Particles in Extinguishing Cooking Oil Fires. <i>Journal of Fire Sciences</i> , 2011, 29, 152-176.	0.9	13

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163	Performance evaluation of bromofluoropropene in extinguishing liquid fuel spray fires. <i>Fire and Materials</i> , 2014, 38, 673-682.	0.9	13
164	Study on the Flashover Criteria for Compartmental Fires. <i>Journal of Fire Sciences</i> , 1997, 15, 95-107.	0.9	12
165	Predictability of Flashover by Zone Models. <i>Journal of Fire Sciences</i> , 1998, 16, 335-350.	0.9	12
166	Simulation on energy use for mechanical ventilation and air-conditioning (MVAC) systems in train compartments. <i>Energy</i> , 2000, 25, 1-13.	4.5	12
167	Building Fire Simulation with a Field Model Based on Large Eddy Simulation. <i>Architectural Science Review</i> , 2002, 45, 145-153.	1.1	12
168	On the Operation Time of Horizontal Ceiling Vent in an Atrium. <i>Journal of Fire Sciences</i> , 2002, 20, 37-51.	0.9	12
169	Numerical studies on evacuation design in a karaoke. <i>Building and Environment</i> , 2002, 37, 285-294.	3.0	12
170	The Necessity of Studying Chemical Reactions of the Clean Agent Heptafluoropropane in Fire Extinguishment. <i>Architectural Science Review</i> , 2004, 47, 223-227.	1.1	12
171	Experimental Studies on Mechanical Smoke Exhaust System in an Atrium. <i>Journal of Fire Sciences</i> , 2005, 23, 429-444.	0.9	12
172	Simulating Smoke Filling in Big Halls by Computational Fluid Dynamics. <i>Modelling and Simulation in Engineering</i> , 2011, 2011, 1-16.	0.4	12
173	A simulation study of tenability for passengers in a railway tunnel with arson fire. <i>Tunnelling and Underground Space Technology</i> , 2021, 108, 103679.	3.0	12
174	Ventilation design: Use of computational fluid dynamics as a study tool. <i>Building Services Engineering Research and Technology</i> , 1995, 16, 63-76.	0.9	11
175	Simulation of Fire Environment for Linear Atria in Hong Kong. <i>Journal of Architectural Engineering</i> , 1997, 3, 80-88.	0.8	11
176	CFD Fire Simulations with Four Turbulence Models and Their Combinations. <i>Journal of Fire Sciences</i> , 1999, 17, 209-239.	0.9	11
177	Illegal carriage of dangerous goods and their effects on tunnel safety. <i>Tunnelling and Underground Space Technology</i> , 2000, 15, 167-173.	3.0	11
178	Flashover for Bus Fires from Empirical Equations. <i>Journal of Fire Sciences</i> , 2001, 19, 81-93.	0.9	11
179	Discussion on Two Plume Formulae with Computational Fluid Dynamics. <i>Journal of Fire Sciences</i> , 2002, 20, 179-201.	0.9	11
180	Numerical study on the dynamics of driven disordered colloids. <i>Physical Review B</i> , 2003, 68, .	1.1	11

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181	Modelling of water mist fire suppression systems by a one-zone model. <i>Combustion Theory and Modelling</i> , 2004, 8, 567-592.	1.0	11
182	Extinguishment of a PMMA fire by water spray with high droplet speeds. <i>International Journal of Thermal Sciences</i> , 2005, 44, 410-419.	2.6	11
183	The heat of formation of 2-H heptafluoropropane by ab initio calculations. <i>Chemical Physics Letters</i> , 2005, 402, 32-36.	1.2	11
184	A Monte Carlo Approach for the Layout Design of Thermal Fire Detection System. <i>Fire Technology</i> , 2005, 41, 93-104.	1.5	11
185	Study of 2- <i>H</i> -Heptafluoropropane and Its Thermal Decomposition Using UV Photoelectron Spectroscopy and ab Initio Molecular Orbital Calculations. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3540-3550.	1.1	11
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