

# Wan Ki Chow

## List of Publications by Citations

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505  
papers

6,063  
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34  
h-index

56  
g-index

559  
ext. papers

6,950  
ext. citations

3.3  
avg, IF

6.25  
L-index

#	Paper	IF	Citations
505	Solar radiation model. <i>Applied Energy</i> , <b>2001</b> , 69, 191-224	10.7	236
504	Studies on buoyancy-driven back-layering flow in tunnel fires. <i>Experimental Thermal and Fluid Science</i> , <b>2008</b> , 32, 1468-1483	3	173
503	Full-scale burning tests on studying smoke temperature and velocity along a corridor. <i>Tunnelling and Underground Space Technology</i> , <b>2005</b> , 20, 223-229	5.7	173
502	On the maximum smoke temperature under the ceiling in tunnel fires. <i>Tunnelling and Underground Space Technology</i> , <b>2006</b> , 21, 650-655	5.7	168
501	Numerical studies on performance evaluation of tunnel ventilation safety systems. <i>Tunnelling and Underground Space Technology</i> , <b>2003</b> , 18, 435-452	5.7	115
500	Modeling fire-induced smoke spread and carbon monoxide transportation in a long channel: Fire Dynamics Simulator comparisons with measured data. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 140, 293-8	12.8	102
499	Smoke movement in tilted tunnel fires with longitudinal ventilation. <i>Fire Safety Journal</i> , <b>2015</b> , 75, 14-22	3.3	95
498	A brief review on fire retardants for polymeric foams. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 97, 366-376		84
497	Review on Chemical Reactions of Burning Poly(methyl methacrylate) PMMA. <i>Journal of Fire Sciences</i> , <b>2002</b> , 20, 401-433	1.5	80
496	Crowding in platform staircases of a subway station in China during rush hours. <i>Safety Science</i> , <b>2009</b> , 47, 931-938	5.8	73
495	Studies on the Thermal Behavior of Polyurethanes. <i>Polymer-Plastics Technology and Engineering</i> , <b>2006</b> , 45, 95-108		65
494	A study on tilted tunnel fire under natural ventilation. <i>Fire Safety Journal</i> , <b>2016</b> , 81, 44-57	3.3	60
493	Natural smoke filling in atrium with liquid pool fires up to 1.6 MW. <i>Building and Environment</i> , <b>2001</b> , 36, 121-127	6.5	60
492	Longitudinal ventilation for smoke control in a tilted tunnel by scale modeling. <i>Tunnelling and Underground Space Technology</i> , <b>2010</b> , 25, 122-128	5.7	55
491	Energy impact of commercial-building envelopes in the sub-tropical climate. <i>Applied Energy</i> , <b>1998</b> , 60, 21-39	10.7	55
490	Preliminary Studies on Burning Behavior of Polymethylmethacrylate (PMMA). <i>Journal of Fire Sciences</i> , <b>2002</b> , 20, 297-317	1.5	55
489	Application of Computational Fluid Dynamics in building services engineering. <i>Building and Environment</i> , <b>1996</b> , 31, 425-436	6.5	55

488	Simulation of tunnel fires using a zone model. <i>Tunnelling and Underground Space Technology</i> , <b>1996</b> , 11, 221-236	5.7	50
487	Waiting time in emergency evacuation of crowded public transport terminals. <i>Safety Science</i> , <b>2008</b> , 46, 844-857	5.8	49
486	Effect of cavity depth on smoke spreading of double-skin façade. <i>Building and Environment</i> , <b>2006</b> , 41, 970-979	6.5	47
485	Use of Computational Fluid Dynamics for Simulating Enclosure Fires. <i>Journal of Fire Sciences</i> , <b>1995</b> , 13, 300-334	1.5	45
484	Field measurement on transient carbon monoxide levels in vehicular tunnels. <i>Building and Environment</i> , <b>2003</b> , 38, 227-236	6.5	44
483	DECAY OF BUOYANT SMOKE LAYER TEMPERATURE ALONG THE LONGITUDINAL DIRECTION IN TUNNEL FIRES. <i>Journal of Applied Fire Science</i> , <b>2004</b> , 13, 53-77		43
482	Numerical simulation of pressure changes in closed chamber fires. <i>Building and Environment</i> , <b>2009</b> , 44, 1261-1275	6.5	42
481	Building Fire Safety in the Far East. <i>Architectural Science Review</i> , <b>2005</b> , 48, 285-294	2.6	41
480	Performance-based approach to determining fire safety provisions for buildings in the Asia-Oceania regions. <i>Building and Environment</i> , <b>2015</b> , 91, 127-137	6.5	40
479	Effect of varying two key parameters in simulating evacuation for subway stations in China. <i>Safety Science</i> , <b>2010</b> , 48, 445-451	5.8	39
478	A discussion on potentials of saving energy use for commercial buildings in Hong Kong. <i>Energy</i> , <b>2007</b> , 32, 83-94	7.9	39
477	Large eddy simulations for studying tunnel smoke ventilation. <i>Tunnelling and Underground Space Technology</i> , <b>2004</b> , 19, 577-586	5.7	39
476	Energy use in commercial buildings in Hong Kong. <i>Applied Energy</i> , <b>2001</b> , 69, 243-255	10.7	39
475	A study on ceiling jet characteristics in an inclined tunnel. <i>Tunnelling and Underground Space Technology</i> , <b>2015</b> , 50, 32-46	5.7	35
474	A theoretical model to predict plume rise in shaft generated by growing compartment fire. <i>International Journal of Heat and Mass Transfer</i> , <b>2011</b> , 54, 910-920	4.9	35
473	FIRE SAFETY ASPECTS OF REFUGE FLOORS IN SUPERTALL BUILDINGS WITH COMPUTATIONAL FLUID DYNAMICS. <i>Journal of Civil Engineering and Management</i> , <b>2009</b> , 15, 225-236	3	35
472	Proposed Fire Safety Ranking System EB-FSRS for Existing High-Rise Nonresidential Buildings in Hong Kong. <i>Journal of Architectural Engineering</i> , <b>2002</b> , 8, 116-124	1.5	35
471	Experimental study on smoke movement leading to glass damages in double-skinned façade. <i>Construction and Building Materials</i> , <b>2007</b> , 21, 556-566	6.7	34

470	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> , <b>2007</b> , 50, 513-529	4.9	34
469	Wind-induced indoor-air flow in a high-rise building adjacent to a vertical wall. <i>Applied Energy</i> , <b>2004</b> , 77, 225-234	10.7	34
468	A comparison of the use of fire zone and field models for simulating atrium smoke-filling processes. <i>Fire Safety Journal</i> , <b>1995</b> , 25, 337-353	3.3	34
467	Fire suppressing performance of superfine potassium bicarbonate powder. <i>Fire and Materials</i> , <b>2011</b> , 35, 353-366	1.8	33
466	Studies on smoke movement in stairwell induced by an adjacent compartment fire. <i>Applied Thermal Engineering</i> , <b>2009</b> , 29, 2757-2765	5.8	33
465	A simple two-layer zone model on mechanical exhaust in an atrium. <i>Building and Environment</i> , <b>2005</b> , 40, 869-880	6.5	33
464	A Review on Architectural Aspects of Atrium Buildings. <i>Architectural Science Review</i> , <b>2001</b> , 44, 285-295	2.6	33
463	Correlation equations on fire-induced air flow rates through doorway derived by large eddy simulation. <i>Building and Environment</i> , <b>2005</b> , 40, 897-906	6.5	32
462	Optimum insulation-thickness for thermal and freezing protection. <i>Applied Energy</i> , <b>2005</b> , 80, 23-33	10.7	31
461	Simulation of sprinkler-hot layer interaction using a field model. <i>Fire and Materials</i> , <b>1994</b> , 18, 359-379	1.8	31
460	Platform screen doors on emergency evacuation in underground railway stations. <i>Tunnelling and Underground Space Technology</i> , <b>2012</b> , 30, 1-9	5.7	30
459	Performance evaluation of water mist with bromofluoropropene in suppressing gasoline pool fires. <i>Applied Thermal Engineering</i> , <b>2011</b> , 31, 3864-3870	5.8	30
458	Parameterization study of the overall thermal-transfer value equation for buildings. <i>Applied Energy</i> , <b>1995</b> , 50, 247-268	10.7	30
457	Numerical studies on atrium smoke movement and control with validation by field tests. <i>Building and Environment</i> , <b>2009</b> , 44, 1150-1155	6.5	29
456	Wind effects on smoke motion and temperature of ventilation-controlled fire in a two-vent compartment. <i>Building and Environment</i> , <b>2009</b> , 44, 2521-2526	6.5	29
455	Ventilation of enclosed train compartments in Hong Kong. <i>Applied Energy</i> , <b>2002</b> , 71, 161-170	10.7	29
454	Fire Safety in Green or Sustainable Buildings: Application of the Fire Engineering Approach in Hong Kong. <i>Architectural Science Review</i> , <b>2003</b> , 46, 297-303	2.6	29
453	Numerical studies on the indoor air flow in the occupied zone of ventilated and air-conditioned space. <i>Building and Environment</i> , <b>1996</b> , 31, 319-344	6.5	29

452	Wind tunnel tests on compartment fires with crossflow ventilation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2011</b> , 99, 1025-1035	3.7	28
451	On smoke control for tunnels by longitudinal ventilation. <i>Tunnelling and Underground Space Technology</i> , <b>1998</b> , 13, 271-275	5.7	28
450	Thermal stresses on window glasses upon heating. <i>Construction and Building Materials</i> , <b>2008</b> , 22, 2157-2164	1.6	28
449	Numerical Studies on Recent Large High-Rise Building Fire. <i>Journal of Architectural Engineering</i> , <b>1998</b> , 4, 65-74	1.5	28
448	Application of field modelling technique to simulate interaction of sprinkler and fire-induced smoke layer. <i>Combustion Science and Technology</i> , <b>1993</b> , 89, 101-151	1.5	28
447	Heat release rate calculation in oxygen consumption calorimetry. <i>Applied Thermal Engineering</i> , <b>2011</b> , 31, 304-310	5.8	27
446	A Brief Review of Intumescent Fire Retardant Coatings. <i>Architectural Science Review</i> , <b>2003</b> , 46, 89-95	2.6	27
445	Numerical studies of airflows induced by mechanical ventilation and air-conditioning (MVAC) systems. <i>Applied Energy</i> , <b>2001</b> , 68, 135-159	10.7	27
444	On ventilation design for underground car parks. <i>Tunnelling and Underground Space Technology</i> , <b>1995</b> , 10, 225-245	5.7	27
443	Numerical simulation on cooling of the fire-induced air flow by sprinkler water sprays. <i>Fire Safety Journal</i> , <b>1991</b> , 17, 263-290	3.3	27
442	Experimental Investigation on Onsetting Internal Fire Whirls in a Vertical Shaft. <i>Journal of Fire Sciences</i> , <b>2009</b> , 27, 529-543	1.5	26
441	Scale modeling studies on stack effect in tall vertical shafts. <i>Journal of Fire Sciences</i> , <b>2011</b> , 29, 531-542	1.5	26
440	Preliminary studies on a new method for assessing ventilation in large spaces. <i>Building and Environment</i> , <b>2002</b> , 37, 145-152	6.5	26
439	Numerical studies on air flow around a cube. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2005</b> , 93, 115-135	3.7	26
438	Determination of the Smoke Layer Interface Height for Hot Smoke Tests in Big Halls. <i>Journal of Fire Sciences</i> , <b>2009</b> , 27, 125-142	1.5	25
437	Full-scale experimental studies on mechanical smoke exhaust efficiency in an underground corridor. <i>Building and Environment</i> , <b>2006</b> , 41, 1622-1630	6.5	25
436	A new model on simulating smoke transport with computational fluid dynamics. <i>Building and Environment</i> , <b>2004</b> , 39, 611-620	6.5	25
435	Experimental study of suppressing Poly(methyl methacrylate) fires using water mists. <i>Fire Safety Journal</i> , <b>2012</b> , 47, 32-39	3.3	24

434	Oscillating behaviour of fire-induced air flow through a ceiling vent. <i>Applied Thermal Engineering</i> , <b>2009</b> , 29, 3289-3298	5.8	24
433	Solid-wall Boundary Effect on a Building Fire Field Model. <i>Combustion Science and Technology</i> , <b>1990</b> , 71, 77-93	1.5	24
432	Evacuation with smoke control for atria in green and sustainable buildings. <i>Building and Environment</i> , <b>2005</b> , 40, 195-200	6.5	23
431	Experimental Studies on Natural Smoke Filling in Atria. <i>Journal of Fire Sciences</i> , <b>2000</b> , 18, 84-103	1.5	23
430	Flame propagation of premixed liquefied petroleum gas explosion in a tube. <i>Applied Thermal Engineering</i> , <b>2017</b> , 113, 891-901	5.8	22
429	Car park ventilation system: performance evaluation. <i>Building and Environment</i> , <b>2004</b> , 39, 635-643	6.5	22
428	Internal Fire Whirls in a Vertical Shaft. <i>Journal of Fire Sciences</i> , <b>2011</b> , 29, 71-92	1.5	21
427	Mechanical smoke exhaust for small retail shop fires. <i>International Journal of Thermal Sciences</i> , <b>2005</b> , 44, 477-490	4.1	21
426	Numerical studies on heat release rate in a room fire burning wood and liquid fuel. <i>Building Simulation</i> , <b>2014</b> , 7, 511-524	3.9	20
425	Heat release rate of accidental fire in a supertall building residential flat. <i>Building and Environment</i> , <b>2010</b> , 45, 1632-1640	6.5	20
424	On safety systems for underground car parks. <i>Tunnelling and Underground Space Technology</i> , <b>1998</b> , 13, 281-287	5.7	20
423	Numerical simulations on thermal plumes with kTypes of turbulence models. <i>Building and Environment</i> , <b>2007</b> , 42, 2819-2828	6.5	20
422	Trajectories of large respiratory droplets in indoor environment: A simplified approach. <i>Building and Environment</i> , <b>2020</b> , 183, 107196	6.5	20
421	A study on the effects of the slope on the critical velocity for longitudinal ventilation in tilted tunnels. <i>Tunnelling and Underground Space Technology</i> , <b>2019</b> , 89, 262-267	5.7	19
420	Evaluation of the Field Model, Fire Dynamics Simulator, for a Specific Experimental Scenario. <i>Journal of Fire Protection Engineering</i> , <b>2005</b> , 15, 77-92		19
419	Case study: vehicle fire in a cross-harbour tunnel in Hong Kong. <i>Tunnelling and Underground Space Technology</i> , <b>2001</b> , 16, 23-30	5.7	19
418	Assessment on Heat Release Rate of Furniture Foam Arrangement by a Cone Calorimeter. <i>Journal of Fire Sciences</i> , <b>2002</b> , 20, 319-328	1.5	19
417	Experimental studies on air diffusion of a linear diffuser and associated thermal comfort indices in an air-conditioned space. <i>Building and Environment</i> , <b>1994</b> , 29, 523-530	6.5	19

416	Experimental Studies on Sprinkler Water SpraySmoke Layer Interaction. <i>Journal of Applied Fire Science</i> , <b>1994</b> , 4, 171-184		19
415	Buoyancy and inertial force on oscillations of thermal-induced convective flow across a vent. <i>Building and Environment</i> , <b>2011</b> , 46, 315-323	6.5	18
414	Field measurement of the air flow characteristics of big mechanically ventilated spaces. <i>Building and Environment</i> , <b>1996</b> , 31, 541-550	6.5	18
413	On the Simulation of Atrium Fire Environment in Hong Kong Using Zone Models. <i>Journal of Fire Sciences</i> , <b>1993</b> , 11, 3-51	1.5	18
412	Investigation of the subjective response to elevated air velocities: climate chamber experiments in Hong Kong. <i>Energy and Buildings</i> , <b>1994</b> , 20, 187-192	7	18
411	On the use of time constants for specifying the smoke filling process in atrium halls. <i>Fire Safety Journal</i> , <b>1997</b> , 28, 165-177	3.3	17
410	CFD Simulations on Balcony Spill Plume. <i>Journal of Fire Sciences</i> , <b>1998</b> , 16, 468-485	1.5	17
409	SELECTION OF DIFFERENCING SCHEMES ON SIMULATING THE SPRINKLER HOT-AIR LAYER PROBLEM. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>1999</b> , 35, 311-330	2.3	17
408	A proposed fire safety ranking system for old highrise buildings in the Hong Kong Special Administrative Region. <i>Fire and Materials</i> , <b>1999</b> , 23, 27-31	1.8	17
407	Sick building syndromeA case study. <i>Building and Environment</i> , <b>1991</b> , 26, 319-330	6.5	17
406	COMPARISON OF THE ALGORITHMS PISO AND SIMPLER FOR SOLVING PRESSURE-VELOCITY LINKED EQUATIONS IN SIMULATING COMPARTMENTAL FIRE. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>1997</b> , 31, 87-112	2.3	16
405	Study of Water Droplet Behavior in Hot Air Layer in Fire Extinguishment. <i>Fire Technology</i> , <b>2008</b> , 44, 351-381		16
404	Will Water Mist Extinguish a Liquid Fire Rapidly?. <i>Architectural Science Review</i> , <b>2003</b> , 46, 139-143	2.6	16
403	Calculating FED and LC50 for testing toxicity of materials in bench-scale tests with a cone calorimeter. <i>Polymer Testing</i> , <b>2005</b> , 24, 920-924	4.5	16
402	Experimental studies on natural smoke filling in atrium due to a shop fire. <i>Building and Environment</i> , <b>2005</b> , 40, 1185-1193	6.5	16
401	Sizing of air-conditioning plant for commercial buildings in Hong Kong. <i>Applied Energy</i> , <b>2000</b> , 66, 91-103	10.7	16
400	Controlling building energy use by Overall Thermal Transfer Value (OTTV). <i>Energy</i> , <b>2000</b> , 25, 463-478	7.9	16
399	Field study on the indoor thermal environment and carbon monoxide levels in a large underground car park. <i>Tunnelling and Underground Space Technology</i> , <b>1996</b> , 11, 333-343	5.7	16

398	The role of thermal radiation on the initiation of flashover in a compartment fire. <i>International Journal of Heat and Mass Transfer</i> , <b>2004</b> , 47, 4265-4276	4.9	15
397	Reaction enthalpies and activation energies of two important reactions in flame suppression by CF3Br. <i>Chemical Physics Letters</i> , <b>2003</b> , 376, 465-474	2.5	15
396	Experimental Studies on Minimum Heat Release Rates for Flashover with Oxygen Consumption Calorimetry. <i>Architectural Science Review</i> , <b>2003</b> , 46, 291-296	2.6	15
395	Experimental study of suppressing cooking oil fire with water mist using a cone calorimeter. <i>International Journal of Hospitality Management</i> , <b>2004</b> , 23, 545-556	8.3	15
394	Bench-scale tests on PMMA fires with water mist. <i>Polymer Testing</i> , <b>2005</b> , 24, 39-63	4.5	15
393	A Fire Safety Ranking System for Karaoke Establishments in Hong Kong. <i>Journal of Fire Sciences</i> , <b>2001</b> , 19, 106-120	1.5	15
392	Numerical Studies on Thermally-Induced Air Flow in Sloping Tunnels with Experimental Scale Modelling Justifications. <i>Fire Technology</i> , <b>2018</b> , 54, 867-892	3	14
391	Experimental studies and modeling on flame velocity in turbulent deflagration in an open tube. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 129, 291-307	5.5	14
390	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). <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 68, 383-390	4.9	14
389	Numerical simulations on explosion of leaked liquefied petroleum gas in a garage. <i>Building Simulation</i> , <b>2017</b> , 10, 755-768	3.9	14
388	Numerical Studies on Heat Release Rate in Room Fire on Liquid Fuel under Different Ventilation Factors. <i>International Journal of Chemical Engineering</i> , <b>2012</b> , 2012, 1-13	2.2	14
387	Multi-Cell Concept for Simulating Fires in Big Enclosures Using a Zone Model. <i>Journal of Fire Sciences</i> , <b>1996</b> , 14, 186-198	1.5	14
386	Scale Modeling on Natural Smoke Filling in an Atrium. <i>Heat Transfer Engineering</i> , <b>2008</b> , 29, 76-84	1.7	14
385	Waiting time for evacuation in crowded areas. <i>Building and Environment</i> , <b>2007</b> , 42, 3757-3761	6.5	14
384	Studies on fire behaviour of video compact disc (VCD) materials with a cone calorimeter. <i>Polymer Testing</i> , <b>2004</b> , 23, 685-694	4.5	14
383	Fire hazard assessment on polyurethane sandwich panels for temporary accommodation units. <i>Polymer Testing</i> , <b>2004</b> , 23, 973-977	4.5	14
382	A Review on Fire Safety in Buildings with Glass Façade. <i>Journal of Applied Fire Science</i> , <b>2006</b> , 16, 201-223		14
381	Scale modeling study on flame colour in a ventilation-limited train car pool fire. <i>Tunnelling and Underground Space Technology</i> , <b>2019</b> , 85, 375-391	5.7	14



380	Simple flame height correlation for buoyancy-controlled diffusion plumes generated by rectangular sources fire with different aspect ratios. <i>Fuel</i> , <b>2019</b> , 254, 115655	7.1	13
379	Constructal design of evacuation from a three-dimensional living space. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2015</b> , 422, 47-57	3.3	13
378	Constructal design for pedestrian movement in living spaces: Evacuation configurations. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 054903	2.5	13
377	On the bidirectional flow across an atrium ceiling vent. <i>Building and Environment</i> , <b>2011</b> , 46, 2598-2602	6.5	13
376	Performance of Sprinkler in Atria. <i>Journal of Fire Sciences</i> , <b>1996</b> , 14, 466-488	1.5	13
375	Mass flow rates across layer interface in a two-layer zone model in an atrium with mechanical exhaust system. <i>Building and Environment</i> , <b>2006</b> , 41, 1198-1202	6.5	13
374	Review on Additives for New Clean Fire Suppressants. <i>Environmental Engineering Science</i> , <b>2007</b> , 24, 663-674		13
373	On the fire safety for internal voids in highrise buildings. <i>Building and Environment</i> , <b>2003</b> , 38, 1317-1325	6.5	13
372	Survey on the Air Diffusion Devices for Air-Conditioning Systems in Hong Kong. <i>Energy Engineering: Journal of the Association of Energy Engineers</i> , <b>1998</b> , 95, 50-79	0.6	13
371	On the evaporation effect of a sprinkler water spray. <i>Fire Technology</i> , <b>1989</b> , 25, 364-373	3	13
370	Generation of an internal fire whirl in an open roof vertical shaft model with a single corner gap. <i>Journal of Fire Sciences</i> , <b>2015</b> , 33, 183-201	1.5	12
369	Determination of Fire Load and Heat Release Rate for High-rise Residential Buildings. <i>Procedia Engineering</i> , <b>2014</b> , 84, 491-497		12
368	Effects of viscosity on the growth of Rayleigh-Taylor instability. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2011</b> , 44, 275501	2	12
367	Energy use for ventilation systems in underground car parks. <i>Building and Environment</i> , <b>1998</b> , 33, 303-314	4.5	12
366	DFT and ab initio calculations on two reactions between hydrogen atoms and the fire suppressants 2-H heptafluoropropane and CF <sub>3</sub> Br. <i>Journal of Computational Chemistry</i> , <b>2007</b> , 28, 1582-1592	3.5	12
365	Preliminary study on the suppression chemistry of water mists on poly(methyl methacrylate) flames. <i>Polymer Degradation and Stability</i> , <b>2004</b> , 86, 293-300	4.7	12
364	On the Operation Time of Horizontal Ceiling Vent in an Atrium. <i>Journal of Fire Sciences</i> , <b>2002</b> , 20, 37-51	1.5	12
363	Flammability Studies of Fire Retardant Coatings on Wood. <i>ACS Symposium Series</i> , <b>2001</b> , 361-374	0.4	12

362	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> , <b>1999</b> , 14, 13-21	5.7	12
361	Overall thermal transfer values for building envelopes in Hong Kong. <i>Applied Energy</i> , <b>1992</b> , 42, 289-312	10.7	12
360	Numerical studies on the transient behaviour of a fire plume and ceiling jet. <i>Mathematical and Computer Modelling</i> , <b>1993</b> , 17, 71-79		12
359	Analytical and experimental study on multiple fire sources in a kitchen. <i>Fire Safety Journal</i> , <b>2014</b> , 63, 101-112	3.3	11
358	Constructal design of pedestrian evacuation from an area. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 034904	2.5	11
357	Experimental Studies on Stability of Smoke Layer with a Sprinkler Water Spray. <i>Experimental Heat Transfer</i> , <b>2010</b> , 23, 196-216	2.4	11
356	Numerical Simulation of Emergency Evacuation of a Subway Station: A Case Study in Beijing. <i>Architectural Science Review</i> , <b>2009</b> , 52, 183-193	2.6	11
355	Simulating Smoke Filling in Big Halls by Computational Fluid Dynamics. <i>Modelling and Simulation in Engineering</i> , <b>2011</b> , 2011, 1-16	1.3	11
354	On the "Cabins" Fire Safety Design Concept in the New Hong Kong Airport Terminal Buildings. <i>Journal of Fire Sciences</i> , <b>1997</b> , 15, 404-423	1.5	11
353	Experimental Studies on Mechanical Smoke Exhaust System in an Atrium. <i>Journal of Fire Sciences</i> , <b>2005</b> , 23, 429-444	1.5	11
352	A proposed fire safety ranking system for karaoke establishments and its comparison with the NFPA-fire safety evaluation system. <i>Building and Environment</i> , <b>2002</b> , 37, 647-656	6.5	11
351	Numerical study on the dynamics of driven disordered colloids. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	11
350	Application of Water Mist Fire Suppression Systems in Small Retail Shops. <i>Journal of Fire Sciences</i> , <b>2002</b> , 20, 479-503	1.5	11
349	Illegal carriage of dangerous goods and their effects on tunnel safety. <i>Tunnelling and Underground Space Technology</i> , <b>2000</b> , 15, 167-173	5.7	11
348	CFD Fire Simulations with Four Turbulence Models and Their Combinations. <i>Journal of Fire Sciences</i> , <b>1999</b> , 17, 209-239	1.5	11
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