Richard K K Yuen

List of Publications by Year in Descending Order

169 papers	5,682 citations	46 h-index	66 g-index
175 ext. papers	6,702 ext. citations	5.1 avg, IF	6.03 L-index

#	Paper	IF	Citations
169	Characteristic time in highly motivated movements of children and adults through bottlenecks. *Scientific Reports*, **2021**, 11, 5096	4.9	1
168	Experimental Investigation on Temperature Profiles at Ceiling and Door of Subway Carriage Fire. *Fire Technology*, **2021**, 57, 439-459	3	0
167	Spontaneous synchronization of motion in pedestrian crowds of different densities. *Nature Human Behaviour*, **2021**, 5, 447-457	12.8	5
166	Experimental study on ceiling smoke temperature distributions in near field of pool fires in the subway train. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 199, 104135	3.7	8
165	Analysis of Run-Off-Road Accidents by Association Rule Mining and Geographic Information System Techniques on Imbalanced Datasets. *Sustainability*, **2020**, 12, 4882	3.6	6
164	Experimental study on confinement velocity in tunnel fires with longitudinal ventilation. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 201, 104157	3.7	13
163	A long short-term memory-based framework for crash detection on freeways with traffic data of different temporal resolutions. *Accident Analysis and Prevention*, **2020**, 141, 105520	6.1	20
162	Evacuation Characteristics of Students Passing Through Bottlenecks. *Springer Proceedings in Physics* , **2020**, 159-164	0.2	
161	Characteristics of steady burning over inclined polymethyl methacrylate surface in different pressure environments. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 637-644	4.1	2
160	An experimental investigation on combustion behavior of n-heptane in ice cavities of various depths with cross airflow. *Fuel*, **2020**, 262, 116464	7.1	3
159	Numerical investigation on the performance of bluff body augmented micro cavity-combustor. *International Journal of Hydrogen Energy*, **2020**, 45, 4932-4945	6.7	27
158	Enhancement of combustion performance in a microchannel: Synergistic effects of bluff-body and cavity. *Fuel*, **2020**, 265, 116940	7.1	21
157	Controlled self-template synthesis of manganese-based cuprous oxide nanoplates towards improved fire safety properties of epoxy composites. *Journal of Hazardous Materials*, **2020**, 387, 122006	12.8	8
156	Analysis of motorcycle accidents using association rule mining-based framework with parameter optimization and GIS technology. *Journal of Safety Research*, **2020**, 75, 292-309	4	13
155	A comparative study on the bottleneck flow between preschool children and adults under different movement motivations. *Safety Science*, **2020**, 121, 30-41	5.8	26
154	Adaptive modeling for reliability in optimal control of complex HVAC systems. *Building Simulation*, **2019**, 12, 1095-1106	3.9	12
153	Air-Stable Polyphosphazene-Functionalized Few-Layer Black Phosphorene for Flame Retardancy of Epoxy Resins. *Small*, **2019**, 15, e1805175	11	130

152	Cooling load forecasting-based predictive optimisation for chiller plants. *Energy and Buildings*, **2019**, 198, 261-274	7	20
151	Highly efficient flame retardant and smoke suppression mechanism of boron modified graphene Oxide/Poly(Lactic acid) nanocomposites. *Carbon*, **2019**, 150, 8-20	10.4	49
150	Flame retardant poly (lactic acid) biocomposites based on azo-boron coupled 4,4?-sulfonyldiphenol and its combination with calcium lignosulfonate□Crystalline and mechanical properties. *Polymers for Advanced Technologies*, **2019**, 30, 2207-2220	3.2	8
149	Electrochemically Exfoliated Functionalized Black Phosphorene and Its Polyurethane Acrylate Nanocomposites: Synthesis and Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 13652-13664	8.5	42
148	Facile flame retardant finishing of cotton fabric with hydrated sodium metaborate. *Cellulose*, **2019**, 26, 4629-4640	5.5	16
147	Thermal, crystalline and mechanical properties of flame retarded Poly(lactic acid) with a PBO-like small molecule - Phenylphosphonic Bis(2-aminobenzothiazole). *Polymer Degradation and Stability*, **2019**, 163, 76-86	4.7	25
146	Simultaneous fire safety enhancement and mechanical reinforcement of poly(lactic acid) biocomposites with hexaphenyl (nitrilotris(ethane-2,1-diyl))tris(phosphoramidate). *Journal of Hazardous Materials*, **2019**, 380, 120856	12.8	20
145	The maximum excess temperature of fire-induced smoke flow beneath an unconfined ceiling at high altitude. *Thermal Science*, **2019**, 23, 2961-2970	1.2	0
144	Investigation on the combustion efficiency and residual of nitrocellulose□alcohol humectant mixtures. *Journal of Thermal Analysis and Calorimetry*, **2019**, 136, 1807-1816	4.1	5
143	Thermal behavior of nitrocellulose with different aging periods. *Journal of Thermal Analysis and Calorimetry*, **2019**, 136, 651-660	4.1	12
142	1/2D SnO2 nanowires on MnO2 nanosheets hybrid architecture for reducing fire hazards of epoxy nanocomposites. *Composites Part A: Applied Science and Manufacturing*, **2018**, 107, 461-470	8.4	12
141	Effect of different humectants on the thermal stability and fire hazard of nitrocellulose. *Journal of Thermal Analysis and Calorimetry*, **2018**, 133, 1291-1307	4.1	22
140	A practical approach to chiller plants□optimisation. *Energy and Buildings*, **2018**, 169, 332-343	7	17
139	Effect of Bulk Density on the Combustion Property of Nitrocellulose with Isopropanol Humectant. *Propellants, Explosives, Pyrotechnics*, **2018**, 43, 445-452	1.7	2
138	Quantifying effects of graphene nanoplatelets on slowing down combustion of epoxy composites. *Composites Part B: Engineering*, **2018**, 146, 76-87	10	22
137	The influence of mesoporous SiO2-graphene hybrid improved the flame retardancy of epoxy resins. *Polymers for Advanced Technologies*, **2018**, 29, 1478-1486	3.2	14
136	Experimental study of high altitude effect on heat release rates of pool fires using calorimeters. *Journal of Thermal Analysis and Calorimetry*, **2018**, 131, 1597-1603	4.1	5
135	Synthesis of Co3(HPO4)2(OH)2 nanosheets and its synergistic effect with intumescent flame retardants in ethylene-vinyl acetate copolymer. *Polymer Composites*, **2018**, 39, 238-246	3	9

134	Diphase flame-retardant effect of ammonium polyphosphate and dimethyl methyl phosphonate on polyisocyanurate-polyurethane foam. *Polymers for Advanced Technologies*, **2018**, 29, 2917-2925	3.2	12
133	Effect of plasticizer dibutyl phthalate on the thermal decomposition of nitrocellulose. *Journal of Thermal Analysis and Calorimetry*, **2018**, 134, 953-969	4.1	16
132	Novel dynamic forecasting model for building cooling loads combining an artificial neural network and an ensemble approach. *Applied Energy*, **2018**, 228, 1740-1753	10.7	57
131	Self-assembled supermolecular aggregate supported on boron nitride nanoplatelets for flame retardant and friction application. *Chemical Engineering Journal*, **2018**, 349, 223-234	14.7	53
130	In situ growth of polyphosphazene particles on molybdenum disulfide nanosheets for flame retardant and friction application. *Composites Part A: Applied Science and Manufacturing*, **2018**, 114, 407-417	8.4	18
129	Analysis of repulsion states among pedestrians inflowing into a room. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 2424-2430	2.3	3
128	Melamine-containing polyphosphazene wrapped ammonium polyphosphate: A novel multifunctional organic-inorganic hybrid flame retardant. *Journal of Hazardous Materials*, **2018**, 344, 839-848	12.8	162
127	A novel boron–nitrogen intumescent flame retardant coating on cotton with improved washing durability. *Cellulose*, **2018**, 25, 843-857	5.5	35
126	Analysis of factors affecting the performance of BIPV panels. *EPJ Applied Physics*, **2018**, 84, 10902	1.1	1
125	Thermal Degradation and Fire Properties of Fungal Mycelium and Mycelium - Biomass Composite Materials. *Scientific Reports*, **2018**, 8, 17583	4.9	45
124	Synergetic enhancement on flame retardancy by melamine phosphate modified lignin in rice husk ash filled P34HB biocomposites. *Composites Science and Technology*, **2018**, 168, 246-254	8.6	35
123	Evaluation of the critical safety temperature of nitrocellulose in different forms. *Journal of Loss Prevention in the Process Industries*, **2018**, 56, 289-299	3.5	13
122	Estimation on the Safe Storage Temperature of Nitrocellulose with Different Humectants. *Propellants, Explosives, Pyrotechnics*, **2018**, 43, 1122-1128	1.7	6
121	Experimental study on the fire characteristics of typical nitrocellulose mixtures using a cone calorimeter. *Journal of Thermal Analysis and Calorimetry*, **2018**, 134, 1471-1480	4.1	12
120	Investigating the time evolution of some parameters describing inflow processes of pedestrians in a room. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 507, 77-88	3.3	3
119	Waste-derived low-cost mycelium composite construction materials with improved fire safety. *Fire and Materials*, **2018**, 42, 816-825	1.8	55
118	The influence of typical layered inorganic compounds on the improved thermal stability and fire resistance properties of polystyrene nanocomposites. *Polymer Composites*, **2017**, 38, E320-E330	3	6
117	Multiplexed real-time optimization of HVAC systems with enhanced control stability. *Applied Energy*, **2017**, 187, 640-651	10.7	20

116	An experimental study about the effect of arrangement on the fire behaviors of lithium-ion batteries. *Journal of Thermal Analysis and Calorimetry*, **2017**, 129, 181-188	4.1	21
115	Organically modified montmorillonite as a synergist for intumescent flame retardant against the flammable polypropylene. *Polymers for Advanced Technologies*, **2017**, 28, 679-685	3.2	30
114	Constructing 3D Polyphosphazene Nanotube@Mesoporous Silica@Bimetallic Phosphide Ternary Nanostructures via Layer-by-Layer Method: Synthesis and Applications. *ACS Applied Materials & Interfaces*, **2017**, 9, 23027-23038	9.5	36
113	Experimental Study on the Bundle Lithium-Ion Batteries Fire. *Materials Science Forum*, **2017**, 890, 263-266	0.4	
112	Graphitic carbon nitride/phosphorus-rich aluminum phosphinates hybrids as smoke suppressants and flame retardants for polystyrene. *Journal of Hazardous Materials*, **2017**, 332, 87-96	12.8	150
111	Dual effects of pedestrian density on emergency evacuation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2017**, 381, 435-439	2.3	13
110	Tunable Properties of Exfoliated Polyvinylalcohol Nanocomposites by In Situ Coprecipitation of Layered Double Hydroxides. *IOP Conference Series: Materials Science and Engineering*, **2017**, 241, 012001	0.4	
109	Low air pressure effects on burning characteristics of typical oil with forced irradiance. *IOP Conference Series: Materials Science and Engineering*, **2017**, 241, 012039	0.4	
108	Study of the fire hazards of lithium-ion batteries at different pressures. *Applied Thermal Engineering*, **2017**, 125, 1061-1074	5.8	70
107	Role of atrium geometry in building energy consumption: The case of a fully air-conditioned enclosed atrium in cold climates, China. *Energy and Buildings*, **2017**, 151, 228-241	7	18
106	Flame-retardant-wrapped polyphosphazene nanotubes: A novel strategy for enhancing the flame retardancy and smoke toxicity suppression of epoxy resins. *Journal of Hazardous Materials*, **2017**, 325, 327-339	12.8	149
105	Self-standing cuprous oxide nanoparticles on silica@ polyphosphazene nanospheres: 3D nanostructure for enhancing the flame retardancy and toxic effluents elimination of epoxy resins via synergistic catalytic effect. *Chemical Engineering Journal*, **2017**, 309, 802-814	14.7	120
104	Experimental analysis of high oxygen concentration influences on horizontal flame spread over PA6 and epoxy. *IOP Conference Series: Materials Science and Engineering*, **2017**, 201, 012023	0.4	1
103	Experimental Study on the Fire Properties of Nitrocellulose with Different Structures. *Materials*, **2017**, 10,	3.5	19
102	Experimental study on burning behaviors of liquid fuels with different sooting levels at high altitude. *Thermal Science*, **2017**, 21, 2533-2541	1.2	3
101	Degree of freedom based set-point reset scheme for HVAC real-time optimization. *Energy and Buildings*, **2016**, 128, 349-359	7	12
100	A 3D Nanostructure Based on Transition-Metal Phosphide Decorated Heteroatom-Doped Mesoporous Nanospheres Interconnected with Graphene: Synthesis and Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 32528-32540	9.5	39
99	Synthesis of a novel triazine-based polymeric flame retardant and its application in polypropylene. *Polymer Degradation and Stability*, **2016**, 134, 202-210	4.7	30

98	Effect of the ambient pressure on the heat release rates of n-heptane pool fires. *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 1727-1734	4.1	9
97	Impacts of ceiling height on the combustion behaviors of pool fires beneath a ceiling. *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 881-889	4.1	21
96	The burning behaviors of pool fire flames under low pressure. *Fire and Materials*, **2016**, 40, 318-334	1.8	23
95	Processable Dispersions of Graphitic Carbon Nitride Based Nanohybrids and Application in Polymer Nanocomposites. *Industrial & Engineering Chemistry Research*, **2016**, 55, 7646-7654	3.9	17
94	Smoke Production and Fractal Structure Properties of Soot from n-Heptane Pool Fires Under Low Pressures. *Fire Technology*, **2016**, 52, 1915-1937	3	3
93	Synergistic effect of graphitic carbon nitride and ammonium polyphosphate for enhanced thermal and flame retardant properties of polystyrene. *Materials Chemistry and Physics*, **2016**, 177, 283-292	4.4	40
92	. *IEEE Transactions on Intelligent Transportation Systems*, **2016**, 17, 3159-3170	6.1	38
91	Combustion characteristics of primary lithium battery at two altitudes. *Journal of Thermal Analysis and Calorimetry*, **2016**, 124, 865-870	4.1	18
90	Effective leadership for crowd evacuation. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 450, 333-341	3.3	56
89	Cyclotriphosphazene-Based Intumescent Flame Retardant against the Combustible Polypropylene. *Industrial & Engineering Chemistry Research*, **2016**, 55, 8018-8024	3.9	35
88	Investigation of enclosure effect of pressure chamber on the burning behavior of a hydrocarbon fuel. *Applied Thermal Engineering*, **2016**, 101, 202-216	5.8	31
87	Transition from positive to negative on the leadership effect of the biological particles group. *Europhysics Letters*, **2016**, 114, 18003	1.6	1
86	Functionalized Carbon Nanotubes with Phosphorus- and Nitrogen-Containing Agents: Effective Reinforcer for Thermal, Mechanical, and Flame-Retardant Properties of Polystyrene Nanocomposites. *ACS Applied Materials & Interfaces*, **2016**, 8, 26266-26274	9.5	109
85	A novel UV-curing flame retardant film with significantly intumescent effect. *Polymer Degradation and Stability*, **2015**, 119, 288-294	4.7	5
84	Tunable thermal, flame retardant and toxic effluent suppression properties of polystyrene based on alternating graphitic carbon nitride and multi-walled carbon nanotubes. *Journal of Materials Chemistry A*, **2015**, 3, 17064-17073	13	49
83	Enhanced thermal stability of polystyrene by graphitic carbon nitride/spinel ZnCo2O4 nanohybrids and the catalytic mechanism investigation. *RSC Advances*, **2015**, 5, 41835-41838	3.7	13
82	Novel CuCo2O4/graphitic carbon nitride nanohybrids: Highly effective catalysts for reducing CO generation and fire hazards of thermoplastic polyurethane nanocomposites. *Journal of Hazardous Materials*, **2015**, 293, 87-96	12.8	105
81	Investigation on the thermal hazards of 18650 lithium ion batteries by fire calorimeter. *Journal of Thermal Analysis and Calorimetry*, **2015**, 122, 755-763	4.1	68

80	Fire-Induced Temperature Correlations in Ceiling Vented Compartments. *Fire Technology*, **2015**, 51, 369-379	3	9
79	Graphite-like carbon nitride and functionalized layered double hydroxide filled polypropylene-grafted maleic anhydride nanocomposites: Comparison in flame retardancy, and thermal, mechanical and UV-shielding properties. *Composites Part B: Engineering*, **2015**, 79, 277-284	10	47
78	Performance of overall heat transfer coefficient and exploring heat transfer through the ceiling vent of compartment fire in ship structures with A60 constructions. *Ships and Offshore Structures*, **2015**, 10, 328-334	1.4	6
77	Investigation on flame retardancy, combustion and pyrolysis behavior of flame retarded unsaturated polyester resin with a star-shaped phosphorus-containing compound. *Journal of Analytical and Applied Pyrolysis*, **2014**, 105, 317-326	6	57
76	Facile preparation of ZnS/g-C3N4 nanohybrids for enhanced optical properties. *RSC Advances*, **2014** , 4, 2609-2613	3.7	32
75	Influence of g-C3N4 nanosheets on thermal stability and mechanical properties of biopolymer electrolyte nanocomposite films: a novel investigation. *ACS Applied Materials & Interfaces*, **2014**, 6, 429-37	9.5	125
74	Experimental analysis of low air pressure influences on fire plumes. *International Journal of Heat and Mass Transfer*, **2014**, 70, 578-585	4.9	53
73	Enhanced thermal properties and flame retardancy of unsaturated polyester-based hybrid materials containing phosphorus and silicon. *Polymers for Advanced Technologies*, **2014**, 25, 223-232	3.2	54
72	Ternary grapheneCoFe2O4/CdS nanohybrids: preparation and application as recyclable photocatalysts. *Journal of Materials Chemistry A*, **2014**, 2, 535-544	13	69
71	One-pot synthesis of a novel s-triazine-based hyperbranched charring foaming agent and its enhancement on flame retardancy and water resistance of polypropylene. *Polymer Degradation and Stability*, **2014**, 110, 165-174	4.7	49
70	Aluminum hypophosphite in combination with expandable graphite as a novel flame retardant system for rigid polyurethane foams. *Polymers for Advanced Technologies*, **2014**, 25, 1034-1043	3.2	54
69	Organic/inorganic flame retardants containing phosphorus, nitrogen and silicon: Preparation and their performance on the flame retardancy of epoxy resins as a novel intumescent flame retardant system. *Materials Chemistry and Physics*, **2014**, 143, 1243-1252	4.4	125
68	Comparative study on the flame retarded efficiency of melamine phosphate, melamine phosphite and melamine hypophosphite on poly(butylene succinate) composites. *Polymer Degradation and Stability*, **2014**, 105, 248-256	4.7	65
67	Experimental study of the burning behavior of n-heptane pool fires at high altitude. *Fire and Materials*, **2014**, 40, n/a-n/a	1.8	1
66	A polymeric flame retardant and surfactant-free montmorillonite nanocomposites: Preparation and exfoliation mechanism discussion. *Polymer Composites*, **2014**, 35, 167-173	3	14
65	Thermal performance and flame retardancy studies of vinyl ester and glass fiber reinforced plastic composites containing nanoclay. *Journal of Composite Materials*, **2014**, 48, 165-177	2.7	7
64	One-pot surface functionalization and reduction of graphene oxide with long-chain molecules: Preparation and its enhancement on the thermal and mechanical properties of polyurea. *Chemical Engineering Journal*, **2014**, 236, 233-241	14.7	62
63	Effect of Right-Hand Traffic Rules on Evacuation Through Multiple Parallel Bottlenecks. *Fire Technology*, **2014**, 50, 297-316	3	5

62	Novel organic–inorganic flame retardants containing exfoliated graphene: preparation and their performance on the flame retardancy of epoxy resins. *Journal of Materials Chemistry A*, **2013**, 1, 6822	13	136
61	CuO/Graphene Nanohybrids: Preparation and Enhancement on Thermal Stability and Smoke Suppression of Polypropylene. *Industrial & Engineering Chemistry Research*, **2013**, 52, 13654-13660	3.9	51
60	Unsaturated polyester resins modified with phosphorus-containing groups: Effects on thermal properties and flammability. *Polymer Degradation and Stability*, **2013**, 98, 2033-2040	4.7	48
59	On the Fire Intensification of Pool Fire with Water Mist. *Procedia Engineering*, **2013**, 62, 994-999		8
58	On the Self-extinction Time of Pool Fire in Closed Compartments. *Procedia Engineering*, **2013**, 62, 266-274		10
57	Silicon nanoparticle decorated graphene composites: preparation and their reinforcement on the fire safety and mechanical properties of polyurea. *Journal of Materials Chemistry A*, **2013**, 1, 9827	13	52
56	Preparation, Flame Retardancy, and Thermal Degradation of Unsaturated Polyester Resin Modified with a Novel Phosphorus Containing Acrylate. *Industrial & Engineering Chemistry Research*, **2013**, 52, 12855-12864	3.9	51
55	Impacts of elevation on pool fire behavior in a closed compartment: A study based upon a distinct stratification phenomenon. *Journal of Fire Sciences*, **2013**, 31, 178-193	1.5	23
54	Graphite oxide/polyurea and graphene/polyurea nanocomposites: A comparative investigation on properties reinforcements and mechanism. *Composites Science and Technology*, **2013**, 74, 228-234	8.6	44
53	Structure–property relationships of synthetic organophosphorus flame retardant oligomers by thermal analysis. *Thermochimica Acta*, **2013**, 565, 17-26	2.9	17
52	Novel Flame Retardants Containing 9,10-Dihydro-9-oxa-10-phosphaphenanthrene-10-oxide and Unsaturated Bonds: Synthesis, Characterization, and Application in the Flame Retardancy of Epoxy Acrylates. *Industrial & Engineering Chemistry Research*, **2013**, 52, 7307-7315	3.9	57
51	Influence of Different Metal Oxides on the Thermal, Combustion Properties and Smoke Suppression in Ethylene–Vinyl Acetate. *Industrial & Engineering Chemistry Research*, **2013**, 52, 8062-8069	3.9	19
50	Synthesis of organophosphorus modified nanoparticles and their reinforcements on the fire safety and mechanical properties of polyurea. *Materials Chemistry and Physics*, **2013**, 139, 443-449	4.4	11
49	Thermal degradation and flammability of novel organic/inorganic epoxy hybrids containing organophosphorus-modified oligosiloxane. *Thermochimica Acta*, **2013**, 552, 87-97	2.9	42
48	Experimental study on elevated fires in a ceiling vented compartment. *Journal of Thermal Science*, **2013**, 22, 377-382	1.9	11
47	Synthesis of a Novel Triazine-Based Hyperbranched Char Foaming Agent and the Study of Its Enhancement on Flame Retardancy and Thermal Stability of Polypropylene. *Industrial & Engineering Chemistry Research*, **2013**, 52, 17015-17022	3.9	33
46	A novel polyurethane prepolymer as toughening agent: Preparation, characterization, and its influence on mechanical and flame retardant properties of phenolic foam. *Journal of Applied Polymer Science*, **2013**, 128, 2720-2728	2.9	57
45	Fire Prevention Model Based on Internet of Things. *Lecture Notes in Electrical Engineering*, **2013**, 73-79	0.2	

44	Novel styrene polymers functionalized with phosphorus–nitrogen containing molecules: Synthesis and properties. *Materials Chemistry and Physics*, **2012**, 134, 163-169	4.4	24
43	Effect of borates on thermal degradation and flame retardancy of epoxy resins using polyhedral oligomeric silsesquioxane as a curing agent. *Thermochimica Acta*, **2012**, 535, 71-78	2.9	57
42	Flame-retarded polystyrene with phosphorus- and nitrogen-containing oligomer: Preparation and thermal properties. *Journal of Applied Polymer Science*, **2012**, 123, 770-778	2.9	14
41	Smoke filling in closed compartments with elevated fire sources. *Fire Safety Journal*, **2012**, 54, 14-23	3.3	24
40	Investigation of Thermal and Combustion Properties for Intumescent Flame-Retardant Ethylene–Vinyl Acetate Composites Containing Ferrous Disulfide. *Industrial & Engineering Chemistry Research*, **2012**, 51, 15082-15088	3.9	16
39	The Impact of Metal Oxides on the Combustion Behavior of Ethylene–Vinyl Acetate Coploymers Containing an Intumenscent Flame Retardant. *Industrial & Engineering Chemistry Research*, **2012**, 51, 7884-7890	3.9	39
38	Iron-montmorillonite and zinc borate as synergistic agents in flame-retardant glass fiber reinforced polyamide 6 composites in combination with melamine polyphosphate. *Composites Part A: Applied Science and Manufacturing*, **2012**, 43, 415-422	8.4	71
37	Studies on Mechanical Properties, Thermal Degradation, and Combustion Behaviors of Poly(1,4-butylene terephthalate)/Glass Fiber/Cerium Hypophosphite Composites. *Industrial & Engineering Chemistry Research*, **2012**, 51, 8253-8261	3.9	14
36	Enhanced Properties of the Incorporation of a Novel Reactive Phosphorus- and Sulfur-Containing Flame-Retardant Monomer into Unsaturated Polyester Resin. *Industrial & Engineering Chemistry Research*, **2012**, 51, 15918-15926	3.9	44
35	Thermal Properties of Novel 9,10-Dihydro-9-oxa-10-phosphaphenanthrene 10-Oxide-based Organic/Inorganic Hybrid Materials Prepared by Sol–Gel and UV-Curing Processes. *Industrial & Engineering Chemistry Research*, **2012**, 51, 85-94	3.9	46
34	Preparation and thermal properties of novel organic/inorganic network hybrid materials containing silicon and phosphate. *Journal of Polymer Research*, **2012**, 19, 1	2.7	27
33	Investigation of a combination of novel polyphosphoramide and boron-containing compounds on the thermal and flame-retardant properties of polystyrene. *Journal of Polymer Research*, **2012**, 19, 1	2.7	14
32	Fire performance and mechanical properties of phenolic foams modified by phosphorus-containing polyethers. *Journal of Polymer Research*, **2012**, 19, 1	2.7	47
31	A novel polymeric flame retardant and exfoliated clay nanocomposites: Preparation and properties. *Chemical Engineering Journal*, **2012**, 183, 542-549	14.7	63
30	Numerical Study of Smoke Control for Underground Platform in a High-Speed Railway Station. *Applied Mechanics and Materials*, **2012**, 256-259, 2803-2812	0.3	2
29	Combustion and Thermal Degradation Mechanism of a Novel Intumescent Flame Retardant for Epoxy Acrylate Containing Phosphorus and Nitrogen. *Industrial & Engineering Chemistry Research*, **2011**, 50, 1881-1892	3.9	103
28	Development and Characterization of Fire Retarded Glass-Fiber Reinforced Poly(1,4-butylene terephthalate) Composites Based on a Novel Flame Retardant System. *Industrial & Engineering Chemistry Research*, **2011**, 50, 11975-11981	3.9	25
27	Fire and mechanical performance of nanoclay reinforced glass-fiber/PBT composites containing aluminum hypophosphite particles. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 794-800	8.4	86

26	Effect of rare earth hypophosphite and melamine cyanurate on fire performance of glass-fiber reinforced poly(1,4-butylene terephthalate) composites. *Thermochimica Acta*, **2011**, 526, 185-191	2.9	31
25	An intelligent approach to assessing the effect of building occupancy on building cooling load prediction. *Building and Environment*, **2011**, 46, 1681-1690	6.5	88
24	Flame retardancy mechanisms of poly(1,4-butylene terephthalate) containing microencapsulated ammonium polyphosphate and melamine cyanurate. *Polymers for Advanced Technologies*, **2011**, 22, 2136-2144	3.2	14
23	Effect of organo-modified montmorillonite on flame retardant poly(1,4-butylene terephthalate) composites. *Polymers for Advanced Technologies*, **2011**, 22, 2564-2570	3.2	20
22	Effects of a phosphorus compound on the morphology, thermal properties, and flammability of polystyrene/MgAl-layered double hydroxide nanocomposites. *Polymer Composites*, **2011**, 32, 168-176	3	9
21	Investigations of thermal degradation behavior and fire performance of halogen-free flame retardant poly(1,4-butylene terephthalate) composites. *Journal of Applied Polymer Science*, **2011**, 122, 1480-1488	2.9	29
20	Synthesis, structure–property relationships of polyphosphoramides with high char residues. *Journal of Materials Chemistry*, **2011**, 21, 6621		88
19	An integrated model for the design of air-cooled chiller plants for commercial buildings. *Building and Environment*, **2011**, 46, 196-209	6.5	9
18	Enhancement of fire retardancy performance of glass-fibre reinforced poly(ethylene terephthalate) composites with the incorporation of aluminum hypophosphite and melamine cyanurate. *Composites Part B: Engineering*, **2011**, 42, 1057-1065	10	88
17	Preparation and thermal properties of a novel flame retardant copolymer. *Polymer Degradation and Stability*, **2010**, 95, 830-836	4.7	49
16	An Artificial Neural-network Based Predictive Model for Pre-evacuation Human Response in Domestic Building Fire. *Fire Technology*, **2009**, 45, 431-449	3	24
15	Flame retardancy of rice husk-filled high-density polyethylene ecocomposites. *Composites Science and Technology*, **2009**, 69, 2675-2681	8.6	78
14	Facile preparation and thermal degradation studies of graphite nanoplatelets (GNPs) filled thermoplastic polyurethane (TPU) nanocomposites. *Composites Part A: Applied Science and Manufacturing*, **2009**, 40, 1506-1513	8.4	192
13	A study of natural ventilation in a refuge floor. *Building and Environment*, **2007**, 42, 3322-3332	6.5	18
12	Heat and Mass Transfer in Concrete at Elevated Temperature. *Numerical Heat Transfer; Part A: Applications*, **2007**, 51, 469-494	2.3	9
11	Prediction of temperature and velocity profiles in a single compartment fire by an improved neural network analysis. *Fire Safety Journal*, **2006**, 41, 478-485	3.3	30
10	The influence of gaps of fire-resisting doors on the smoke spread in a building fire. *Fire Safety Journal*, **2006**, 41, 539-546	3.3	17
9	Sensitivity study on three different SN order schemes of the discrete ordinates method for two-compartment enclosure fire. *Fire Safety Journal*, **2005**, 40, 736-744	3.3	2

8	Fusion of GRNN and FA for Online Noisy Data Regression. *Neural Processing Letters*, **2004**, 19, 227-241	2.4	9
7	A novel artificial neural network fire model for prediction of thermal interface location in single compartment fire. *Fire Safety Journal*, **2004**, 39, 67-87	3.3	41
6	Contribution of soot particles on global radiative heat transfer in a two-compartment fire. *Fire Safety Journal*, **2004**, 39, 412-428	3.3	22
5	A hybrid neural network model for noisy data regression. *IEEE Transactions on Systems, Man, and Cybernetics*, **2004**, 34, 951-60		47
4	Views of building surveyors and building services engineers on priority setting of fire safety attributes for building maintenance. *Facilities*, **2000**, 18, 513-523	2.2	12
3	Daylighting Performance in Residential Buildings. *Architectural Science Review*, **1999**, 42, 213-219	2.6	9
2	An Analysis of Daylighting Energy Performance Using Computer Simulation Techniques. *Architectural Science Review*, **1998**, 41, 145-155	2.6	3
1	Flame Retardant Polyurethane Nanocomposites. *ACS Symposium Series*,221-238	0.4	