Anthony Chun Yin Yuen

List of Publications by Year
in descending order

133 papers	4,939 citations
101496 36 h-index	110317 64 g-index
136 all docs	136 docs citations
136 times ranked	3160 citing authors

#	Article	IF	Citations
1	Numerical modeling of wet steam infused fluid mixture for potential fire suppression applications. Experimental and Computational Multiphase Flow, 2023, 5, 142-148.	1.9	3
2	Numerical assessment of LES subgrid-scale turbulence models for expandable particles in fire suppression. Experimental and Computational Multiphase Flow, 2023, 5, 99-110.	1.9	5
3	Numerical investigation of expandable graphite suppression on metal-based fire. Heat and Mass Transfer, 2022, 58, 65-81.	1.2	9
4	Multiphase CFD modelling for enclosure firesâ€"A review on past studies and future perspectives. Experimental and Computational Multiphase Flow, 2022, 4, 1-25.	1.9	13
5	Luteolin-based epoxy resin with exceptional heat resistance, mechanical and flame retardant properties. Chemical Engineering Journal, 2022, 428, 131173.	6.6	106
6	Testing of aluminium composite panels in a cone calorimeter: A new specimen preparation method. Polymer Testing, 2022, 106, 107454.	2.3	6
7	An Investigation towards Coupling Molecular Dynamics with Computational Fluid Dynamics for Modelling Polymer Pyrolysis. Molecules, 2022, 27, 292.	1.7	12
8	Engineering highly graphitic carbon quantum dots by catalytic dehydrogenation and carbonization of Ti3C2Tx-MXene wrapped polystyrene spheres. Carbon, 2022, 190, 319-328.	5.4	49
9	Capturing the flame structure and the transition process of the fire whirl using two combustion kinetic considerations. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, ahead-of-print, .	1.6	0
10	Pyrolysis and combustion characterisation of HDPE/APP composites via molecular dynamics and CFD simulations. Journal of Analytical and Applied Pyrolysis, 2022, 163, 105499.	2.6	9
11	Recent Advances in Zinc Hydroxystannate-Based Flame Retardant Polymer Blends. Polymers, 2022, 14, 2175.	2.0	10
12	Integration of Computational Fluid Dynamics and Artificial Neural Network for Optimization Design of Battery Thermal Management System. Batteries, 2022, 8, 69.	2.1	26
13	Numerical investigation on the thermal management of lithium-ion battery system and cooling effect optimization. Applied Thermal Engineering, 2022, 215, 118966.	3.0	25
14	A novel thermal management system for battery packs in hybrid electrical vehicles utilising waste heat recovery. International Journal of Heat and Mass Transfer, 2022, 195, 123199.	2.5	10
15	Engineering MXene surface with POSS for reducing fire hazards of polystyrene with enhanced thermal stability. Journal of Hazardous Materials, 2021, 401, 123342.	6.5	151
16	Alginate/Polymer-Based Materials for Fire Retardancy: Synthesis, Structure, Properties, and Applications. Polymer Reviews, 2021, 61, 357-414.	5.3	38
17	Characterisation of pyrolysis kinetics and detailed gas species formations of engineering polymers via reactive molecular dynamics (ReaxFF). Journal of Analytical and Applied Pyrolysis, 2021, 153, 104931.	2.6	26
18	Improved flame-retardant properties of polydimethylsiloxane/multi-walled carbon nanotube nanocomposites. Journal of Materials Science, 2021, 56, 2192-2211.	1.7	18

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19	Strain stiffening and positive piezoconductive effect of liquid metal/elastomer soft composites. Composites Science and Technology, 2021, 201, 108497.	3.8	22
20	A novel stochastic approach to study water droplet/flame interaction of water mist systems. Numerical Heat Transfer; Part A: Applications, 2021, 79, 570-593.	1.2	10
21	Broadband Visible Light-Absorbing [70]Fullerene-BODIPY-Triphenylamine Triad: Synthesis and Application as Heavy Atom-Free Organic Triplet Photosensitizer for Photooxidation. Molecules, 2021, 26, 1243.	1.7	6
22	Experimental and numerical perspective on the fire performance of MXene/Chitosan/Phytic acid coated flexible polyurethane foam. Scientific Reports, 2021, 11, 4684.	1.6	24
23	Flame behaviour, fire hazard and fire testing approach for lightweight composite claddings â€" a review. Journal of Structural Fire Engineering, 2021, 12, 257-292.	0.4	11
24	Evaluating the fire risk associated with cladding panels: An overview of fire incidents, policies, and future perspective in fire standards. Fire and Materials, 2021, 45, 663-689.	0.9	27
25	Simulation of competitive and cooperative egress movements on the crowd emergency evacuation. Simulation Modelling Practice and Theory, 2021, 109, 102309.	2.2	15
26	Development of an evacuation model considering the impact of stress variation on evacuees under fire emergency. Safety Science, 2021, 138, 105232.	2.6	24
27	Wet or dry multifunctional coating prepared by visible light polymerisation with fire retardant, thermal protective, and antimicrobial properties. Cellulose, 2021, 28, 8821-8840.	2.4	6
28	Study of structure morphology and layer thickness of Ti3C2 MXene with Small-Angle Neutron Scattering (SANS). Composites Part C: Open Access, 2021, 5, 100155.	1.5	17
29	Surface modification of multi-scale cuprous oxide with tunable catalytic activity towards toxic fumes and smoke suppression of rigid polyurethane foam. Applied Surface Science, 2021, 556, 149792.	3.1	21
30	BODIPY coated on MXene nanosheets for improving mechanical and fire safety properties of ABS resin. Composites Part B: Engineering, 2021, 223, 109130.	5.9	70
31	A Review on Lithium-Ion Battery Separators towards Enhanced Safety Performances and Modelling Approaches. Molecules, 2021, 26, 478.	1.7	49
32	Three-Dimensional Superhydrophobic Hollow Hemispherical MXene for Efficient Water-in-Oil Emulsions Separation. Nanomaterials, 2021, 11, 2866.	1.9	11
33	Peanut Shell Derived Carbon Combined with Nano Cobalt: An Effective Flame Retardant for Epoxy Resin. Molecules, 2021, 26, 6662.	1.7	5
34	Characterisation of soot particle size distribution through population balance approach and soot diagnostic techniques for a buoyant non-premixed flame. Journal of the Energy Institute, 2020, 93, 112-128.	2.7	16
35	MXene/chitosan nanocoating for flexible polyurethane foam towards remarkable fire hazards reductions. Journal of Hazardous Materials, 2020, 381, 120952.	6.5	174
36	Critical assessment on operating water droplet sizes for fire sprinkler and water mist systems. Journal of Building Engineering, 2020, 28, 100999.	1.6	26

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37	Utilising genetic algorithm to optimise pyrolysis kinetics for fire modelling and characterisation of chitosan/graphene oxide polyurethane composites. Composites Part B: Engineering, 2020, 182, 107619.	5.9	51
38	Study of Ignition and Combustion Characteristics of Consecutive Injections with *iso*-Octane and *n*-Heptane as Fuels. Energy & Fuels, 2020, 34, 14741-14756.	2.5	10
39	Rigid axially symmetrical C_{60}-BODIPY triplet photosensitizers: effect of bridge length on singlet oxygen generation. New Journal of Chemistry, 2020, 44, 20419-20427.	1.4	5
40	Spray and Combustion Characteristics of Gasoline-like Fuel under Compression-Ignition Conditions. Energy & Fuels, 2020, 34, 16585-16598.	2.5	6
41	Facile preparation of uniform polydopamine particles and its application as an environmentally friendly flame retardant for biodegradable polylactic acid. Journal of Fire Sciences, 2020, 38, 485-503.	0.9	6
42	Enhanced Fire Safety of Rigid Polyurethane Foam via Synergistic Effect of Phosphorus/Nitrogen Compounds and Expandable Graphite. Molecules, 2020, 25, 4741.	1.7	44
43	Facile Synthesis of Phosphorus and Cobalt Co-Doped Graphitic Carbon Nitride for Fire and Smoke Suppressions of Polylactide Composite. Polymers, 2020, 12, 1106.	2.0	25
44	Capturing the Swirling Vortex and the Impact of Ventilation Conditions on Small-Scale Fire Whirls. Applied Sciences (Switzerland), 2020, 10, 3428.	1.3	5
45	Synergistic effect of flame retardants and graphitic carbon nitride on flame retardancy of polylactide composites. Polymers for Advanced Technologies, 2020, 31, 1661-1670.	1.6	23
46	Characterization of choking flow behaviors inside steam ejectors based on the ejector refrigeration system. International Journal of Refrigeration, 2020, 113, 296-307.	1.8	26
47	Multifunctional MXene/natural rubber composite films with exceptional flexibility and durability. Composites Part B: Engineering, 2020, 188, 107875.	5.9	111
48	Numerical Study of the Comparison of Symmetrical and Asymmetrical Eddy-Generation Scheme on the Fire Whirl Formulation and Evolution. Applied Sciences (Switzerland), 2020, 10, 318.	1.3	6
49	Investigation of door width towards flame tilting behaviours and combustion species in compartment fire scenarios using large eddy simulation. International Journal of Heat and Mass Transfer, 2020, 150, 119373.	2.5	18
50	PDMS/MWCNT nanocomposite films for underwater sound absorption applications. Journal of Materials Science, 2020, 55, 5048-5063.	1.7	27
51	Numerical Study of Surface Regression of a Flame Retarded Expandable Polystrene. Lecture Notes in Civil Engineering, 2020, , 149-158.	0.3	1
52	Nanoparticles of polydopamine for improving mechanical and flame-retardant properties of an epoxy resin. Composites Part B: Engineering, 2020, 186, 107828.	5.9	70
53	Functional cotton fabric using hollow glass microspheres: Focus on thermal insulation, flame retardancy, UV-protection and acoustic performance. Progress in Organic Coatings, 2020, 141, 105553.	1.9	39
54	Flameâ€"Wall Interaction Effects on Diesel Post-injection Combustion and Soot Formation Processes. Energy & Fuels, 2019, 33, 7759-7769.	2.5	20

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55	A Steam Ejector Refrigeration System Powered by Engine Combustion Waste Heat: Part 1. Characterization of the Internal Flow Structure. Applied Sciences (Switzerland), 2019, 9, 4275.	1.3	5
56	Modeling the Response of Magnetorheological Fluid Dampers under Seismic Conditions. Applied Sciences (Switzerland), 2019, 9, 4189.	1.3	15
57	N/S-Co-Doped Porous Carbon Sheets Derived from Bagasse as High-Performance Anode Materials for Sodium-Ion Batteries. Nanomaterials, 2019, 9, 1203.	1.9	17
58	Investigation on Dry Band Arcing Induced Tracking Failure on Nanocomposites of EPDM Matrix. , 2019, , .		1
59	Effects of flame-plane wall impingement on diesel combustion and soot processes. Fuel, 2019, 255, 115726.	3.4	28
60	Influence of Eddy-Generation Mechanism on the Characteristic of On-Source Fire Whirl. Applied Sciences (Switzerland), 2019, 9, 3989.	1.3	11
61	Robust, Lightweight, Hydrophobic, and Fire-Retarded Polyimide/MXene Aerogels for Effective Oil/Water Separation. ACS Applied Materials & Interfaces, 2019, 11, 40512-40523.	4.0	230
62	Functionalization of MXene Nanosheets for Polystyrene towards High Thermal Stability and Flame Retardant Properties. Polymers, 2019, 11, 976.	2.0	93
63	Recent progress in bio-based aerogel absorbents for oil/water separation. Cellulose, 2019, 26, 6449-6476.	2.4	102
64	Flame retardant poly (lactic acid) biocomposites based on azoâ€boron coupled 4,4â€²â€sulfonyldiphenol and its combination with calcium lignosulfonateâ€"Crystalline and mechanical properties. Polymers for Advanced Technologies, 2019, 30, 2207-2220.	1.6	13
65	Computational Study of Wet Steam Flow to Optimize Steam Ejector Efficiency for Potential Fire Suppression Application. Applied Sciences (Switzerland), 2019, 9, 1486.	1.3	18
66	Natural Ventilated Smoke Control Simulation Case Study Using Different Settings of Smoke Vents and Curtains in a Large Atrium. Fire, 2019, 2, 7.	1.2	20
67	Facile flame retardant finishing of cotton fabric with hydrated sodium metaborate. Cellulose, 2019, 26, 4629-4640.	2.4	38
68	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.	2.7	42
69	Fire Risk Assessment of Combustible Exterior Cladding Using a Collective Numerical Database. Fire, 2019, 2, 11.	1.2	44
70	Sensitivity Analysis of Key Parameters for Population Balance Based Soot Model for Low-Speed Diffusion Flames. Energies, 2019, 12, 910.	1.6	8
71	Interface decoration of exfoliated MXene ultra-thin nanosheets for fire and smoke suppressions of thermoplastic polyurethane elastomer. Journal of Hazardous Materials, 2019, 374, 110-119.	6.5	301
72	Pectin-assisted dispersion of exfoliated boron nitride nanosheets for assembled bio-composite aerogels. Composites Part A: Applied Science and Manufacturing, 2019, 119, 196-205.	3.8	29

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73	"Slower is Faster" by Considering of Give-way Evacuation Behavior. , 2019, , .		1
74	A Review of Hydrogen Direct Injection for Internal Combustion Engines: Towards Carbon-Free Combustion. Applied Sciences (Switzerland), 2019, 9, 4842.	1.3	204
75	A Steam Ejector Refrigeration System Powered by Engine Combustion Waste Heat: Part 2. Understanding the Nature of the Shock Wave Structure. Applied Sciences (Switzerland), 2019, 9, 4435.	1.3	7
76	Color-ratio pyrometry methods for flame–wall impingement study. Journal of the Energy Institute, 2019, 92, 1968-1976.	2.7	18
77	Fabrication of Fully Bio-Based Aerogels via Microcrystalline Cellulose and Hydroxyapatite Nanorods with Highly Effective Flame-Retardant Properties. ACS Applied Nano Materials, 2018, 1, 1921-1931.	2.4	32
78	Numerical study of the development and angular speed of a small-scale fire whirl. Journal of Computational Science, 2018, 27, 21-34.	1.5	30
79	Manufacturing, mechanical and flame retardant properties of poly(lactic acid) biocomposites based on calcium magnesium phytate and carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2018, 110, 227-236.	3.8	136
80	The influence of multiwalled carbon nanotubes–NiCoAl layered double hydroxide hybrids on fire safety performance of poly(ethylene‐co‐vinyl acetate) composites. Polymer Composites, 2018, 39, E835.	2.3	9
81	Numerical study of fire spread using the level-set method with large eddy simulation incorporating detailed chemical kinetics gas-phase combustion model. Journal of Computational Science, 2018, 24, 8-23.	1.5	33
82	Surface Manipulation of Thermal-Exfoliated Hexagonal Boron Nitride with Polyaniline for Improving Thermal Stability and Fire Safety Performance of Polymeric Materials. ACS Omega, 2018, 3, 14942-14952.	1.6	37
83	Novel 3D Network Architectured Hybrid Aerogel Comprising Epoxy, Graphene, and Hydroxylated Boron Nitride Nanosheets. ACS Applied Materials & Interfaces, 2018, 10, 40032-40043.	4.0	45
84	Establishing pyrolysis kinetics for the modelling of the flammability and burning characteristics of solid combustible materials. Journal of Fire Sciences, 2018, 36, 494-517.	0.9	39
85	Synthesis of anhydrous manganese hypophosphite microtubes for simultaneous flame retardant and mechanical enhancement on poly(lactic acid). Composites Science and Technology, 2018, 164, 44-50.	3.8	47
86	Study of Morphology and Optical Properties of Gold Nanoparticle Aggregates under Different pH Conditions. Langmuir, 2018, 34, 10340-10352.	1.6	14
87	Predicting the fire spread rate of a sloped pine needle board utilizing pyrolysis modelling with detailed gas-phase combustion. International Journal of Heat and Mass Transfer, 2018, 125, 310-322.	2.5	36
88	Comparative Studies on Thermal, Mechanical, and Flame Retardant Properties of PBT Nanocomposites via Different Oxidation State Phosphorus-Containing Agents Modified Amino-CNTs. Nanomaterials, 2018, 8, 70.	1.9	26
89	Thermal properties of emulsion polymerized polystyrene/α‐type zirconium phosphate/multiwalled carbon nanotubes nanocomposites. Polymer Composites, 2017, 38, E314.	2.3	1
90	Synthesis of phosphorus-containing silane coupling agent for surface modification of glass fibers: Effective reinforcement and flame retardancy in poly(1,4-butylene terephthalate). Chemical Engineering Journal, 2017, 321, 257-267.	6.6	71

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91	Comparison of detailed soot formation models for sooty and non-sooty flames in an under-ventilated ISO room. International Journal of Heat and Mass Transfer, 2017, 115, 717-729.	2.5	39
92	On the influences of key modelling constants of large eddy simulations for large-scale compartment fires predictions. International Journal of Computational Fluid Dynamics, 2017, 31, 324-337.	0.5	32
93	Simultaneous enhancements in the mechanical, thermal stability, and flame retardant properties of poly(1,4-butylene terephthalate) nanocomposites with a novel phosphorus–nitrogen-containing polyhedral oligomeric silsesquioxane. RSC Advances, 2017, 7, 54021-54030.	1.7	20
94	Study on flame retarded flexible polyurethane foam/alumina aerogel composites with improved fire safety. Chemical Engineering Journal, 2017, 311, 310-317.	6.6	82
95	Synthesis of a carbon nanotubes/ZnAl-layered double hydroxide composite as a novel flame retardant for flexible polyurethane foams. Polymers for Advanced Technologies, 2016, 27, 651-656.	1.6	24
96	Study of three LES subgrid-scale turbulence models for predictions of heat and mass transfer in large-scale compartment fires. Numerical Heat Transfer; Part A: Applications, 2016, 69, 1223-1241.	1.2	28
97	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.	4.0	134
98	Facile preparation of modified carbon nanotube–reinforced PBT nanocomposites with enhanced thermal, flame retardancy, and mechanical properties. Polymer Composites, 2016, 37, 1812-1820.	2.3	18
99	Importance of detailed chemical kinetics on combustion and soot modelling of ventilated and under-ventilated fires in compartment. International Journal of Heat and Mass Transfer, 2016, 96, 171-188.	2.5	48
100	Synthesis and characterization of MnO2 nanosheets based multilayer coating and applications as a flame retardant for flexible polyurethane foam. Composites Science and Technology, 2016, 123, 212-221.	3.8	59
101	Fabrication of LDH nanosheets on β-FeOOH rods and applications for improving the fire safety of epoxy resin. Composites Part A: Applied Science and Manufacturing, 2016, 80, 259-269.	3.8	85
102	Synthesis of iron oxides intercalated montmorillonite and α–zirconium phosphate particles and their applications in polystyrene composites. Journal of Applied Polymer Science, 2015, 132, .	1.3	0
103	LES and Multi-Step Chemical Reaction in Compartment Fires. Numerical Heat Transfer; Part A: Applications, 2015, 68, 711-736.	1.2	23
104	Carbon nanotube reinforced polylactide/basalt fiber composites containing aluminium hypophosphite: thermal degradation, flame retardancy and mechanical properties. RSC Advances, 2015, 5, 105869-105879.	1.7	45
105	Effect of Modified Carbon Nanotube on the Thermal Behavior, Flame Retardancy and Mechanical Properties of Poly(1,4-butylene terephthalate)/Aluminum Phosphinate Composites. Industrial & Engineering Chemistry Research, 2014, 53, 18489-18496.	1.8	18
106	Fire scene reconstruction of a furnished compartment room in a house fire. Case Studies in Fire Safety, 2014, 1, 29-35.	1.0	23
107	Fire scene investigation of an arson fire incident using computational fluid dynamics based fire simulation. Building Simulation, 2014, 7, 477-487.	3.0	30
108	Combustion properties and thermal degradation behaviors of biobased polylactide composites filled with calcium hypophosphite. RSC Advances, 2014, 4, 8985.	1.7	78

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109	Studies on the thermal properties of poly(1,4-butylene terephthalate)/microencapsulated ammonium polyphosphate composites. High Performance Polymers, 2014, 26, 884-891.	0.8	1
110	Flame retardancy and thermal property of novel UV-curable epoxy acrylate coatings modified by melamine-based hyperbranched polyphosphonate acrylate. Progress in Organic Coatings, 2014, 77, 94-100.	1.9	27
111	The influence of manganese–cobalt oxide/graphene on reducing fire hazards of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	6.5	88
112	The Importance of Detail Reaction Mechanisms For Temperature Field Predictions in Compartment Fires. , 2014, , .		0
113	Numerical Simulation of a Ceiling Jet Fire in a Large Compartment. Procedia Engineering, 2013, 52, 3-12.	1.2	26
114	Comparative study on the thermal stability, flame retardancy and smoke suppression properties of polystyrene composites containing molybdenum disulfide and graphene. RSC Advances, 2013, 3, 25030.	1.7	84
115	Comparative study on thermal decomposition and combustion behavior of glass–fiber reinforced poly(1,4–butylene terephthalate) composites containing trivalent metal (Al, La, Ce) hypophosphite. Polymer Composites, 2013, 34, 1832-1839.	2.3	14
116	NUMERICAL SIMULATION OF AN ENCLOSURE FIRE IN A LARGE TEST HALL. Computational Thermal Sciences, 2013, 5, 459-471.	0.5	30
117	Preparation and characterization of bio-nanocomposites based on poly(3-hydroxybutyrate-co-4-hydroxybutyrate) and CoAl layered double hydroxide using melt intercalation. Composites Part A: Applied Science and Manufacturing, 2012, 43, 547-552.	3.8	31
118	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.	1.8	15
119	Thermal Degradation and Flame Retardance of Biobased Polylactide Composites Based on Aluminum Hypophosphite. Industrial & Engineering Chemistry Research, 2012, 51, 12009-12016.	1.8	156
120	LARGE EDDY SIMULATION OF FIRE IN A LARGE TEST HALL. , 2012, , .		0
121	Development and Characterization of Fire Retarded Glass-Fiber Reinforced Poly(1,4-butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Chemistry Research, 2011, 50, 11975-11981.	1.8	29
122	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.	3.8	103
123	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.	1.2	38
124	Flame retardancy mechanisms of poly(1,4–butylene terephthalate) containing microencapsulated ammonium polyphosphate and melamine cyanurate. Polymers for Advanced Technologies, 2011, 22, 2136-2144.	1.6	20
125	Effect of organo–modified montmorillonite on flame retardant poly(1,4–butylene terephthalate) composites. Polymers for Advanced Technologies, 2011, 22, 2564-2570.	1.6	24
126	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.	5.9	107

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127	Quantitative Electrophoretic Study of the Modification of Sperm Plasma Membrane by the Ampullary Gland in the Golden Hamster. Archives of Andrology, 1995, 34, 53-61.	1.0	4
128	Electrophoretic Modification of Sperm Plasma Membrane by Ventral Prostate Secretion in Golden Hamsters. Archives of Andrology, 1995, 35, 13-20.	1.0	2
129	Development of Wall-Adapting Local Eddy Viscosity Model for Study of Fire Dynamics in a Large Compartment. Applied Mechanics and Materials, 0, 444-445, 1579-1591.	0.2	0
130	Numerical Study on Small-Scale Fire Whirl using Large Eddy Simulation. , 0, , .		2
131	A systematic approach to formulate numerical kinetics for furnishing materials fire simulation with validation procedure using cone/FT-IR data. Heat and Mass Transfer, 0, , 1.	1.2	5
132	A multiphase approach for pyrolysis modelling of polymeric materials. Experimental and Computational Multiphase Flow, 0, , 1.	1.9	3
133	Flame Retardant Polyurethane Nanocomposites. ACS Symposium Series, 0, , 221-238.	0.5	0