

# Qiang Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

743  
citations

516710

16  
h-index

552781

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

759  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review of the methods and applications of microscale combustion calorimetry for material flammability assessment. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6001-6013.	3.6	11
2	Developing an artificial intelligent model for predicting combustion and flammability properties. <i>Fire and Materials</i> , 2022, 46, 830-842.	2.0	3
3	Insight into chemical reaction kinetics effects on thermal ablation of charring material. <i>Thermal Science</i> , 2022, 26, 529-543.	1.1	1
4	Wood Dust Flammability Analysis by Microscale Combustion Calorimetry. <i>Polymers</i> , 2022, 14, 45.	4.5	3
5	Testing bioplastic containing functionalised biochar. <i>Polymer Testing</i> , 2022, 113, 107657.	4.8	6
6	A transient heat flux sensor based on the transverse Seebeck effect of single crystal Bi <sub>2</sub> Te <sub>3</sub> . Measurement: <i>Journal of the International Measurement Confederation</i> , 2022, 198, 111419.	5.0	3
7	Demystifying Low-Carbon Materials. <i>Materials Circular Economy</i> , 2021, 3, 1.	3.2	6
8	Fire Behavior of Wood-Based Composite Materials. <i>Polymers</i> , 2021, 13, 4352.	4.5	13
9	Experimental and theoretical study on thermal kinetics and reactive mechanism of nitrocellulose pyrolysis by traditional multi kinetics and modeling reconstruction. <i>Journal of Hazardous Materials</i> , 2020, 386, 121645.	12.4	59
10	Model reference adaptive tracking control for hydraulic servo systems with nonlinear neural-networks. <i>ISA Transactions</i> , 2020, 100, 396-404.	5.7	33
11	A Review on the Flammability Properties of Carbon-Based Polymeric Composites: State-of-the-Art and Future Trends. <i>Polymers</i> , 2020, 12, 1518.	4.5	53
12	The Flame Retardancy of Polyethylene Composites: From Fundamental Concepts to Nanocomposites. <i>Molecules</i> , 2020, 25, 5157.	3.8	46
13	Pyrolysis Kinetic Study and Reaction Mechanism of Epoxy Glass Fiber Reinforced Plastic by Thermogravimetric Analyzer (TG) and TG-FTIR (Fourier-Transform Infrared) Techniques. <i>Polymers</i> , 2020, 12, 2739.	4.5	27
14	The Effect of Carbon Black on the Properties of Plasticised Wheat Gluten Biopolymer. <i>Molecules</i> , 2020, 25, 2279.	3.8	14
15	Pyrolytic Kinetics of Polystyrene Particle in Nitrogen Atmosphere: Particle Size Effects and Application of Distributed Activation Energy Method. <i>Polymers</i> , 2020, 12, 421.	4.5	19
16	Application of Adaptive Neuro-Fuzzy Inference System in Flammability Parameter Prediction. <i>Polymers</i> , 2020, 12, 122.	4.5	39
17	The need for fully bio-based facemasks to counter coronavirus outbreaks: A perspective. <i>Science of the Total Environment</i> , 2020, 736, 139611.	8.0	131
18	Correlation analysis of cone calorimetry and microscale combustion calorimetry experiments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 589-599.	3.6	31

#	ARTICLE	IF	CITATIONS
19	Evaluate the flammability of a PU foam with double-scale analysis. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3329-3337.	3.6	5
20	Comparative evaluation of the predictability of neural network methods on the flammability characteristics of extruded polystyrene from microscale combustion calorimetry. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3055-3064.	3.6	20
21	Generalized regression and feed forward back propagation neural networks in modelling flammability characteristics of polymethyl methacrylate (PMMA). Thermochimica Acta, 2018, 667, 79-92.	2.7	31
22	Discuss the heat release capacity of polymer derived from microscale combustion calorimeter. Journal of Thermal Analysis and Calorimetry, 2018, 133, 649-657.	3.6	22
23	Influence of fiberglass mesh on flammability of EPS used as insulation of buildings. Thermal Science, 2018, 22, 1025-1036.	1.1	0
24	Compare the flammability of two extruded polystyrene foams with micro-scale combustion calorimeter and cone calorimeter tests. Journal of Thermal Analysis and Calorimetry, 2017, 127, 2359-2366.	3.6	30
25	Adaptive Repetitive Control of Hydraulic Load Simulator With RISE Feedback. IEEE Access, 2017, 5, 23901-23911.	4.2	25
26	The melt/shrink effect of low density thermoplastics insulates: Cone calorimeter tests. Thermal Science, 2017, 21, 2177-2187.	1.1	1
27	A PMMA flammability analysis using the MCC. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1831-1840.	3.6	6
28	Extended state observer based nonlinear adaptive robust control of hydraulic load simulator. , 2016, , .		1
29	Fire safety evaluation of expanded polystyrene foam by multi-scale methods. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1651-1660.	3.6	32
30	Analysis of the relationship between MCC and thermal analysis results in evaluating flammability of EPS foam. Journal of Thermal Analysis and Calorimetry, 2014, 118, 687-693.	3.6	14
31	Correlation analysis of cone calorimetry test data assessment of the procedure with tests of different polymers. Journal of Thermal Analysis and Calorimetry, 2012, 110, 65-70.	3.6	41
32	Time to flashover of a vinyl based lining material: Cone calorimeter experiments. Thermal Science, 2011, 15, 785-792.	1.1	7
33	Suppress flashover of GRP fire with water mist inside ISO 9705 Room. Thermal Science, 2011, 15, 353-366.	1.1	3
34	Total heat flux on the wall: Bench scale wood crib fires tests. Thermal Science, 2010, 14, 283-290.	1.1	7