

Paul Joseph

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,804
citations

279798

23
h-index

265206

42
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56
all docs

56
docs citations

56
times ranked

2141
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of phosphorus- and nitrogen- containing groups on the thermal stability and combustion characteristics of styrenic polymers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2023, 148, 229-241.	3.6	4
2	Some recent developments and testing strategies relating to the passive fire protection of concrete using intumescent coatings: a review. <i>Journal of Structural Fire Engineering</i> , 2022, ahead-of-print, .	0.8	2
3	Thermal and Calorimetric Investigations of Some Phosphorus-Modified Chain Growth Polymers 2: Polystyrene. <i>Polymers</i> , 2022, 14, 1520.	4.5	0
4	Thermal and Calorimetric Investigations of Some Phosphorus-Modified Chain Growth Polymers 1: Polymethyl Methacrylate. <i>Polymers</i> , 2022, 14, 1447.	4.5	1
5	Effects of Initial Surface Evaporation on the Performance of Fly Ash-Based Geopolymer Paste at Elevated Temperatures. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 364.	2.5	2
6	Biobased Carbon Fiber Composites with Enhanced Flame Retardancy: A Cradle-to-Cradle Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1059-1069.	6.7	20
7	Incorporation of technical, human and organizational risks in a dynamic probabilistic fire risk model for high-rise residential buildings. <i>Fire and Materials</i> , 2021, 45, 779-810.	2.0	4
8	Passive fire protection of wood using some bio-derived fire retardants. <i>Fire Safety Journal</i> , 2021, 120, 103074.	3.1	14
9	Sensitivity and Uncertainty Analyses of Human and Organizational Risks in Fire Safety Systems for High-Rise Residential Buildings with Probabilistic T-H-O-Risk Methodology. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2590.	2.5	4
10	In-Situ Isothermal Crystallization of Poly(l-lactide). <i>Polymers</i> , 2021, 13, 3377.	4.5	5
11	Mode of Action of Condensed- and Gaseous-Phase Fire Retardation in Some Phosphorus-Modified Polymethyl Methacrylate- and Polystyrene-Based Bulk Polymers. <i>Polymers</i> , 2021, 13, 3402.	4.5	6
12	Passive Fire Protection of Taeda pine Wood by Using Starch-Based Surface Coatings. <i>Polymers</i> , 2021, 13, 3841.	4.5	1
13	A Study of the Residual Strength of Reactive Powder-Based Geopolymer Concrete under Elevated Temperatures. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11834.	2.5	3
14	Bioimaging of C2C12 Muscle Myoblasts Using Fluorescent Carbon Quantum Dots Synthesized from Bread. <i>Nanomaterials</i> , 2020, 10, 1575.	4.1	5
15	Mechanistic Aspects of Condensed- and Gaseous-Phase Activities of Some Phosphorus-Containing Fire Retardants. <i>Polymers</i> , 2020, 12, 1801.	4.5	7
16	A Kinetic Analysis of the Thermal Degradation Behaviours of Some Bio-Based Substrates. <i>Polymers</i> , 2020, 12, 1830.	4.5	9
17	Reactive and Additive Modifications of Styrenic Polymers with Phosphorus-Containing Compounds and Their Effects on Fire Retardance. <i>Molecules</i> , 2020, 25, 3779.	3.8	14
18	Impact of Technical, Human, and Organizational Risks on Reliability of Fire Safety Systems in High-Rise Residential Buildings – Applications of an Integrated Probabilistic Risk Assessment Model. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8918.	2.5	5

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19	A Review of Lithium-Ion Battery Fire Suppression. <i>Energies</i> , 2020, 13, 5117.	3.1	69
20	Thermal and Calorimetric Evaluations of Some Chemically Modified Carbohydrate-Based Substrates with Phosphorus-Containing Groups. <i>Polymers</i> , 2020, 12, 588.	4.5	7
21	A Study of the Thermal Degradation and Combustion Characteristics of Some Materials Commonly Used in the Construction Sector. <i>Polymers</i> , 2019, 11, 1833.	4.5	9
22	Thermal Degradation and Fire Properties of Fungal Mycelium and Mycelium - Biomass Composite Materials. <i>Scientific Reports</i> , 2018, 8, 17583.	3.3	87
23	Thermal and Calorimetric Evaluations of Polyacrylonitrile Containing Covalently-Bound Phosphonate Groups. <i>Polymers</i> , 2018, 10, 131.	4.5	19
24	A study of the effect of thickness on the thermal degradation and flammability characteristics of some composite materials using a cone calorimeter. <i>Journal of Fire Sciences</i> , 2017, 35, 547-564.	2.0	15
25	Structural studies of thermally stable, combustion-resistant polymer composites. <i>Polymer Journal</i> , 2017, 49, 711-719.	2.7	11
26	Passive fire protection of ligno-cellulosic substrates using environmentally-friendly formulations. <i>Materials Today: Proceedings</i> , 2017, 4, 5282-5289.	1.8	3
27	An experimental study of the thermal performance of a novel intumescent fire protection coating. <i>Fire Safety Journal</i> , 2017, 92, 132-141.	3.1	27
28	Techniques for Assessing the Combustion Behaviour of Polymeric Materials: Some Current Perspectives and Future Directions. <i>Macromolecular Symposia</i> , 2016, 362, 105-118.	0.7	10
29	Microplasma Processed Ultrathin Boron Nitride Nanosheets for Polymer Nanocomposites with Enhanced Thermal Transport Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13567-13572.	8.0	82
30	Experimental and modelling studies on the kinetics and mechanisms of thermal degradation of polymethyl methacrylate in nitrogen and air. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 423-433.	5.5	44
31	Melt-Flow Behaviours of Thermoplastic Materials under Fire Conditions: Recent Experimental Studies and Some Theoretical Approaches. <i>Materials</i> , 2015, 8, 8793-8803.	2.9	25
32	Modeling the Pyrolysis and Combustion Behaviors of Non-Charring and Intumescent-Protected Polymers Using "FiresCone". <i>Polymers</i> , 2015, 7, 1979-1997.	4.5	16
33	An "electronic nose" as a potential device for fire detection of forest product fire loads in enclosures. <i>Wood Material Science and Engineering</i> , 2015, 10, 130-144.	2.3	8
34	Pyrolysis Combustion Flow Calorimetry Studies on Some Reactively Modified Polymers. <i>Polymers</i> , 2015, 7, 453-467.	4.5	28
35	Production of reduced graphene oxide via hydrothermal reduction in an aqueous sulphuric acid suspension and its electrochemical behaviour. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 361-380.	2.5	78
36	Oxygen reduction reaction by electrochemically reduced graphene oxide. <i>Faraday Discussions</i> , 2014, 173, 415-428.	3.2	77

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37	A three-dimensional Mn ₃ O ₄ network supported on a nitrogenated graphene electrocatalyst for efficient oxygen reduction reaction in alkaline media. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14493-14501.	10.3	120
38	A comparative study of the effects of chemical additives on the suppression efficiency of water mist. <i>Fire Safety Journal</i> , 2013, 58, 221-225.	3.1	56
39	Mechanistic Aspects of Flame Retardation by Phosphorus-Containing Groups in Some Chain Growth Polymers. <i>ACS Symposium Series</i> , 2012, , 37-50.	0.5	1
40	Characterization of cellulosic wastes and gasification products from chicken farms. <i>Waste Management</i> , 2012, 32, 701-709.	7.4	20
41	Combustion behaviours of chemically modified polyacrylonitrile polymers containing phosphorylamino groups. <i>Polymer Degradation and Stability</i> , 2012, 97, 2531-2535.	5.8	36
42	CHARACTERISTICS OF CHEMICALLY MODIFIED AND NANOCOMPOSITE POLYMERS AS NOVEL FUELS FOR HYBRID ROCKET PROPULSION. <i>International Journal of Energetic Materials and Chemical Propulsion</i> , 2012, 11, 549-566.	0.3	2
43	Reactive modifications of some chain- and step-growth polymers with phosphorus-containing compounds: effects on flame retardance—a review. <i>Polymers for Advanced Technologies</i> , 2011, 22, 395-406.	3.2	98
44	Polymer Combustion as a Basis for Hybrid Propulsion: A Comprehensive Review and New Numerical Approaches. <i>Energies</i> , 2011, 4, 1779-1839.	3.1	17
45	The influence of comonomers on the degradation and flammability of polyacrylonitrile: Design input for a new generation of flame retardants. <i>Polymer Degradation and Stability</i> , 2010, 95, 2260-2268.	5.8	28
46	Sustainable Non-Metallic Building Materials. <i>Sustainability</i> , 2010, 2, 400-427.	3.2	84
47	Phosphorus-Based Flame Retardants. , 2009, , 107-127.		8
48	Effect of different compatibilisers on nanoclay dispersion, thermal stability, and burning behavior of polypropylene/nanoclay blends. <i>Journal of Applied Polymer Science</i> , 2008, 108, 816-824.	2.6	43
49	Thermal degradation analysis and XRD characterisation of fibre-forming synthetic polypropylene containing nanoclay. <i>Polymer Degradation and Stability</i> , 2007, 92, 727-732.	5.8	52
50	Flame-retarding effects of dialkyl-p-vinylbenzyl phosphonates in copolymers with acrylonitrile. <i>Polymer International</i> , 2006, 55, 764-771.	3.1	56
51	Thermal degradation and flammability characteristics of some polystyrenes and poly(methyl methacrylate)s with covalently bound phosphorus-containing groups: initial screening experiments and some laser pyrolysis mechanistic studies. <i>Polymer Degradation and Stability</i> , 2004, 83, 181-185.	5.8	29
52	Flame retardance of poly(methyl methacrylate) modified with phosphorus-containing compounds. <i>Polymer Degradation and Stability</i> , 2002, 77, 227-233.	5.8	142
53	Flame retarding poly(methyl methacrylate) with phosphorus-containing compounds: comparison of an additive with a reactive approach. <i>Polymer Degradation and Stability</i> , 2001, 74, 441-447.	5.8	79
54	Flame retardance in some polystyrenes and poly(methyl methacrylate)s with covalently bound phosphorus-containing groups: initial screening experiments and some laser pyrolysis mechanistic studies. <i>Polymer Degradation and Stability</i> , 2000, 69, 267-277.	5.8	129

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55	Thermal degradation and flame retardance in copolymers of methyl methacrylate with diethyl(methacryloyloxymethyl)phosphonate. <i>Polymer Degradation and Stability</i> , 2000, 70, 425-436.	5.8	80
56	Flexible and Ultrahigh Through-Plane Thermally-Conductive Polyethylene/Boron Nitride Nanocomposite Films. <i>Macromolecular Materials and Engineering</i> , 0, , 2100695.	3.6	3