Zhengping Fang

List of Publications by Year
in descending order

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236	11,162	22153	39675
papers	citations	59 h-index	94 g-index

236	236	236	6529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of exfoliated graphene-based polypropylene nanocomposites with enhanced mechanical and thermal properties. Polymer, 2011, 52, 4001-4010.	3.8	552
2	Phosphorus-containing flame retardant epoxy thermosets: Recent advances and future perspectives. Progress in Polymer Science, 2021, 114, 101366.	24.7	421
3	Flame retardant polymeric nanocomposites through the combination of nanomaterials and conventional flame retardants. Progress in Materials Science, 2020, 114, 100687.	32.8	415
4	Improved flame resistance and thermo-mechanical properties of epoxy resin nanocomposites from functionalized graphene oxide via self-assembly in water. Composites Part B: Engineering, 2019, 165, 406-416.	12.0	308
5	Functionalizing Carbon Nanotubes by Grafting on Intumescent Flame Retardant: Nanocomposite Synthesis, Morphology, Rheology, and Flammability. Advanced Functional Materials, 2008, 18, 414-421.	14.9	230
6	Effect of a novel phosphorousâ€“nitrogen containing intumescent flame retardant on the fire retardancy and the thermal behaviour of poly(butylene terephthalate). Polymer Degradation and Stability, 2006, 91, 1295-1299.	5.8	209
7	Effect of graphene nanosheets on morphology, thermal stability and flame retardancy of epoxy resin. Composites Science and Technology, 2014, 90, 40-47.	7.8	208
8	Green and Scalable Fabrication of Coreâ€“Shell Biobased Flame Retardants for Reducing Flammability of Polylactic Acid. ACS Sustainable Chemistry and Engineering, 2019, 7, 8954-8963.	6.7	192
9	A novel intumescent flame retardant: Synthesis and application in ABS copolymer. Polymer Degradation and Stability, 2007, 92, 720-726.	5.8	191
10	Coreâ€“Shell Bioderived Flame Retardants Based on Chitosan/Alginate Coated Ammonia Polyphosphate for Enhancing Flame Retardancy of Polylactic Acid. ACS Sustainable Chemistry and Engineering, 2020, 8, 6402-6412.	6.7	174
11	A highly fire-safe and smoke-suppressive single-component epoxy resin with switchable curing temperature and rapid curing rate. Composites Part B: Engineering, 2021, 207, 108601.	12.0	170
12	Bioinspired Design of Strong, Tough, and Thermally Stable Polymeric Materials via Nanoconfinement. ACS Nano, 2018, 12, 9266-9278.	14.6	157
13	A bio-based ionic complex with different oxidation states of phosphorus for reducing flammability and smoke release of epoxy resins. Composites Communications, 2020, 17, 104-108.	6.3	155
14	Flame-retardant, transparent, mechanically-strong and tough epoxy resin enabled by high-efficiency multifunctional boron-based polyphosphonamide. Chemical Engineering Journal, 2022, 427, 131578.	12.7	153
15	Flame-retardant-wrapped carbon nanotubes for simultaneously improving the flame retardancy and mechanical properties of polypropylene. Journal of Materials Chemistry, 2008, 18, 5083.	6.7	146
16	Synergistic effect of carbon nanotube and clay for improving the flame retardancy of ABS resin. Nanotechnology, 2007, 18, 375602.	2.6	144
17	Chitosan/Phytic Acid Polyelectrolyte Complex: A Green and Renewable Intumescent Flame Retardant System for Ethyleneâ€“Vinyl Acetate Copolymer. Industrial & Engineering Chemistry Research, 2014, 53, 19199-19207.	3.7	142
18	A hyperbranched P/N/B-containing oligomer as multifunctional flame retardant for epoxy resins. Composites Part B: Engineering, 2022, 234, 109701.	12.0	140

#	Article	IF	Citations
19	A molecularly engineered bioderived polyphosphate for enhanced flame retardant, UV-blocking and mechanical properties of poly(lactic acid). Chemical Engineering Journal, 2021, 411, 128493.	12.7	134
20	Construction of flame retardant nanocoating on ramie fabric via layer-by-layer assembly of carbon nanotube and ammonium polyphosphate. Nanoscale, 2013, 5, 3013.	5.6	127
21	The study of fibre/matrix bond strength in short hemp polypropylene composites from dynamic mechanical analysis. Composites Part B: Engineering, 2014, 62, 19-28.	12.0	124
22	Synthesis of decorated graphene with P, N-containing compounds and its flame retardancy and smoke suppression effects on polylactic acid. Composites Part B: Engineering, 2019, 170, 41-50.	12.0	123
23	Effect of amino-functionalization of multi-walled carbon nanotubes on the dispersion with epoxy resin matrix. Journal of Applied Polymer Science, 2006, 100, 97-104.	2.6	117
24	A facile way to prepare phosphorus-nitrogen-functionalized graphene oxide for enhancing the flame retardancy of epoxy resin. Composites Communications, 2018, 10, 97-102.	6.3	115
25	Transparent, highly thermostable and flame retardant polycarbonate enabled by rod-like phosphorous-containing metal complex aggregates. Chemical Engineering Journal, 2021, 409, 128223.	12.7	109
26	Thermal degradation and flame retardancy properties of ABS/lignin: Effects of lignin content and reactive compatibilization. Thermochimica Acta, 2011, 518, 59-65.	2.7	108
27	Intumescent flame retardant-montmorillonite synergism in ABS nanocomposites. Applied Clay Science, 2008, 42, 238-245.	5.2	103
28	Synergistic flame retardancy effect of graphene nanosheets and traditional retardants on epoxy resin. Composites Part A: Applied Science and Manufacturing, 2016, 89, 26-32.	7.6	103
29	Fabrication of dendrimer-like fullerene (C60)-decorated oligomeric intumescent flame retardant for reducing the thermal oxidation and flammability of polypropylene nanocomposites. Journal of Materials Chemistry, 2009, 19, 1305.	6.7	102
30	Effects of carbon nanotubes on the thermal stability and flame retardancy of intumescent flame-retarded polypropylene. Polymer Degradation and Stability, 2011, 96, 1725-1731.	5.8	88
31	Thermal degradation behavior of multi-walled carbon nanotubes/polyamide 6 composites. Polymer Degradation and Stability, 2006, 91, 2046-2052.	5.8	82
32	Effects of metal chelates on a novel oligomeric intumescent flame retardant system for polypropylene. Journal of Analytical and Applied Pyrolysis, 2008, 82, 286-291.	5.5	82
33	Permeability, Viscoelasticity, and Flammability Performances and Their Relationship to Polymer Nanocomposites. Industrial & Engineering Chemistry Research, 2012, 51, 7255-7263.	3.7	82
34	A phosphorus-, nitrogen- and carbon-containing polyelectrolyte complex: preparation, characterization and its flame retardant performance on polypropylene. RSC Advances, 2014, 4, 48285-48292.	3.6	81
35	Superior flame retardancy of epoxy resin by the combined addition of graphene nanosheets and DOPO. RSC Advances, 2016, 6, 5288-5295.	3.6	81
36	Polypropylene nanocomposites based on C60-decorated carbon nanotubes: thermal properties, flammability, and mechanical properties. Journal of Materials Chemistry, 2011, 21, 7782.	6.7	80

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37	Effect of multi-walled carbon nanotubes on non-isothermal crystallization kinetics of polyamide 6. European Polymer Journal, 2006, 42, 3230-3235.	5.4	77
38	C₆₀reduces the flammability of polypropylene nanocomposites byin situforming a gelled-ball network. Nanotechnology, 2008, 19, 225707.	2.6	77
39	Controlled Formation of Self-Extinguishing Intumescent Coating on Ramie Fabric via Layer-by-Layer Assembly. Industrial & Engineering Chemistry Research, 2013, 52, 6138-6146.	3.7	77
40	Green and Facile Synthesis of Bio-Based, Flame-Retardant, Latent Imidazole Curing Agent for Single-Component Epoxy Resin. ACS Applied Polymer Materials, 2022, 4, 3564-3574.	4.4	76
41	Flame retarded polymer nanocomposites: Development, trend and future perspective. Science China Chemistry, 2011, 54, 302-313.	8.2	75
42	Fabrication of fullerene-decorated carbon nanotubes and their application in flame-retarding polypropylene. Nanoscale, 2009, 1, 118.	5.6	73
43	Preparation of sub-micrometer porous membrane from chitosan/polyethylene glycol semi-IPN. Journal of Membrane Science, 2004, 245, 95-102.	8.2	72
44	Synthesis of a novel oligomeric intumescent flame retardant and its application in polypropylene. Polymer Engineering and Science, 2009, 49, 1326-1331.	3.1	72
45	Novel preparation and mechanical properties of rigid polyurethane foam/organoclay nanocomposites. Journal of Applied Polymer Science, 2007, 106, 439-447.	2.6	71
46	Effects of Reactive Compatibilization on the Morphological, Thermal, Mechanical, and Rheological Properties of Intumescent Flame-Retardant Polypropylene. ACS Applied Materials & Interfaces, 2009, 1, 452-459.	8.0	71
47	Thermal degradation and flame retardancy of polypropylene/C60 nanocomposites. Thermochimica Acta, 2008, 473, 106-108.	2.7	70
48	Flame retardant mechanism of organo-bentonite in polypropylene. Applied Clay Science, 2009, 45, 178-184.	5.2	70
49	Studies of ABS-graft-maleic anhydride/clay nanocomposites: Morphologies, thermal stability and flammability properties. Polymer Degradation and Stability, 2006, 91, 2951-2959.	5.8	68
50	Effects of organo-clay and sodium dodecyl sulfonate intercalated layered double hydroxide on thermal and flame behaviour of intumescent flame retarded polypropylene. Polymer Degradation and Stability, 2009, 94, 1979-1985.	5.8	66
51	The effects of irradiation cross-linking on the thermal degradation and flame-retardant properties of the HDPE/EVA/magnesium hydroxide composites. Radiation Physics and Chemistry, 2009, 78, 922-926.	2.8	66
52	A novel hyperbranched phosphorus-boron polymer for transparent, flame-retardant, smoke-suppressive, robust yet tough epoxy resins. Composites Part B: Engineering, 2021, 227, 109395.	12.0	66
53	Clay network in ABS-graft-MAH nanocomposites: Rheology and flammability. Polymer Degradation and Stability, 2007, 92, 1439-1445.	5.8	65
54	The effects of the variations of carbon nanotubes on the micro-tribological behavior of carbon nanotubes/bismaleimide nanocomposite. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1957-1964.	7.6	63

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55	Layer by layer deposition of polyethylenimine and bio-based polyphosphate on ammonium polyphosphate: A novel hybrid for simultaneously improving the flame retardancy and toughness of polylactic acid. Polymer, 2017, 108, 361-371.	3.8	63
56	Synthesis of an intrinsically flame retardant bio-based benzoxazine resin. Polymer, 2016, 97, 418-427.	3.8	62
57	Synergistic effects of expandable graphite and ammonium polyphosphate with a new carbon source derived from biomass in flame retardant ABS. Journal of Applied Polymer Science, 2013, 128, 2424-2432.	2.6	61
58	The preparation of layered double hydroxide wrapped carbon nanotubes and their application as a flame retardant for polypropylene. Nanotechnology, 2010, 21, 315603.	2.6	60
59	Effect of graphene nanosheets and layered double hydroxides on the flame retardancy and thermal degradation of epoxy resin. RSC Advances, 2014, 4, 18652-18659.	3.6	60
60	Polymorphism of nylon-6 in multiwalled carbon nanotubes/nylon-6 composites. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1499-1512.	2.1	59
61	Carbon nanotube bridged cerium phenylphosphonate hybrids, fabrication and their effects on the thermal stability and flame retardancy of the HDPE/BFR composite. Journal of Materials Chemistry A, 2014, 2, 2999.	10.3	59
62	Isothermal crystallization kinetics and melting behavior of multiwalled carbon nanotubes/polyamide-6 composites. Journal of Applied Polymer Science, 2007, 105, 3531-3542.	2.6	58
63	Lubrication Effect of the Paraffin Oil Filled with Functionalized Multiwalled Carbon Nanotubes for Bismaleimide Resin. Tribology Letters, 2011, 42, 59-65.	2.6	57
64	Synthesis and carbonization chemistry of a phosphorousâ€“nitrogen based intumescent flame retardant. Thermochimica Acta, 2012, 543, 130-136.	2.7	56
65	How nanoâ€fillers affect thermal stability and flame retardancy of intumescent flame retarded polypropylene. Polymers for Advanced Technologies, 2011, 22, 1139-1146.	3.2	55
66	Synthesis of a highly efficient phosphorus-containing flame retardant utilizing plant-derived diphenolic acids and its application in polylactic acid. RSC Advances, 2016, 6, 49019-49027.	3.6	55
67	Diphenolic acid based biphosphate on the properties of polylactic acid: Synthesis, fire behavior and flame retardant mechanism. Polymer, 2017, 108, 29-37.	3.8	53
68	Deposition growth of Zr-based MOFs on cerium phenylphosphonate lamella towards enhanced thermal stability and fire safety of polycarbonate. Composites Part B: Engineering, 2020, 197, 108064.	12.0	53
69	Novel method of preparing microporous membrane by selective dissolution of chitosan/polyethylene glycol blend membrane. Journal of Applied Polymer Science, 2004, 91, 2840-2847.	2.6	52
70	Effect of clay on the morphology of binary blends of polyamide 6 with high density polyethylene and HDPE-graft-acrylic acid. Polymer Engineering and Science, 2007, 47, 551-559.	3.1	52
71	Location of a nanoclay at the interface in an immiscible poly(Îµâ€caprolactone)/poly(ethylene oxide) blend and its effect on the compatibility of the components. Journal of Applied Polymer Science, 2007, 106, 3125-3135.	2.6	51
72	A Zr-based metal organic frameworks towards improving fire safety and thermal stability of polycarbonate. Composites Part B: Engineering, 2019, 176, 107198.	12.0	50

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73	â€œEx situâ€•concept for toughening the RTMable BMI matrix composites, Part I: Improving the interlaminar fracture toughness. Journal of Applied Polymer Science, 2008, 109, 1625-1634.	2.6	48
74	Flame retarding and reinforcing modification of ramie/polybenzoxazine composites by surface treatment of ramie fabric. Composites Science and Technology, 2015, 121, 82-88.	7.8	47
75	Toughening of cyanate ester resin by carboxyl terminated nitrile rubber. Polymers for Advanced Technologies, 2004, 15, 628-631.	3.2	43
76	Functionalization of Carbon Nanotubes by Coronaâ€Discharge Induced Graft Polymerization for the Reinforcement of Epoxy Nanocomposites. Plasma Processes and Polymers, 2010, 7, 785-793.	3.0	43
77	Mechanism of enhancement of intumescent fire retardancy by metal acetates in polypropylene. Polymer Degradation and Stability, 2017, 136, 139-145.	5.8	43
78	Effect of morphology on the electric conductivity of binary polymer blends filled with carbon black. Journal of Applied Polymer Science, 2007, 106, 2008-2017.	2.6	42
79	A novel zinc chelate complex containing both phosphorus and nitrogen for improving the flame retardancy of low density polyethylene. Journal of Analytical and Applied Pyrolysis, 2011, 92, 339-346.	5.5	41
80	Thermal and thermo-oxidative degradation of high density polyethylene/fullerene composites. Polymer Degradation and Stability, 2013, 98, 1953-1962.	5.8	40
81	Synthesis of a novel polyphosphate and its application with APP in flame retardant PLA. RSC Advances, 2018, 8, 4483-4493.	3.6	40
82	The effect of morphology on the optical properties of transparent epoxy/montmorillonite composites. Polymer International, 2004, 53, 85-91.	3.1	37
83	Effects of layered lanthanum phenylphosphonate on flame retardancy of glass-fiber reinforced poly(ethylene terephthalate) nanocomposites. Applied Clay Science, 2013, 77-78, 10-17.	5.2	37
84	Superhydrophobic and conductive properties of carbon nanotubes/polybenzoxazine nanocomposites coated ramie fabric prepared by solution-immersion process. Applied Surface Science, 2014, 309, 218-224.	6.1	37
85	Water governs the mechanical properties of poly(vinyl alcohol). Polymer, 2021, 213, 123330.	3.8	37
86	Recent advances in fireâ€retardant carbonâ€based polymeric nanocomposites through fighting free radicals. SusMat, 2022, 2, 411-434.	14.9	37
87	Effect of clay dispersion on the synergism between clay and intumescent flame retardants in polystyrene. Journal of Applied Polymer Science, 2010, 115, 777-783.	2.6	36
88	Effect of Lignin Incorporation and Reactive Compatibilization on the Morphological, Rheological, and Mechanical Properties of ABS Resin. Journal of Macromolecular Science - Physics, 2012, 51, 720-735.	1.0	36
89	Synthesis of Zinc Phosphonated Poly(ethylene imine) and Its Fire-Retardant Effect in Low-Density Polyethylene. Industrial & Engineering Chemistry Research, 2015, 54, 3247-3256.	3.7	36
90	Fabrication and Mechanism Study of Cerium-Based P, N-Containing Complexes for Reducing Fire Hazards of Polycarbonate with Superior Thermostability and Toughness. ACS Applied Materials & Interfaces, 2021, 13, 30061-30075.	8.0	36

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91	Preferential melt intercalation of clay in ABS/brominated epoxy resinâ€“antimony oxide (BERâ€“AO) nanocomposites and its synergistic effect on thermal degradation and combustion behavior. Polymer Degradation and Stability, 2006, 91, 1972-1979.	5.8	35
92	Thermal degradation and flammability properties of HDPE/EVA/C60 nanocomposites. Thermochimica Acta, 2010, 506, 98-101.	2.7	35
93	Improving dispersion of multiwalled carbon nanotubes in polyamide 6 composites through aminoâ€functionalization. Journal of Applied Polymer Science, 2007, 106, 2898-2906.	2.6	34
94	Cross-linking of a novel reactive polymeric intumescent flame retardant to ABS copolymer and its flame retardancy properties. Polymer Degradation and Stability, 2012, 97, 1596-1605.	5.8	34
95	Interface nanoengineering of a core-shell structured biobased fire retardant for fire-retarding polylactide with enhanced toughness and UV protection. Journal of Cleaner Production, 2022, 336, 130372.	9.3	34
96	Synthesis of cerium phenylphosphonate and its synergistic flame retardant effect with decabromodiphenyl oxide in glassâ€fiber reinforced poly(ethylene terephthalate). Polymer Composites, 2014, 35, 539-547.	4.6	33
97	Outlook on ecologically improved composites for aviation interior and secondary structures. CEAS Aeronautical Journal, 2018, 9, 533-543.	1.7	33
98	Fabrication of 9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide-decorated fullerene to improve the anti-oxidative and flame-retardant properties of polypropylene. Composites Part B: Engineering, 2020, 183, 107672.	12.0	33
99	In situ compatibilization of polystyrene/polyolefin elastomer blends by the Friedel-Crafts alkylation reaction. Polymer International, 2005, 54, 1647-1652.	3.1	32
100	Effect of microencapsulated curing agents on the curing behavior for diglycidyl ether of bisphenol A epoxy resin systems. Journal of Applied Polymer Science, 2008, 107, 1661-1669.	2.6	32
101	Influence of fullerenes on the thermal and flameâ€retardant properties of polymeric materials. Journal of Applied Polymer Science, 2020, 137, 47538.	2.6	32
102	Highly fibrillated and intrinsically flame-retardant nanofibrillated cellulose for transparent mineral filler-free fire-protective coatings. Chemical Engineering Journal, 2021, 419, 129440.	12.7	32
103	A phosphorus/silicon-based, hyperbranched polymer for high-performance, fire-safe, transparent epoxy resins. Polymer Degradation and Stability, 2022, 203, 110065.	5.8	32
104	Investigation of free volume, interfacial, and toughening behavior for cyanate ester/bentonite nanocomposites by positron annihilation. Journal of Applied Polymer Science, 2006, 102, 1509-1515.	2.6	31
105	â€œCutting effectâ€•of organoclay platelets in compatibilizing immiscible polypropylene/polystyrene blends. Journal of Zhejiang University: Science A, 2008, 9, 1614-1620.	2.4	31
106	Synthesis of Three Novel Intumescent Flame Retardants Having Azomethine Linkages and Their Applications in EVA Copolymer. Industrial & Engineering Chemistry Research, 2012, 51, 11059-11065.	3.7	31
107	Char barrier effect of graphene nanoplatelets on the flame retardancy and thermal stability of highâ€density polyethylene flameâ€retarded by brominated polystyrene. Journal of Applied Polymer Science, 2014, 131, .	2.6	31
108	Sulfonated Block Ionomers Enable Transparent, Fire-Resistant, Tough yet Strong Polycarbonate. Chemical Engineering Journal, 2022, 433, 133264.	12.7	31

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109	Preparation of glass fiber-supported platinum complex catalyst for hydrosilylation reactions. Catalysis Communications, 2008, 9, 1092-1095.	3.3	30
110	Novel modification of cyanate ester by epoxidized polysiloxane. Journal of Applied Polymer Science, 2007, 105, 2020-2026.	2.6	28
111	Modification of ramie fabric with a metalâ€ionâ€doped flameâ€retardant coating. Journal of Applied Polymer Science, 2013, 129, 2986-2997.	2.6	28
112	Study on phase dispersion-crosslinking synergism in binary blends of poly(vinyl chloride) with low density polyethylene. Polymer, 1997, 38, 155-158.	3.8	27
113	On promoting intercalation and exfoliation of bentonite in high-density polyethylene by grafting acrylic acid. Journal of Applied Polymer Science, 2005, 96, 2429-2434.	2.6	27
114	Biodegradable aliphatic/aromatic copoly(ester-ether)s: the effect of poly(ethylene glycol) on physical properties and degradation behavior. Journal of Polymer Research, 2011, 18, 187-196.	2.4	27
115	Improving the flameâ€retardant efficiency of aluminum hydroxide with fullerene for highâ€density polyethylene. Journal of Applied Polymer Science, 2017, 134, .	2.6	27
116	Synthesis of phospholipidated Î²â€cyclodextrin and its application for flameâ€retardant poly(lactic acid) with ammonium polyphosphate. Journal of Applied Polymer Science, 2018, 135, 46054.	2.6	27
117	Synthesis, Curing, and Thermal Stability of Low-Temperature-Cured Benzoxazine Resins Based on Natural Renewable Resources. ACS Applied Polymer Materials, 2021, 3, 3392-3401.	4.4	27
118	Effect of Friedelâ€“Crafts reaction on the thermal stability and flammability of highâ€density polyethylene/brominated polystyrene/graphene nanoplatelet composites. Polymer International, 2014, 63, 1835-1841.	3.1	26
119	Combination of a bio-based polyphosphonate and modified graphene oxide toward superior flame retardant polylactic acid. RSC Advances, 2018, 8, 4304-4313.	3.6	26
120	Fabrication of fullerene-decorated graphene oxide and its influence on flame retardancy of high density polyethylene. Composites Science and Technology, 2016, 129, 123-129.	7.8	25
121	Degradation and thermal properties of in situ compatibilized PS/POE blends. Polymer Degradation and Stability, 2007, 92, 545-551.	5.8	24
122	On the flameproof treatment of ramie fabrics using a spray-assisted layer-by-layer technique. Polymer Degradation and Stability, 2015, 121, 11-17.	5.8	24
123	Electric conductivity of PS/PA6/carbon black composites. Journal of Applied Polymer Science, 2007, 103, 1042-1047.	2.6	23
124	Surface-modifiers of clay on mechanical properties of rigid polyurethane foams/organoclay nanocomposites. Journal of Applied Polymer Science, 2007, 105, 2988-2995.	2.6	23
125	Polystyrene/CaCO₃ composites with different CaCO₃ radius and different nanoâ€CaCO₃ contentâ€”structure and properties. Polymer Composites, 2010, 31, 1258-1264.	4.6	23
126	Flame-Retarding Modification for Ramie/Benzoxazine Laminates and the Mechanism Study. Industrial & Engineering Chemistry Research, 2014, 53, 19961-19969.	3.7	23

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127	The effect of fullerene on the resistance to thermal degradation of polymers with different degradation processes. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1235-1244.	3.6	23
128	Construction of multilayer coatings for flame retardancy of ramie fabric using layerâ€byâ€layer assembly. Journal of Applied Polymer Science, 2017, 134, 45556.	2.6	23
129	In situ crosslinking and its synergism with compatibilization in polyvinyl chloride/polyethylene blends. Polymer, 1997, 38, 131-133.	3.8	22
130	Toughening of Polystyrene with Ethylene-Propylene-Diene Terpolymer(EPDM) Compatibilized by Styrene-Butadiene-Styrene Block Copolymer(SBS). Macromolecular Materials and Engineering, 2004, 289, 743-748.	3.6	22
131	Biodegradable aliphatic/aromatic copolyesters based on terephthalic acid and poly(L-lactic acid): Synthesis, characterization and hydrolytic degradation. Chinese Journal of Polymer Science (English) Tj ETQq1 1 0.784314 rgBT /Overlock	3.8	22
132	Thermal Stability and Rheological Behaviors of High-Density Polyethylene/Fullerene Nanocomposites. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	22
133	Fabrication of flame retardant benzoxazine semiâ€biocomposites reinforced by ramie fabrics with bioâ€based flame retardant coating. Polymer Composites, 2018, 39, E480.	4.6	22
134	Carboxylâ€terminated butadieneâ€“acrylonitrile rubber modified cyanate ester resin. Journal of Applied Polymer Science, 2007, 106, 3098-3104.	2.6	21
135	Polypropylene/clay nanocomposites prepared by in situ graftingâ€melt intercalation with a novel cointercalating monomer. Journal of Applied Polymer Science, 2008, 110, 616-623.	2.6	21
136	Relationship between the distribution of organoâ€montmorillonite and the flammability of flame retardant polypropylene. Polymer Engineering and Science, 2012, 52, 390-398.	3.1	21
137	Synthesis and performance of three flame retardant additives containing diethyl phosphite/phenyl phosphonic moieties. Fire Safety Journal, 2013, 61, 185-192.	3.1	21
138	Synergistic flame retardant mechanism of lanthanum phenylphosphonate and decabromodiphenyl oxide in polycarbonate. Polymer Composites, 2019, 40, 986-999.	4.6	21
139	Flame retardancy and chemical degradation of epoxy containing phenylphosphonate group under mild conditions. Composites Part B: Engineering, 2022, 239, 109967.	12.0	21
140	Influence of fullerene on the kinetics of thermal and thermo-oxidative degradation of high-density polyethylene by capturing free radicals. Journal of Thermal Analysis and Calorimetry, 2013, 114, 1287-1294.	3.6	20
141	Flammability characterization and effects of magnesium oxide in halogen-free flame-retardant EVA blends. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1683-1690.	3.8	20
142	Improvement of the Impact Damage Resistance of BMI/Graphite Laminates by the Ex-situ Method. High Performance Polymers, 2006, 18, 907-917.	1.8	18
143	Exâ€situ concept for toughening the RTMable BMI matrix composites. II. Improving the compression after impact. Journal of Applied Polymer Science, 2008, 108, 2211-2217.	2.6	18
144	The flame retardant and smoke suppression effect of fullerene by trapping radicals in decabromodiphenyl oxide/Sb₂O₃ flameâ€retarded high density polyethylene. Fire and Materials, 2017, 41, 916-924.	2.0	18

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145	Novel full bio-based phloroglucinol benzoxazine resin: Synthesis, curing reaction and thermal stability. Polymer, 2020, 200, 122534.	3.8	18
146	Governing effects of melt viscosity on fire performances of polylactide and its fire-retardant systems. IScience, 2022, 25, 103950.	4.1	18
147	Flame retardant epoxy resin toughened and strengthened by a reactive compatibilizer. Polymer, 2022, 248, 124798.	3.8	18
148	Study on the structure and properties of cyanate ester/bentonite nanocomposites. Journal of Applied Polymer Science, 2005, 96, 632-637.	2.6	17
149	Effect of multi-walled carbon nanotubes dispersity on the light transmittancy of multi-walled carbon nanotubes/epoxy composites. Polymer Engineering and Science, 2006, 46, 635-642.	3.1	17
150	Electron beam irradiated HDPE/EVA/Mg(OH)2 composites for flame-retardant electric cables. Frontiers of Materials Science in China, 2008, 2, 426-429.	0.5	17
151	Influence of interfacial adhesion on stress-strain properties of highly filled polyethylene. Angewandte Makromolekulare Chemie, 1999, 265, 1-4.	0.2	16
152	Application of phase dispersion-crosslinking synergism on recycling commingled plastic wastes. Journal of Applied Polymer Science, 2001, 82, 2947-2952.	2.6	16
153	Structure and properties of multiwalled carbon nanotubes/cyanate ester composites. Polymer Engineering and Science, 2006, 46, 670-679.	3.1	16
154	Combination of doubleâ€modified clay and polypropyleneâ€graftâ€maleic anhydride for the simultaneously improved thermal and mechanical properties of polypropylene. Journal of Applied Polymer Science, 2013, 128, 283-291.	2.6	16
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