

Bin Yu

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

11,056
citations

20817

60
h-index

30087

103
g-index

118
all docs

118
docs citations

118
times ranked

5376
citing authors

#	ARTICLE	IF	CITATIONS
1	A reactive copper-organophosphate-MXene heterostructure enabled antibacterial, self-extinguishing and mechanically robust polymer nanocomposites. <i>Chemical Engineering Journal</i> , 2022, 430, 132712.	12.7	64
2	Surface decoration of Halloysite nanotubes with POSS for fire-safe thermoplastic polyurethane nanocomposites. <i>Journal of Materials Science and Technology</i> , 2022, 101, 107-117.	10.7	96
3	Leaf vein-inspired engineering of MXene@SrSn(OH) ₆ nanorods towards super-tough elastomer nanocomposites with outstanding fire safety. <i>Composites Part B: Engineering</i> , 2022, 228, 109425.	12.0	33
4	Construction of interface-engineered two-dimensional nanohybrids towards superb fire resistance of epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 152, 106707.	7.6	30
5	A lava-inspired micro/nano-structured ceramifiable organic-inorganic hybrid fire-extinguishing coating. <i>Matter</i> , 2022, 5, 911-932.	10.0	96
6	Bio-inspired, sustainable and mechanically robust graphene oxide-based hybrid networks for efficient fire protection and warning. <i>Chemical Engineering Journal</i> , 2022, 439, 134516.	12.7	81
7	Fire Intumescent, High-Temperature Resistant, Mechanically Flexible Graphene Oxide Network for Exceptional Fire Shielding and Ultra-Fast Fire Warning. <i>Nano-Micro Letters</i> , 2022, 14, 92.	27.0	79
8	Cost-effective graphite felt and phosphorous flame retardant with extremely high electromagnetic shielding. <i>Composites Part B: Engineering</i> , 2022, 236, 109819.	12.0	34
9	High-performance flame-retardant polycarbonate composites: Mechanisms investigation and fire-safety evaluation systems establishment. <i>Composites Part B: Engineering</i> , 2022, 238, 109873.	12.0	58
10	The influence of poorly-/well-dispersed organo-montmorillonite on interfacial compatibility, fire retardancy and smoke suppression of polypropylene/intumescent flame retardant composite system. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 367-377.	9.4	21
11	Elastic polybenzimidazole nanofiber aerogel for thermal insulation and high-temperature oil adsorption. <i>Journal of Materials Science</i> , 2022, 57, 12125-12137.	3.7	3
12	Hierarchical Ti ₃ C ₂ T _x @BPA@PCL for flexible polyurethane foam capable of anti-compression, self-extinguishing and flame-retardant. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 208-220.	9.4	15
13	A triazine-based hyperbranched char-forming agent for efficient intumescent flame retardant Poly(lactic acid) composites. <i>Composites Communications</i> , 2022, 33, 101225.	6.3	12
14	Flexible and fire safe sandwich structured composites with superior electromagnetic interference shielding properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 160, 107070.	7.6	41
15	Engineering MXene surface with POSS for reducing fire hazards of polystyrene with enhanced thermal stability. <i>Journal of Hazardous Materials</i> , 2021, 401, 123342.	12.4	151
16	Surface treatment of two dimensional MXene for poly(vinylidene fluoride) nanocomposites with tunable dielectric permittivity. <i>Composites Communications</i> , 2021, 23, 100562.	6.3	33
17	Experimental and numerical perspective on the fire performance of MXene/Chitosan/Phytic acid coated flexible polyurethane foam. <i>Scientific Reports</i> , 2021, 11, 4684.	3.3	24
18	Phosphorus-containing flame retardant epoxy thermosets: Recent advances and future perspectives. <i>Progress in Polymer Science</i> , 2021, 114, 101366.	24.7	421

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19	Bioinspired, Highly Adhesive, Nanostructured Polymeric Coatings for Superhydrophobic Fire-Extinguishing Thermal Insulation Foam. <i>ACS Nano</i> , 2021, 15, 11667-11680.	14.6	195
20	Study of structure morphology and layer thickness of Ti ₃ C ₂ MXene with Small-Angle Neutron Scattering (SANS). <i>Composites Part C: Open Access</i> , 2021, 5, 100155.	3.2	17
21	MXene as emerging nanofillers for high-performance polymer composites: A review. <i>Composites Part B: Engineering</i> , 2021, 217, 108867.	12.0	161
22	Surface modification of multi-scale cuprous oxide with tunable catalytic activity towards toxic fumes and smoke suppression of rigid polyurethane foam. <i>Applied Surface Science</i> , 2021, 556, 149792.	6.1	21
23	Facile preparation of phosphorus containing hyperbranched polysiloxane grafted graphene oxide hybrid toward simultaneously enhanced flame retardancy and smoke suppression of thermoplastic polyurethane nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 150, 106614.	7.6	43
24	Functionalizing MXene towards highly stretchable, ultratough, fatigue- and fire-resistant polymer nanocomposites. <i>Chemical Engineering Journal</i> , 2021, 424, 130338.	12.7	130
25	Facile synthesis of aluminum branched oligo(phenylphosphonate) submicro-particles with enhanced flame retardance and smoke toxicity suppression for epoxy resin composites. <i>Journal of Hazardous Materials</i> , 2020, 381, 121233.	12.4	47
26	MXene/chitosan nanocoating for flexible polyurethane foam towards remarkable fire hazards reductions. <i>Journal of Hazardous Materials</i> , 2020, 381, 120952.	12.4	174
27	Insight into Hyper-Branched Aluminum Phosphonate in Combination with Multiple Phosphorus Synergies for Fire-Safe Epoxy Resin Composites. <i>Polymers</i> , 2020, 12, 64.	4.5	9
28	Controlled self-template synthesis of manganese-based cuprous oxide nanoplates towards improved fire safety properties of epoxy composites. <i>Journal of Hazardous Materials</i> , 2020, 387, 122006.	12.4	14
29	Superior thermal and fire safety performances of epoxy-based composites with phosphorus-doped cerium oxide nanosheets. <i>Applied Surface Science</i> , 2020, 504, 144314.	6.1	46
30	Surface modification of ammonium polyphosphate by supramolecular assembly for enhancing fire safety properties of polypropylene. <i>Composites Part B: Engineering</i> , 2020, 181, 107588.	12.0	106
31	Facile preparation of uniform polydopamine particles and its application as an environmentally friendly flame retardant for biodegradable polylactic acid. <i>Journal of Fire Sciences</i> , 2020, 38, 485-503.	2.0	6
32	Creating MXene/reduced graphene oxide hybrid towards highly fire safe thermoplastic polyurethane nanocomposites. <i>Composites Part B: Engineering</i> , 2020, 203, 108486.	12.0	145
33	Facile Synthesis of Phosphorus and Cobalt Co-Doped Graphitic Carbon Nitride for Fire and SmokeSuppressions of Polylactide Composite. <i>Polymers</i> , 2020, 12, 1106.	4.5	25
34	Polyphosphoramidate-intercalated MXene for simultaneously enhancing thermal stability, flame retardancy and mechanical properties of polylactide. <i>Chemical Engineering Journal</i> , 2020, 397, 125336.	12.7	207
35	Interface engineering of MXene towards super-tough and strong polymer nanocomposites with high ductility and excellent fire safety. <i>Chemical Engineering Journal</i> , 2020, 399, 125829.	12.7	226
36	A facile one-step synthesis of highly efficient melamine salt reactive flame retardant for epoxy resin. <i>Journal of Materials Science</i> , 2020, 55, 12836-12847.	3.7	70

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37	Synergistic effect of flame retardants and graphitic carbon nitride on flame retardancy of polylactide composites. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1661-1670.	3.2	23
38	Integrated effect of NH ₂ -functionalized/triazine based covalent organic framework black phosphorus on reducing fire hazards of epoxy nanocomposites. <i>Chemical Engineering Journal</i> , 2020, 401, 126058.	12.7	55
39	Lignin-derived bio-based flame retardants toward high-performance sustainable polymeric materials. <i>Green Chemistry</i> , 2020, 22, 2129-2161.	9.0	249
40	Multifunctional MXene/natural rubber composite films with exceptional flexibility and durability. <i>Composites Part B: Engineering</i> , 2020, 188, 107875.	12.0	111
41	Biomimetic structural cellulose nanofiber aerogels with exceptional mechanical, flame-retardant and thermal-insulating properties. <i>Chemical Engineering Journal</i> , 2020, 389, 124449.	12.7	163
42	Flame retardant polymeric nanocomposites through the combination of nanomaterials and conventional flame retardants. <i>Progress in Materials Science</i> , 2020, 114, 100687.	32.8	415
43	Surface-coating engineering for flame retardant flexible polyurethane foams: A critical review. <i>Composites Part B: Engineering</i> , 2019, 176, 107185.	12.0	163
44	Strengthening, toughening and thermally stable ultra-thin MXene nanosheets/polypropylene nanocomposites via nanoconfinement. <i>Chemical Engineering Journal</i> , 2019, 378, 122267.	12.7	191
45	Simultaneous fire safety enhancement and mechanical reinforcement of poly(lactic acid) biocomposites with hexaphenyl (nitrilotris(ethane-2,1-diyl))tris(phosphoramidate). <i>Journal of Hazardous Materials</i> , 2019, 380, 120856.	12.4	43
46	Alumina nanoflake-coated graphene nanohybrid as a novel flame retardant filler for polypropylene. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2153-2158.	3.2	11
47	Hierarchical assembly of polystyrene/graphitic carbon nitride/reduced graphene oxide nanocomposites toward high fire safety. <i>Composites Part B: Engineering</i> , 2019, 179, 107541.	12.0	51
48	Highly Effective Flame-Retardant Rigid Polyurethane Foams: Fabrication and Applications in Inhibition of Coal Combustion. <i>Polymers</i> , 2019, 11, 1776.	4.5	36
49	Robust, Lightweight, Hydrophobic, and Fire-Retarded Polyimide/MXene Aerogels for Effective Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40512-40523.	8.0	230
50	Facile preparation of layered melamine-phytate flame retardant via supramolecular self-assembly technology. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 364-371.	9.4	116
51	Functionalization of MXene Nanosheets for Polystyrene towards High Thermal Stability and Flame Retardant Properties. <i>Polymers</i> , 2019, 11, 976.	4.5	93
52	Highly efficient flame retardant and smoke suppression mechanism of boron modified graphene Oxide/Poly(Lactic acid) nanocomposites. <i>Carbon</i> , 2019, 150, 8-20.	10.3	91
53	Flame retardant poly (lactic acid) biocomposites based on azo-boron coupled 4,4'-sulfonyldiphenol and its combination with calcium lignosulfonate-Crystalline and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2207-2220.	3.2	13
54	Synthesis of a multifunctional bisphosphate and its flame retardant application in epoxy resin. <i>Polymer Degradation and Stability</i> , 2019, 165, 92-100.	5.8	30

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55	A novel phosphorus-containing MoS ₂ hybrid: Towards improving the fire safety of epoxy resin. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 210-219.	9.4	37
56	In situ fabrication of molybdenum disulfide based nanohybrids for reducing fire hazards of epoxy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 122, 77-84.	7.6	34
57	Facile flame retardant finishing of cotton fabric with hydrated sodium metaborate. <i>Cellulose</i> , 2019, 26, 4629-4640.	4.9	38
58	Thermal, crystalline and mechanical properties of flame retarded Poly(lactic acid) with a PBO-like small molecule - Phenylphosphonic Bis(2-aminobenzothiazole). <i>Polymer Degradation and Stability</i> , 2019, 163, 76-86.	5.8	42
59	Interface decoration of exfoliated MXene ultra-thin nanosheets for fire and smoke suppressions of thermoplastic polyurethane elastomer. <i>Journal of Hazardous Materials</i> , 2019, 374, 110-119.	12.4	301
60	Pectin-assisted dispersion of exfoliated boron nitride nanosheets for assembled bio-composite aerogels. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 119, 196-205.	7.6	29
61	Electrostatic-Interaction-Driven Assembly of Binary Hybrids towards Fire-Safe Epoxy Resin Nanocomposites. <i>Polymers</i> , 2019, 11, 229.	4.5	10
62	Sodium alginate-templated synthesis of g-C ₃ N ₄ /carbon spheres/Cu ternary nanohybrids for fire safety application. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 1-10.	9.4	51
63	Design of reduced graphene oxide decorated with DOPO-phosphanomidate for enhanced fire safety of epoxy resin. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 160-171.	9.4	157
64	A combination of POSS and polyphosphazene for reducing fire hazards of epoxy resin. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1242-1254.	3.2	53
65	Manufacturing, mechanical and flame retardant properties of poly(lactic acid) biocomposites based on calcium magnesium phytate and carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 110, 227-236.	7.6	136
66	Synthesis and application of synergistic azo-boron-BPA / polydopamine as efficient flame retardant for poly(lactic acid). <i>Polymer Degradation and Stability</i> , 2018, 152, 64-74.	5.8	45
67	A novel boron-nitrogen intumescent flame retardant coating on cotton with improved washing durability. <i>Cellulose</i> , 2018, 25, 843-857.	4.9	64
68	Surface Manipulation of Thermal-Exfoliated Hexagonal Boron Nitride with Polyaniline for Improving Thermal Stability and Fire Safety Performance of Polymeric Materials. <i>ACS Omega</i> , 2018, 3, 14942-14952.	3.5	37
69	Establishing pyrolysis kinetics for the modelling of the flammability and burning characteristics of solid combustible materials. <i>Journal of Fire Sciences</i> , 2018, 36, 494-517.	2.0	39
70	Advances in Flame Retardant Poly(Lactic Acid). <i>Polymers</i> , 2018, 10, 876.	4.5	70
71	Synthesis of anhydrous manganese hypophosphite microtubes for simultaneous flame retardant and mechanical enhancement on poly(lactic acid). <i>Composites Science and Technology</i> , 2018, 164, 44-50.	7.8	47
72	Highly efficient catalysts for reducing toxic gases generation change with temperature of rigid polyurethane foam nanocomposites: A comparative investigation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 142-154.	7.6	47

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73	Synthesis of MnO ₂ nanoparticles with different morphologies and application for improving the fire safety of epoxy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 95, 173-182.	7.6	72
74	Highly Effective P-S Synergy of a Novel DOPO-Based Flame Retardant for Epoxy Resin. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1245-1255.	3.7	176
75	Economical and environment-friendly synthesis of a novel hyperbranched poly(aminomethylphosphine) Tj ETQq1 1 0.784314 rgBT /O temperature and toughness of epoxy resins. <i>Chemical Engineering Journal</i> , 2017, 322, 618-631.	12.7	169
76	In situ preparation of reduced graphene oxide/DOPO-based phosphoramidate hybrids towards high-performance epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2017, 123, 154-164.	12.0	142
77	Graphitic carbon nitride/phosphorus-rich aluminum phosphinates hybrids as smoke suppressants and flame retardants for polystyrene. <i>Journal of Hazardous Materials</i> , 2017, 332, 87-96.	12.4	179
78	Flame-retardant-wrapped polyphosphazene nanotubes: A novel strategy for enhancing the flame retardancy and smoke toxicity suppression of epoxy resins. <i>Journal of Hazardous Materials</i> , 2017, 325, 327-339.	12.4	223
79	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. <i>Chemical Engineering Journal</i> , 2017, 309, 802-814.	12.7	164
80	Thermal exfoliation of hexagonal boron nitride for effective enhancements on thermal stability, flame retardancy and smoke suppression of epoxy resin nanocomposites via sol-gel process. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7330-7340.	10.3	346
81	Phosphorus and Nitrogen-Containing Polyols: Synergistic Effect on the Thermal Property and Flame Retardancy of Rigid Polyurethane Foam Composites. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10813-10822.	3.7	150
82	Enhanced fire-retardancy of poly(ethylene vinyl acetate) electrical cable coatings containing microencapsulated ammonium polyphosphate as intumescent flame retardant. <i>RSC Advances</i> , 2016, 6, 85564-85573.	3.6	25
83	Facile Synthesis of a Highly Efficient, Halogen-Free, and Intumescent Flame Retardant for Epoxy Resins: Thermal Properties, Combustion Behaviors, and Flame-Retardant Mechanisms. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10868-10879.	3.7	86
84	Study on thermal degradation and combustion behavior of flame retardant unsaturated polyester resin modified with a reactive phosphorus containing monomer. <i>RSC Advances</i> , 2016, 6, 49633-49642.	3.6	44
85	POSS-functionalized polyphosphazene nanotube: preparation and effective reinforcement on UV-curable epoxy acrylate nanocomposite coatings. <i>RSC Advances</i> , 2016, 6, 3025-3031.	3.6	20
86	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. <i>Composites Part B: Engineering</i> , 2015, 79, 277-284.	12.0	54
87	Preparation of layered graphitic carbon nitride/montmorillonite nanohybrids for improving thermal stability of sodium alginate nanocomposites. <i>RSC Advances</i> , 2015, 5, 11761-11765.	3.6	10
88	Click-chemistry approach for graphene modification: effective reinforcement of UV-curable functionalized graphene/polyurethane acrylate nanocomposites. <i>RSC Advances</i> , 2015, 5, 13502-13506.	3.6	21
89	Enhanced thermal and flame retardant properties of flame-retardant-wrapped graphene/epoxy resin nanocomposites. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8034-8044.	10.3	371
90	Hyper-branched polymer grafting graphene oxide as an effective flame retardant and smoke suppressant for polystyrene. <i>Journal of Hazardous Materials</i> , 2015, 300, 58-66.	12.4	122

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91	Tunable thermal, flame retardant and toxic effluent suppression properties of polystyrene based on alternating graphitic carbon nitride and multi-walled carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17064-17073.	10.3	61
92	Fabrication of carbon black coated flexible polyurethane foam for significantly improved fire safety. <i>RSC Advances</i> , 2015, 5, 55870-55878.	3.6	21
93	Effect of Functionalized Graphene Oxide with Organophosphorus Oligomer on the Thermal and Mechanical Properties and Fire Safety of Polystyrene. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3309-3319.	3.7	34
94	Novel CuCo ₂ O ₄ /graphitic carbon nitride nanohybrids: Highly effective catalysts for reducing CO generation and fire hazards of thermoplastic polyurethane nanocomposites. <i>Journal of Hazardous Materials</i> , 2015, 293, 87-96.	12.4	125
95	Thermal and flame retardant properties of transparent UV-curing epoxy acrylate coatings with POSS-based phosphonate acrylate. <i>RSC Advances</i> , 2015, 5, 75254-75262.	3.6	33
96	Sandwichlike Coating Consisting of Alternating Montmorillonite and \hat{I}^2 -FeOOH for Reducing the Fire Hazard of Flexible Polyurethane Foam. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3214-3223.	6.7	49
97	Preparation of UV-curable functionalized phosphazene-containing nanotube/polyurethane acrylate nanocomposite coatings with enhanced thermal and mechanical properties. <i>RSC Advances</i> , 2015, 5, 73775-73782.	3.6	9
98	Cyclodextrin microencapsulated ammonium polyphosphate: Preparation and its performance on the thermal, flame retardancy and mechanical properties of ethylene vinyl acetate copolymer. <i>Composites Part B: Engineering</i> , 2015, 69, 22-30.	12.0	87
99	The effect of metal oxide decorated graphene hybrids on the improved thermal stability and the reduced smoke toxicity in epoxy resins. <i>Chemical Engineering Journal</i> , 2014, 250, 214-221.	12.7	109
100	Functionalization of graphene with grafted polyphosphamide for flame retardant epoxy composites: synthesis, flammability and mechanism. <i>Polymer Chemistry</i> , 2014, 5, 1145-1154.	3.9	190
101	Influence of g-C ₃ N ₄ Nanosheets on Thermal Stability and Mechanical Properties of Biopolymer Electrolyte Nanocomposite Films: A Novel Investigation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 429-437.	8.0	159
102	Functionalized graphene oxide/phosphoramidate oligomer hybrids flame retardant prepared via in situ polymerization for improving the fire safety of polypropylene. <i>RSC Advances</i> , 2014, 4, 31782.	3.6	184
103	Functionalized graphene/thermoplastic polyester elastomer nanocomposites by reactive extrusion-based masterbatch: preparation and properties reinforcement. <i>Polymers for Advanced Technologies</i> , 2014, 25, 605-612.	3.2	20
104	Aluminum hypophosphite in combination with expandable graphite as a novel flame retardant system for rigid polyurethane foams. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1034-1043.	3.2	67
105	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. <i>Materials Chemistry and Physics</i> , 2014, 143, 1243-1252.	4.0	168
106	Comparative study on the flame retarded efficiency of melamine phosphate, melamine phosphite and melamine hypophosphite on poly(butylene succinate) composites. <i>Polymer Degradation and Stability</i> , 2014, 105, 248-256.	5.8	85
107	Novel organic-inorganic flame retardants containing exfoliated graphene: preparation and their performance on the flame retardancy of epoxy resins. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6822.	10.3	163
108	CuO/Graphene Nanohybrids: Preparation and Enhancement on Thermal Stability and Smoke Suppression of Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13654-13660.	3.7	58

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109	Unsaturated polyester resins modified with phosphorus-containing groups: Effects on thermal properties and flammability. <i>Polymer Degradation and Stability</i> , 2013, 98, 2033-2040.	5.8	59
110	Silicon nanoparticle decorated graphene composites: preparation and their reinforcement on the fire safety and mechanical properties of polyurea. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9827.	10.3	65
111	Self-assembly of Ni ²⁺ /Fe layered double hydroxide/graphene hybrids for reducing fire hazard in epoxy composites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4383.	10.3	227
112	Enhanced thermal and mechanical properties of functionalized graphene/thiol-ene systems by photopolymerization technology. <i>Chemical Engineering Journal</i> , 2013, 228, 318-326.	12.7	91
113	Synthesis of a Novel Triazine-Based Hyperbranched Char Foaming Agent and the Study of Its Enhancement on Flame Retardancy and Thermal Stability of Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17015-17022.	3.7	41
114	A novel polyurethane prepolymer as toughening agent: Preparation, characterization, and its influence on mechanical and flame retardant properties of phenolic foam. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2720-2728.	2.6	62
115	UV-Curable Functionalized Graphene Oxide/Polyurethane Acrylate Nanocomposite Coatings with Enhanced Thermal Stability and Mechanical Properties. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 14629-14636.	3.7	104
116	Comparative study on the synergistic effect of POSS and graphene with melamine phosphate on the flame retardance of poly(butylene succinate). <i>Thermochimica Acta</i> , 2012, 543, 156-164.	2.7	92
117	Effect of borates on thermal degradation and flame retardancy of epoxy resins using polyhedral oligomeric silsesquioxane as a curing agent. <i>Thermochimica Acta</i> , 2012, 535, 71-78.	2.7	63