

Intumescent fire-retardant systems

Polymer Degradation and Stability

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Parameters affecting fire retardant effectiveness in intumescent systems. <i>Polymer Degradation and Stability</i> , 1989, 25, 277-292. | 2.7 | 48 |
| 2 | Thermal degradation of pentaerythritol diphosphate, model compound for fire retardant intumescent systems: Part I—Overall thermal degradation. <i>Polymer Degradation and Stability</i> , 1990, 27, 285-296. | 2.7 | 103 |
| 3 | Fire retardance of polypropylene by diammonium pyrophosphate-pentaerythritol: Spectroscopic characterization of the protective coatings. <i>Polymer Degradation and Stability</i> , 1990, 30, 41-56. | 2.7 | 27 |
| 4 | Investigation of phosphorus-containing foam-forming systems as combustion retardants for polypropylene. <i>Polymer Science USSR</i> , 1991, 33, 544-550. | 0.2 | 4 |
| 5 | Overview of fire retardant mechanisms. <i>Polymer Degradation and Stability</i> , 1991, 33, 131-154. | 2.7 | 212 |
| 6 | A Review of Phosphorus-Containing Flame Retardants. <i>Journal of Fire Sciences</i> , 1992, 10, 470-487. | 0.9 | 149 |
| 7 | Evaluation of polymer combustion and fire retardance by using thermography. <i>Fire and Materials</i> , 1993, 17, 125-129. | 0.9 | 8 |
| 12 | FIRE RETARDANT POLYMERIC MATERIALS. , 1993, , 461-494. | | 6 |
| 13 | Bench-scale evaluations and mechanistic studies of intumescent/fire-protective coatings for polyvinyl chloride nitrile rubber. <i>Fire and Materials</i> , 1994, 18, 277-287. | 0.9 | 3 |
| 14 | Structure-property relationships in intumescent fire-retardant derivatives of 4-hydroxymethyl-2,6,7-trioxa-1-phosphabicyclo[2,2,2]octane-1-oxide. <i>Polymer Degradation and Stability</i> , 1994, 45, 399-408. | 2.7 | 18 |
| 15 | Fast thermolysis/FT-IR studies of fire-retardant melamine-cyanurate and melamine-cyanurate containing polymer. <i>Journal of Analytical and Applied Pyrolysis</i> , 1995, 33, 253-267. | 2.6 | 34 |
| 16 | Fire-retardant polymers. Polymerisation of 1-oxo-2,6,7-trioxa-1-phosphabicyclo[2,2,2]oct-4-ylmethyl methacrylate, and its copolymerisation with methyl methacrylate, styrene, and triallylcyanurate. <i>Polymer Degradation and Stability</i> , 1995, 47, 67-72. | 2.7 | 21 |
| 17 | Complex char formation in flame-retarded fibre-intumescent combinations—II. Thermal analytical studies. <i>Polymer Degradation and Stability</i> , 1996, 54, 289-303. | 2.7 | 156 |
| 18 | Mathematical description of combustion of intumescent polymer systems. <i>Combustion, Explosion and Shock Waves</i> , 1997, 33, 669-684. | 0.3 | 10 |
| 19 | The application of expandable graphite as a flame retardant and smoke-suppressing additive for ethylene-propylene-diene terpolymer. <i>Journal of Polymer Research</i> , 1997, 4, 153-158. | 1.2 | 11 |
| 20 | Influence of surface structure on thermoprotection properties of intumescent systems. <i>Applied Surface Science</i> , 1997, 115, 199-201. | 3.1 | 9 |
| 21 | Etude de la Degradation Thermique du Polystyrene Choc Ignifuge. <i>Magyar Árvad Kémizlemények</i> , 1998, 53, 297-308. | 1.4 | 4 |
| 22 | Synthesis and properties of epoxy resins containing 2-(6-oxid-6H-dibenz[e,h]phosphorin-6-yl)1,4-benzenediol. <i>Polymer</i> , 1998, 39, 5819-5826. | 1.8 | 156 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 23 | FLAME RETARDANT COMPOSITES, A REVIEW: THE POTENTIAL FOR USE OF INTUMESCENTS. , 1998, , 395-417. | | 5 |
| 24 | Flame retardants: intumescent systems. Polymer Science and Technology, 1998, , 297-306. | 0.1 | 16 |
| 25 | THE ROLE OF RADIATION OVER INTUMESCENT SYSTEMS BURNING. , 1998, , 152-158. | | 2 |
| 26 | Combustion of char-forming polymeric systems. Russian Chemical Reviews, 1999, 68, 605-614. | 2.5 | 17 |
| 27 | An oxygen index evaluation of flammability on modified epoxy/polyester systems. Polymer, 1999, 40, 4093-4098. | 1.8 | 70 |
| 28 | Use of cone calorimeter for evaluating fire performances of polyurethane foams. Polymer Degradation and Stability, 1999, 64, 573-576. | 2.7 | 36 |
| 29 | Degradation Thermique D'Un Polystyrene Choc Ignifuge Par Un Melange Intumescent. Magyar AprÃ³nyek, 1999, 58, 19-28. | 1.4 | 3 |
| 30 | Synthesis and properties of phosphorus containing advanced epoxy resins. Journal of Applied Polymer Science, 2000, 75, 429-436. | 1.3 | 77 |
| 31 | Synthesis and properties of novel phosphorus-containing hardener for epoxy resins. Journal of Applied Polymer Science, 2000, 78, 1636-1644. | 1.3 | 51 |
| 32 | Flame retardancy of some ethylene-vinyl acetate copolymer-based formulations. Fire and Materials, 2000, 24, 159-164. | 0.9 | 37 |
| 33 | Experimental investigation into mechanical destruction of intumescent chars. Polymers for Advanced Technologies, 2000, 11, 392-397. | 1.6 | 27 |
| 34 | Ignifugation de polyurÃ©thanes. European Polymer Journal, 2000, 36, 1865-1873. | 2.6 | 10 |
| 35 | Synthesis and properties of epoxy resins containing 2-(6-oxid-6H-dibenz(c,e)(1,2) oxaphosphorin-6-yl) 1,4-benzenediol (II). Polymer, 2000, 41, 3631-3638. | 1.8 | 94 |
| 36 | Synthesis and properties of epoxy resins containing bis(3-hydroxyphenyl) phenyl phosphate. European Polymer Journal, 2000, 36, 443-452. | 2.6 | 74 |
| 38 | Thermosetting Resinâ€™Properties. , 2000, , 1-56. | | 19 |
| 39 | Effect of structure on thermal behaviour of phosphorus containing addition polyimides and epoxy resins. Materials Research Innovations, 2001, 4, 306-310. | 1.0 | 4 |
| 40 | Thermal characterization of diglycidyl ether of bisphenol-A/phosphorus containing amines. Journal of Applied Polymer Science, 2001, 81, 390-395. | 1.3 | 17 |
| 41 | Phosphate-containing flame-retardant polymers with good compatibility to polypropylene. I. The effect of phosphate structure on its thermal behavior. Journal of Applied Polymer Science, 2001, 81, 1125-1135. | 1.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 42 | Chemical modification of 1,4-polydienes by di(alkyl or aryl)phosphates. <i>European Polymer Journal</i> , 2001, 37, 1297-1313. | 2.6 | 15 |
| 43 | Synthesis of novel flame retardant epoxy hardeners and properties of cured products. <i>Polymer</i> , 2001, 42, 7617-7625. | 1.8 | 219 |
| 44 | Halogen-free flame retardant radiation curable coatings. <i>Progress in Organic Coatings</i> , 2002, 45, 281-289. | 1.9 | 57 |
| 45 | Thermal properties of main-chain phosphorus-containing epoxide cured with amine. <i>Journal of Applied Polymer Science</i> , 2002, 83, 2733-2740. | 1.3 | 16 |
| 46 | Thermal properties of side-chain phosphorus-containing epoxide cured with amine. <i>Journal of Applied Polymer Science</i> , 2002, 83, 2741-2748. | 1.3 | 23 |
| 47 | Effect of the organophosphate structure on the physical and flame-retardant properties of an epoxy resin. <i>Journal of Polymer Science Part A</i> , 2002, 40, 369-378. | 2.5 | 76 |
| 48 | Epoxy resins possessing flame retardant elements from silicon incorporated epoxy compounds cured with phosphorus or nitrogen containing curing agents. <i>Polymer</i> , 2002, 43, 4277-4284. | 1.8 | 230 |
| 49 | Char formation in polyvinyl polymers I. Polyvinyl acetate. <i>Polymer Degradation and Stability</i> , 2002, 77, 503-510. | 2.7 | 62 |
| 50 | Flame retardant epoxy polymers based on all phosphorus-containing components. <i>European Polymer Journal</i> , 2002, 38, 683-693. | 2.6 | 121 |
| 51 | Title is missing!. <i>Magyar Áprilias Kémiai Közlemények</i> , 2002, 67, 761-772. | 1.4 | 13 |
| 52 | Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 1249-1254. | 1.7 | 17 |
| 53 | Studies on the curing kinetics of epoxy resins using silicon containing amide-amines. <i>Magyar Áprilias Kémiai Közlemények</i> , 2003, 71, 613-622. | 1.4 | 5 |
| 54 | Cure kinetics and properties of epoxy resins containing a phosphorous-based flame retardant. <i>Advances in Polymer Technology</i> , 2003, 22, 329-342. | 0.8 | 26 |
| 55 | New developments in flame retardancy of glass-reinforced epoxy composites. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2511-2521. | 1.3 | 46 |
| 56 | Flame retardants for polypropylene based on lignin. <i>Polymer Degradation and Stability</i> , 2003, 79, 139-145. | 2.7 | 170 |
| 57 | Material flammability, combustion, toxicity and fire hazard in transportation. <i>Progress in Energy and Combustion Science</i> , 2003, 29, 247-299. | 15.8 | 68 |
| 58 | A Brief Review of Intumescent Fire Retardant Coatings. <i>Architectural Science Review</i> , 2003, 46, 89-95. | 1.1 | 33 |
| 61 | Thermal and Flame Retardation Properties of Melamine Phosphate-Modified Epoxy Resins. <i>Journal of Polymer Research</i> , 2004, 11, 109-117. | 1.2 | 55 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 62 | Curing and pyrolysis of cresol novolac epoxy resins containing [2-(6-oxido-6H-dibenz(c,e)(1,2)oxaphosphorin-6-yl)-1,4-naphthalenediol]. <i>Polymer Engineering and Science</i> , 2004, 44, 376-387. | 1.5 | 16 |
| 63 | Study on poly(propylene)/ammonium polyphosphate composites modified by ethylene-1-octene copolymer grafted with glycidyl methacrylate. <i>Journal of Applied Polymer Science</i> , 2004, 93, 412-419. | 1.3 | 19 |
| 64 | Synergistic Effect of the Charring Agent on the Thermal and Flame Retardant Properties of Polyethylene. <i>Macromolecular Materials and Engineering</i> , 2004, 289, 208-212. | 1.7 | 139 |
| 65 | Thermal degradation and flame retardancy of a novel methacrylated phenolic melamine used for UV curable flame retardant coatings. <i>Polymer Degradation and Stability</i> , 2005, 87, 495-501. | 2.7 | 38 |
| 66 | Flammability and thermal degradation of flame retarded polypropylene composites containing melamine phosphate and pentaerythritol derivatives. <i>Polymer Degradation and Stability</i> , 2005, 90, 523-534. | 2.7 | 232 |
| 67 | Photopolymerization and properties of UV-curable flame-retardant resins with hexaacrylated cyclophosphazene compared with its cured powder. <i>Journal of Applied Polymer Science</i> , 2005, 97, 1776-1782. | 1.3 | 18 |
| 68 | Photopolymerization and thermal behavior of phosphate diacrylate and triacrylate used as reactive-type flame-retardant monomers in ultraviolet-curable resins. <i>Journal of Applied Polymer Science</i> , 2005, 97, 185-194. | 1.3 | 23 |
| 69 | Curing and pyrolysis of cresol novolac epoxy resins containing BABODOPN. <i>Polymer Engineering and Science</i> , 2005, 45, 478-486. | 1.5 | 22 |
| 70 | Advanced flame-retardant epoxy resins from phosphorus-containing diol. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3510-3515. | 2.5 | 46 |
| 71 | Thermal Stability and Flame Retardancy of Polypropylene with Phosphorus, Nitrogen and Silicon-Containing Compounds. <i>Polymers and Polymer Composites</i> , 2005, 13, 697-707. | 1.0 | 2 |
| 73 | Flame Retardant Composites. , 2006, , 237-286. | | 4 |
| 74 | Multiscale Experimental Approach for Developing High-Performance Intumescent Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4500-4508. | 1.8 | 108 |
| 75 | High-Throughput Fire Testing for Intumescent Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7475-7481. | 1.8 | 52 |
| 76 | Synthesis, characteristic, and application of new flame retardant containing phosphorus, nitrogen, and silicon. <i>Polymer Engineering and Science</i> , 2006, 46, 344-350. | 1.5 | 61 |
| 77 | Novel curing agent for lead-free electronics: Amino acid. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1020-1027. | 2.5 | 52 |
| 78 | Synthesis and properties of poly(bisphenol A acryloxyethyl phosphate) as a UV curable flame retardant oligomer. <i>European Polymer Journal</i> , 2006, 42, 1506-1515. | 2.6 | 34 |
| 79 | Photopolymerization and thermal behaviors of acrylated benzenephosphonates/epoxy acrylate as flame retardant resins. <i>European Polymer Journal</i> , 2006, 42, 2261-2269. | 2.6 | 43 |
| 80 | Catalytic action of phospho-tungstic acid in the synthesis of melamine salts of pentaerythritol phosphate and their synergistic effects in flame retarded polypropylene. <i>Polymer Degradation and Stability</i> , 2006, 91, 2513-2519. | 2.7 | 76 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 81 | Intumescent fire protective coating: Toward a better understanding of their mechanism of action. <i>Thermochimica Acta</i> , 2006, 449, 16-26. | 1.2 | 275 |
| 82 | Using PA6 as a charring agent in intumescent polypropylene formulations based on carboxylated polypropylene compatibilizer and nano-montmorillonite synergistic agent. <i>Journal of Applied Polymer Science</i> , 2006, 101, 739-746. | 1.3 | 43 |
| 83 | Halogen-free flame retardant epoxy resins from hybrids of phosphorus- or silicon-containing epoxies with an amine resin. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1071-1077. | 1.3 | 20 |
| 84 | A novel flame retardant of spirocyclic pentaerythritol bisphosphorate for epoxy resins. <i>Journal of Applied Polymer Science</i> , 2006, 102, 4978-4982. | 1.3 | 43 |
| 85 | Fire behaviour of polyester/clay nanocomposites. <i>Fire and Materials</i> , 2006, 30, 333-341. | 0.9 | 28 |
| 86 | A Novel Intumescent Flame-Retardant Polyethylene System. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 247-253. | 1.7 | 153 |
| 87 | Preparation and Application of Deformable and Orientable Intumescent Flame Retardants Incorporated with Polypropylene. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 455-460. | 1.9 | 5 |
| 88 | Synthesis and Characterization of New Organic Phosphonates Monomers as Flame Retardant Additives for Polymers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007, 182, 1689-1701. | 0.8 | 12 |
| 89 | Novel flame retardant thermosets from nitrogen-containing and phosphorus-containing epoxy resins cured with dicyandiamide. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2391-2397. | 1.3 | 47 |
| 90 | Synthesis of a soluble azomethine-containing bisphenol and the properties of its modified epoxy thermosets. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1632-1639. | 1.3 | 10 |
| 91 | Synthesis and properties of a novel hyperbranched polyphosphate acrylate applied to UV curable flame retardant coatings. <i>European Polymer Journal</i> , 2007, 43, 1302-1312. | 2.6 | 71 |
| 92 | Effects of EG and MoSi ₂ on thermal degradation of intumescent coating. <i>Polymer Degradation and Stability</i> , 2007, 92, 569-579. | 2.7 | 75 |
| 93 | Fire retardancy of a reactively extruded intumescent flame retardant polyethylene system enhanced by metal chelates. <i>Polymer Degradation and Stability</i> , 2007, 92, 1592-1598. | 2.7 | 157 |
| 94 | Novel, environmentally friendly crosslinking system of an epoxy using an amino acid: Tryptophan-cured diglycidyl ether of bisphenol A epoxy. <i>Journal of Polymer Science Part A</i> , 2007, 45, 181-190. | 2.5 | 55 |
| 95 | UV curing behavior of hyperbranched polyphosphate acrylate/di(hydroxylpropyl methacrylate) piperazine and properties of the cured film. <i>Progress in Organic Coatings</i> , 2007, 59, 312-317. | 1.9 | 36 |
| 96 | Flame Resistant Nylon-6,6 Composites with Improved Mechanical Strength by the Combination of Additive- and Reactive-Type Flame Retardants. <i>Polymer Journal</i> , 2007, 39, 347-358. | 1.3 | 12 |
| 97 | Brazilian clays as synergistic agents in an ethylenic polymer matrix containing an intumescent formulation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 661-665. | 2.0 | 26 |
| 98 | Synthesis and properties of a phosphorus-containing flame retardant epoxy resin based on bis-phenoxy (3-hydroxy) phenyl phosphine oxide. <i>Polymer Degradation and Stability</i> , 2007, 92, 956-961. | 2.7 | 141 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 99 | Effect of metal chelates on the ignition and early flaming behaviour of intumescent fire-retarded polyethylene systems. <i>Polymer Degradation and Stability</i> , 2008, 93, 1024-1030. | 2.7 | 87 |
| 100 | Flame retardation and char formation mechanism of intumescent flame retarded polypropylene composites containing melamine phosphate and pentaerythritol phosphate. <i>Polymer Degradation and Stability</i> , 2008, 93, 1799-1806. | 2.7 | 119 |
| 101 | An Investigation of the thermal degradation of the intumescent coating containing MoO ₃ and Fe ₂ O ₃ . <i>Surface and Coatings Technology</i> , 2008, 202, 3121-3128. | 2.2 | 54 |
| 102 | Effects of intumescent formulation for acrylic-based coating on flame-retardancy of painted red lauan (<i>Parashorea</i> spp.) thin plywood. <i>Wood Science and Technology</i> , 2008, 42, 593-607. | 1.4 | 30 |
| 103 | A novel intumescent flame-retardant LDPE system and its thermo-oxidative degradation and flame-retardant mechanisms. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1566-1575. | 1.6 | 54 |
| 104 | Flame retardation and thermal degradation of flame-retarded polypropylene composites containing melamine phosphate and pentaerythritol phosphate. <i>Fire and Materials</i> , 2008, 32, 307-319. | 0.9 | 27 |
| 105 | Reactive extrusion to synthesize intumescent flame retardant with a solid acid as catalyst and the flame retardancy of the products in polypropylene. <i>Journal of Applied Polymer Science</i> , 2008, 107, 14-20. | 1.3 | 13 |
| 106 | Polyamide-enhanced flame retardancy of ammonium polyphosphate on epoxy resin. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2644-2653. | 1.3 | 103 |
| 107 | A study of the novel intumescent flame-retarded PP/EPDM copolymer blends. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3804-3811. | 1.3 | 24 |
| 108 | Flame retardancy and dielectric properties of dicyclopentadiene-based benzoxazine cured with a phosphorus-containing phenolic resin. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2413-2423. | 1.3 | 33 |
| 109 | Polyesters of 2-Pyrone-4,6-Dicarboxylic Acid (PDC) Obtained from a Metabolic Intermediate of Lignin. <i>Polymer Journal</i> , 2008, 40, 68-75. | 1.3 | 52 |
| 110 | Microencapsulated Ammonium Polyphosphate with Polyurethane Shell: Application to Flame Retarded Polypropylene/Ethylene-propylene Diene Terpolymer Blends. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 46, 136-144. | 1.2 | 27 |
| 111 | Study on Thermal Decomposition of Intumescent Fire-Retardant Polypropylene by TG/Fourier Transform Infrared. <i>Journal of Thermoplastic Composite Materials</i> , 2009, 22, 681-701. | 2.6 | 39 |
| 112 | Novel halogen-free flame retardant thermoset from a hybrid hexakis (methoxymethyl) melamine/phosphorus-containing epoxy resin cured with phenol formaldehyde novolac. <i>EXPRESS Polymer Letters</i> , 2009, 3, 788-796. | 1.1 | 12 |
| 113 | Syntheses and properties of fluorinated phosphate acrylates used for UV-curing coatings. <i>Progress in Organic Coatings</i> , 2009, 64, 365-370. | 1.9 | 15 |
| 114 | Studies on the curing kinetics and thermal stability of diglycidyl ether of bisphenol-A using mixture of novel, environment friendly sulphur containing amino acids and 4,4'-diaminodiphenylsulfone. <i>Journal of Applied Polymer Science</i> , 2009, 113, 216-225. | 1.3 | 5 |
| 115 | Effects of organo-clay and sodium dodecyl sulfonate intercalated layered double hydroxide on thermal and flame behaviour of intumescent flame retarded polypropylene. <i>Polymer Degradation and Stability</i> , 2009, 94, 1979-1985. | 2.7 | 66 |
| 116 | Synthesis, characterization and properties of halogen-free flame retardant PMMA nanocomposites containing nitrogen/ silicon prepared from the Sol-Gel method. <i>Journal of Polymer Research</i> , 2009, 16, 637-646. | 1.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 117 | Fabrication and thermal stability studies of polyamide 66 containing triaryl phosphine oxide. Bulletin of Materials Science, 2009, 32, 375-380. | 0.8 | 25 |
| 118 | Flame retardancy and thermal degradation of intumescent flame retardant polypropylene with MP/TPMP. Polymers for Advanced Technologies, 2009, 20, 696-702. | 1.6 | 26 |
| 119 | Study on combustion property and synergistic effect of intumescent flame retardant styrene butadiene rubber with metallic oxides. Polymers for Advanced Technologies, 2009, 20, 1091-1095. | 1.6 | 20 |
| 120 | Metal compound-enhanced flame retardancy of intumescent epoxy resins containing ammonium polyphosphate. Polymer Degradation and Stability, 2009, 94, 625-631. | 2.7 | 154 |
| 121 | Mechanism on flame retardancy of polystyrene/clay composites-The effect of surfactants and aggregate state of organoclay. Polymer, 2009, 50, 5794-5802. | 1.8 | 42 |
| 122 | Flame retardant mechanism of organo-bentonite in polypropylene. Applied Clay Science, 2009, 45, 178-184. | 2.6 | 70 |
| 123 | Study of thermal properties of intumescent additive. Journal of Thermal Analysis and Calorimetry, 2010, 102, 1071-1077. | 2.0 | 13 |
| 124 | Ignifugation Des Polymères Thermoplastiques. Formulations Intumescents: Caractérisation Des Révêtements Carbones Et Mécanisme De Leurs Développements. Bulletin Des Sociétés Chimiques Belges, 1989, 98, 735-740. | | 1 |
| 125 | Synthesis, thermal degradation, and flame retardance of novel triazine ring-containing macromolecules for intumescent flame retardant polypropylene. Journal of Applied Polymer Science, 2010, 116, 2157-2165. | 1.3 | 56 |
| 126 | Studies on the effect of different levels of toughener and flame retardants on thermal stability of epoxy resin. Polymer Degradation and Stability, 2010, 95, 144-152. | 2.7 | 100 |
| 127 | Effect of anionic organoclay with special aggregate structure on the flame retardancy of acrylonitrile-butadiene-styrene/clay composites. Polymer Degradation and Stability, 2010, 95, 587-592. | 2.7 | 13 |
| 128 | The synergistic flame-retardant effect of O ₂ -MMT on the intumescent flame-retardant PP/CA/APP systems. Polymers for Advanced Technologies, 2010, 21, 789-796. | 1.6 | 83 |
| 129 | Phosphorus-based Flame Retardancy Mechanisms—Old Hat or a Starting Point for Future Development?. Materials, 2010, 3, 4710-4745. | 1.3 | 486 |
| 130 | Structural Basis for Intumescence — Part III — Thermal Degradation Study of Intumescent Polymers Containing Spirophosphorus Moiety in the Backbone. Polymer-Plastics Technology and Engineering, 2010, 49, 316-324. | 1.9 | 2 |
| 131 | Diffusion of Polyphosphates into (Poly(allylamine)-montmorillonite) Multilayer Films: Flame Retardant-Intumescent Films with Improved Oxygen Barrier. Langmuir, 2011, 27, 13879-13887. | 1.6 | 104 |
| 132 | UV-cured organic-inorganic hybrid nanocomposite initiated by trimethoxysilane-modified fragmental photoinitiator. Composites Part A: Applied Science and Manufacturing, 2011, 42, 631-638. | 3.8 | 11 |
| 133 | Intumescent coatings based on an organic-inorganic hybrid resin and the effect of mineral fibres on fire-resistant properties of intumescent coatings. Pigment and Resin Technology, 2011, 40, 247-253. | 0.5 | 12 |
| 134 | Synthesis of three novel phosphorus-containing flame retardants and their application in epoxy resins. Polymer Degradation and Stability, 2011, 96, 1720-1724. | 2.7 | 135 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 135 | How nano-fillers affect thermal stability and flame retardancy of intumescent flame retarded polypropylene. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1139-1146. | 1.6 | 55 |
| 136 | UV-radiation Cured Organic-Inorganic Hybrid Nanocomposite Initiated by Ethoxysilane-modified Multifunctional Polymeric Photoinitiator through Sol-gel Process. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1961-1968. | 2.6 | 4 |
| 137 | Flame Retardance and Thermal Decomposition of EVA Composites Containing Melamine Phosphate and Dipentaerythritol. <i>Advanced Materials Research</i> , 2011, 284-286, 1831-1835. | 0.3 | 0 |
| 138 | Synthesis and Properties of a Novel Flame-Retardant Epoxy Resin Containing Biphenyl/Phenyl Phosphonic Moieties. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 896-903. | 1.9 | 16 |
| 139 | Synergistic Effects of Ni ²⁺ -Fe ³⁺ Layered Double Hydroxide on Intumescent Flame-Retarded Polypropylene Composites Containing Melamine Phosphate and Pentaerythritol Phosphate. <i>ACS Symposium Series</i> , 2012, , 51-68. | 0.5 | 2 |
| 140 | Catalyzing carbonization of poly(l-lactide) by nanosized carbon black combined with Ni ₂ O ₃ for improving flame retardancy. <i>Journal of Materials Chemistry</i> , 2012, 22, 19974. | 6.7 | 83 |
| 141 | Structural characteristics and flammability of fire retarding EPDM/layered double hydroxide (LDH) nanocomposites. <i>RSC Advances</i> , 2012, 2, 3927. | 1.7 | 91 |
| 142 | Fire structural modelling of fibre-polymer laminates protected with an intumescent coating. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 793-802. | 3.8 | 45 |
| 144 | Design and optimization of an intumescent flame retardant coating using thermal degradation kinetics and Taguchi's experimental design. <i>Polymer International</i> , 2012, 61, 926-933. | 1.6 | 9 |
| 145 | Flammability of layered silicate epoxy nanocomposites combined with low-melting inorganic ceepree glass. <i>Polymer Engineering and Science</i> , 2012, 52, 507-517. | 1.5 | 24 |
| 146 | Synergistic effect of ammonium polyphosphate and expandable graphite on flame-retardant properties of acrylonitrile-butadiene-styrene. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1337-1343. | 1.3 | 67 |
| 147 | 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. | 1.2 | 63 |
| 148 | Study on the thermal degradation of mixtures of ammonium polyphosphate and a novel caged bicyclic phosphate and their flame retardant effect in polypropylene. <i>Polymer Degradation and Stability</i> , 2012, 97, 632-637. | 2.7 | 105 |
| 149 | Triazene compounds as a novel and effective class of flame retardants for polypropylene. <i>Polymer Degradation and Stability</i> , 2012, 97, 948-954. | 2.7 | 29 |
| 150 | SEM/EDX: Advanced investigation of structured fire residues and residue formation. <i>Polymer Testing</i> , 2012, 31, 606-619. | 2.3 | 35 |
| 151 | Evaluation of nonconventional additives as fire retardants on polyamide 6,6: Phosphorous-based master batch, Zirconium dihydrogen phosphate, and Cyclodextrin based nanosponges. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3545-3555. | 1.3 | 21 |
| 152 | Study on thermal degradation and flame retardant property of halogen-free polypropylene composites using XPS and cone calorimeter. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1084-1091. | 1.3 | 30 |
| 153 | Synthesis, thermal degradation, and flame retardancy of a novel charring agent aliphatic-aromatic polyamide for intumescent flame retardant polypropylene. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1061-1068. | 1.3 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 154 | The synergistic effect of adjuvant on the intumescent flame-retardant ABS with a novel charring agent. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 753-761. | 2.0 | 9 |
| 155 | Effects of melamine phosphate on the thermal decomposition and combustion behavior of reconstituted tobacco sheet. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1269-1276. | 2.0 | 18 |
| 156 | Fire retardancy and CO/CO ₂ emission of intumescent coatings on thin plywood panel with waterborne vinyl acetate-acrylic resin. <i>Wood Science and Technology</i> , 2013, 47, 353-367. | 1.4 | 9 |
| 157 | Synergistic Effect between a Novel Char Forming Agent and Ammonium Polyphosphate on Flame Retardancy and Thermal Properties of Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10905-10915. | 1.8 | 45 |
| 158 | Microencapsulated Ammonium Polyphosphate with Glycidyl Methacrylate Shell: Application to Flame Retardant Epoxy Resin. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5640-5647. | 1.8 | 85 |
| 159 | Textile flammability research since 1980 – Personal challenges and partial solutions. <i>Polymer Degradation and Stability</i> , 2013, 98, 2813-2824. | 2.7 | 65 |
| 160 | Prediction and optimization of fireproofing properties of intumescent flame retardant coatings using artificial intelligence techniques. <i>Fire Safety Journal</i> , 2013, 61, 193-199. | 1.4 | 18 |
| 161 | Effects of common synergistic agents on intumescent flame retardant polypropylene with a novel charring agent. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 725-734. | 2.0 | 47 |
| 162 | Thermal degradation and combustion behavior of reconstituted tobacco sheet treated with ammonium polyphosphate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 100, 223-229. | 2.6 | 26 |
| 163 | Recent developments in the fire retardancy of polymeric materials. <i>Progress in Polymer Science</i> , 2013, 38, 1357-1387. | 11.8 | 517 |
| 164 | Effect of boric acid and melamine on the intumescent fire-retardant coating composition for the fire protection of structural steel substrates. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2983-2993. | 1.3 | 71 |
| 165 | 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. | 1.3 | 62 |
| 166 | Synergistic Effect of Nano Fe ₂ O ₃ on Intumescent Flame Retardant Polypropylene Systems. <i>Advanced Materials Research</i> , 0, 669, 233-238. | 0.3 | 5 |
| 167 | Synthesis of a novel ionic liquid containing phosphorus and its application in intumescent flame retardant polypropylene system. <i>Polymers for Advanced Technologies</i> , 2013, 24, 568-575. | 1.6 | 33 |
| 168 | Extrusion with ultrasound applied on intumescent flame-retardant polypropylene. <i>Polymer Engineering and Science</i> , 2013, 53, 2018-2026. | 1.5 | 21 |
| 169 | Design and Utilization of Nitrogen Containing Flame Retardants Based on N-Alkoxyamines, Azoalkanes and Related Compounds. , 2014, , 267-288. | | 14 |
| 170 | Cone calorimeter study of polyethylene flame retarded with expandable graphite and intumescent fire-retardant additives. <i>Journal of Fire Sciences</i> , 2014, 32, 498-517. | 0.9 | 22 |
| 171 | (Photo)oxidative Stabilization of Flame-Retarded Polymers. , 2014, , 419-439. | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 172 | Fire retardancy of ethylene vinyl acetate/ultrafine kaolinite composites. <i>Polymer Degradation and Stability</i> , 2014, 100, 54-62. | 2.7 | 40 |
| 173 | Synergistic flame-retardant effect of halloysite nanotubes on intumescent flame retardant in LDPE. <i>Journal of Applied Polymer Science</i> , 2014, 131, . | 1.3 | 23 |
| 174 | Influence of nano-boron nitride on fire protection of waterborne fire-resistive coatings. <i>Journal of Coatings Technology Research</i> , 2014, 11, 265-272. | 1.2 | 19 |
| 175 | Polyethylene flame retarded with expandable graphite and a novel intumescent additive. <i>Journal of Applied Polymer Science</i> , 2014, 131, . | 1.3 | 11 |
| 176 | Synthesis of 1-hydroxy ethylidene-1,1-diphosphonic ammonium and the promise of this ammonium salt as an intumescent flame retardant in polystyrene. <i>Polymer Degradation and Stability</i> , 2014, 102, 186-194. | 2.7 | 20 |
| 177 | Effects of kaolin on the thermal stability and flame retardancy of polypropylene composite. <i>Polymers for Advanced Technologies</i> , 2014, 25, 912-919. | 1.6 | 24 |
| 178 | Ammonium polyphosphate chemically-modified with ethanolamine as an efficient intumescent flame retardant for polypropylene. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13955. | 5.2 | 220 |
| 179 | Fire Safety Performance of Flame Retardants Compared with Toxic and Environmental Hazards. , 2014, , 45-86. | | 1 |
| 180 | The influence of the phosphorus-based flame retardant on the flame retardancy of the epoxy resins. <i>Polymer Degradation and Stability</i> , 2014, 109, 209-217. | 2.7 | 139 |
| 181 | Intumescent coating of (polyallylamine-polyphosphates) deposited on polyamide fabrics via layer-by-layer technique. <i>Polymer Degradation and Stability</i> , 2014, 106, 158-164. | 2.7 | 56 |
| 182 | Effects of ammonium polyphosphate to pentaerythritol ratio on composition and properties of carbonaceous foam deriving from intumescent flame-retardant polypropylene. <i>Polymer Degradation and Stability</i> , 2014, 107, 64-73. | 2.7 | 74 |
| 183 | Two novel phosphorus-nitrogen-containing halogen-free flame retardants of high performance for epoxy resin. <i>Polymer Degradation and Stability</i> , 2014, 108, 68-75. | 2.7 | 110 |
| 184 | The Effect of Particle Size of Wollastonite Filler on Thermal Performance of Intumescent Fire Retardant Coating. <i>MATEC Web of Conferences</i> , 2014, 13, 03012. | 0.1 | 1 |
| 185 | Flame retarding effect of graphite in rotationally molded polyethylene/graphite composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 18 |
| 186 | Influence of the pentaerythritol phosphate melamine salt content on the combustion and thermal decomposition process of intumescent flame-retardant ethylene-vinyl acetate copolymer composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 9 |
| 187 | Intumescent multilayer thin film deposited on clay-based nanobrick wall to produce self-extinguishing flame retardant polyurethane. <i>Journal of Materials Science</i> , 2015, 50, 2451-2458. | 1.7 | 58 |
| 189 | Flame-retardancy properties of tris(2-hydroxyethyl) isocyanurate based charring agents on polypropylene. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 3 |
| 190 | Flame-retardant mechanism of a novel polymeric intumescent flame retardant containing caged bicyclic phosphate for polypropylene. <i>Polymer Degradation and Stability</i> , 2015, 113, 22-31. | 2.7 | 123 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 191 | Flammable and mechanical effects of silica on intumescent flame retardant/ethylene- α -octene copolymer/polypropylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2015, 28, 981-994. | 2.6 | 23 |
| 192 | Recent advances for microencapsulation of flame retardant. <i>Polymer Degradation and Stability</i> , 2015, 113, 96-109. | 2.7 | 97 |
| 193 | Flame retardant polymer composites. <i>Fibers and Polymers</i> , 2015, 16, 705-717. | 1.1 | 164 |
| 194 | Effects of wool fibres, ammonium polyphosphate and polymer viscosity on the flammability and mechanical performance of PP/wool composites. <i>Polymer Degradation and Stability</i> , 2015, 119, 167-177. | 2.7 | 56 |
| 195 | Surface modification of ammonium polyphosphate with vinyltrimethoxysilane: Preparation, characterization, and its flame retardancy in polypropylene. <i>Polymer Degradation and Stability</i> , 2015, 119, 139-150. | 2.7 | 62 |
| 196 | Synthesis of novel intumescent flame retardant containing phosphorus, nitrogen and boron and its application in polyethylene. <i>Polymer Bulletin</i> , 2015, 72, 2967-2978. | 1.7 | 41 |
| 197 | Novel Multifunctional Organic-Inorganic Hybrid Curing Agent with High Flame-Retardant Efficiency for Epoxy Resin. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17919-17928. | 4.0 | 213 |
| 198 | Modification of poly(styrene-block-butadiene-block-styrene) [SBS] with phosphorus containing fire retardants. <i>European Polymer Journal</i> , 2015, 70, 136-146. | 2.6 | 18 |
| 199 | Advances in Flame Retardant of Different Types of Nanocomposites. <i>Engineering Materials</i> , 2015, , 1-13. | 0.3 | 3 |
| 200 | DNA coatings on cotton fabrics: Effect of molecular size and pH on flame retardancy. <i>Surface and Coatings Technology</i> , 2015, 272, 86-95. | 2.2 | 34 |
| 201 | Flame retardancy of clay-sodium silicate composite coatings on wood for construction purposes. <i>RSC Advances</i> , 2015, 5, 34109-34116. | 1.7 | 49 |
| 202 | Microencapsulation of ammonium polyphosphate with melamine-formaldehyde-tris(2-hydroxyethyl)isocyanurate resin and its flame retardancy in polypropylene. <i>RSC Advances</i> , 2015, 5, 88445-88455. | 1.7 | 50 |
| 203 | Effect of Surface-Modified Ammonium Polyphosphate with KH550 and Silicon Resin on the Flame Retardancy, Water Resistance, Mechanical and Thermal Properties of Intumescent Flame Retardant Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9733-9741. | 1.8 | 73 |
| 204 | Flame-Retardant Paper from Wood Fibers Functionalized via Layer-by-Layer Assembly. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23750-23759. | 4.0 | 92 |
| 205 | Experimental Analysis of Thermal Runaway and Propagation in Lithium-Ion Battery Modules. <i>Journal of the Electrochemical Society</i> , 2015, 162, A1905-A1915. | 1.3 | 249 |
| 206 | Effect of charring agent THEIC on flame retardant properties of polypropylene. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 13 |
| 207 | Elucidating the Thermal Decomposition of Dimethyl Methylphosphonate by Vacuum Ultraviolet (VUV) Photoionization: Pathways to the PO Radical, a Key Species in Flame-Retardant Mechanisms. <i>Chemistry - A European Journal</i> , 2015, 21, 1073-1080. | 1.7 | 102 |
| 208 | Reaction-to-fire properties of polymer matrix composites with integrated intumescent barriers. <i>Fire and Materials</i> , 2015, 39, 658-674. | 0.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 209 | Experimental investigation and characterization of an efficient nanopowder-based flame retardant coating for atmospheric-metallic substrates. Powder Technology, 2015, 269, 22-29. | 2.1 | 44 |
| 210 | Clay Minerals and Clay Mineral Water Dispersions " Properties and Applications. , 2016, , . | | 1 |
| 211 | Influence of modified mesoporous silica SBA-15 on the flammability of intumescent high-density polyethylene. Polymers for Advanced Technologies, 2016, 27, 1363-1375. | 1.6 | 19 |
| 212 | A review on flammability of epoxy polymer, cellulosic and non-cellulosic fiber reinforced epoxy composites. Polymers for Advanced Technologies, 2016, 27, 577-590. | 1.6 | 86 |
| 213 | Influence of PEPA-containing polyether structure on fire protection of transparent fire-resistant coatings. Journal of Coatings Technology Research, 2016, 13, 457-468. | 1.2 | 14 |
| 214 | UV-curable behavior of phosphorus- and nitrogen-based reactive diluent for epoxy acrylate oligomer used for flame-retardant wood coating. Journal of Coatings Technology Research, 2016, 13, 703-714. | 1.2 | 15 |
| 215 | Synergistic effect of chitosan-based flame retardant and modified clay on the flammability properties of LLDPE. Polymer Degradation and Stability, 2016, 133, 8-15. | 2.7 | 76 |
| 216 | A Novel Linear-Chain Polyamide Charring Agent for the Fire Safety of Noncharring Polyolefin. Industrial & Engineering Chemistry Research, 2016, 55, 7132-7141. | 1.8 | 29 |
| 217 | PREPARATION AND PROPERTIES STUDIES OF HALOGEN-FREE FLAME RETARDANT STYRENE-BUTADIENE RUBBER BASED ON APP AND PUMAPP. Rubber Chemistry and Technology, 2016, 89, 689-699. | 0.6 | 0 |
| 218 | Preparation of nucleotide-based microsphere and its application in intumescent flame retardant polypropylene. Journal of Analytical and Applied Pyrolysis, 2016, 121, 394-402. | 2.6 | 28 |
| 219 | Hydrocarbon time-temperature curve under airjet perturbation: An in situ method to probe char stability and integrity in reactive fire protection coatings. Journal of Fire Sciences, 2016, 34, 385-397. | 0.9 | 22 |
| 220 | Synthesis of a novel phosphorus-containing epoxy curing agent and the thermal, mechanical and flame-retardant properties of the cured products. Polymer Degradation and Stability, 2016, 130, 143-154. | 2.7 | 51 |
| 221 | A facile and novel modification method of β -cyclodextrin and its application in intumescent flame-retarding polypropylene with melamine phosphate and expandable graphite. Journal of Polymer Research, 2016, 23, 1. | 1.2 | 19 |
| 222 | Development of fire resistant wool polymer composites: Mechanical performance and fire simulation with design perspectives. Materials and Design, 2016, 106, 391-403. | 3.3 | 62 |
| 223 | Synergistic effect of graphitic carbon nitride and ammonium polyphosphate for enhanced thermal and flame retardant properties of polystyrene. Materials Chemistry and Physics, 2016, 177, 283-292. | 2.0 | 50 |
| 224 | Poly(piperazinyl phosphamide): a novel highly-efficient charring agent for an EVA/APP intumescent flame retardant system. RSC Advances, 2016, 6, 30436-30444. | 1.7 | 51 |
| 225 | Recent developments of intumescent fire protection coatings for structural steel: A review. Journal of Fire Sciences, 2016, 34, 120-163. | 0.9 | 130 |
| 226 | Study on inorganic modified ammonium polyphosphate with precipitation method and its effect in flame retardant polypropylene. Polymer Degradation and Stability, 2016, 126, 117-124. | 2.7 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 227 | Variation of Intumescent Coatings Revealing Different Modes of Action for Good Protection Performance. <i>Fire Technology</i> , 2017, 53, 1569-1587. | 1.5 | 36 |
| 228 | Thermal properties of polyethylene flame retarded with expandable graphite and intumescent fire retardant additives. <i>Fire and Materials</i> , 2017, 41, 573-586. | 0.9 | 22 |
| 229 | Synthesis of tris(2-hydroxyethyl) isocyanurate homopolymer and its application in intumescent flame retarded polypropylene. <i>Journal of Applied Polymer Science</i> , 2017, 134, . | 1.3 | 9 |
| 230 | Effect of intumescent compositions on flammable properties of ethylene vinyl acetate and polypropylene. <i>Fire and Materials</i> , 2017, 41, 857-863. | 0.9 | 1 |
| 231 | Synthesis of a hydrogen-bonded complex intumescent flame retardant through supramolecular complexation and its application in LDPE foam. <i>RSC Advances</i> , 2017, 7, 31298-31309. | 1.7 | 11 |
| 232 | Study of a novel co-rotating non-twin screw extruder in processing flame retardant polymer materials. <i>Journal of Polymer Engineering</i> , 2017, 37, 827-835. | 0.6 | 0 |
| 233 | Size is not all that matters: Residue thickness and protection performance of intumescent coatings made from different binders. <i>Journal of Fire Sciences</i> , 2017, 35, 284-302. | 0.9 | 31 |
| 234 | Functional organoclay with high thermal stability and its synergistic effect on intumescent flame retardant polypropylene. <i>Applied Clay Science</i> , 2017, 143, 192-198. | 2.6 | 30 |
| 235 | Flame-retardant, non-irritating and self-healing multilayer films with double-network structure. <i>Composites Science and Technology</i> , 2017, 145, 15-23. | 3.8 | 29 |
| 236 | Effects of Zinc Phytate on Flame Retardancy and Thermal Degradation Behaviors of Intumescent Flame-retardant Polypropylene. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1167-1176. | 1.9 | 34 |
| 237 | Impact of selective dispersion of intumescent flame retardant on properties of polypropylene blends. <i>Journal of Materials Science</i> , 2017, 52, 3269-3280. | 1.7 | 21 |
| 238 | Bisphenol-S bridged penta(anilino)cyclotriphosphazene and its application in epoxy resins: Synthesis, thermal degradation, and flame retardancy. <i>Polymer Degradation and Stability</i> , 2017, 135, 140-151. | 2.7 | 108 |
| 239 | Functionalized allylamine polyphosphate as a novel multifunctional highly efficient fire retardant for polypropylene. <i>Polymer Chemistry</i> , 2017, 8, 6309-6318. | 1.9 | 30 |
| 240 | Effect of char sulfonic acid and ammonium polyphosphate on flame retardancy and thermal properties of epoxy resin and polyamide composites. <i>Journal of Fire Sciences</i> , 2017, 35, 521-534. | 0.9 | 7 |
| 241 | Phosphorus-containing thermoplastic poly(ether ester) elastomers showing intrinsic flame retardancy. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45478. | 1.3 | 5 |
| 242 | Revealing the inner secrets of intumescence: Advanced standard time temperature oven (STT) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | 0.9 | 35 |
| 243 | Fire-retardant carbon-fiber-reinforced thermoset composites. , 2017, , 271-293. | | 12 |
| 244 | Design and UV-curable behaviour of boron based reactive diluent for epoxy acrylate oligomer used for flame retardant wood coating. <i>Designed Monomers and Polymers</i> , 2017, 20, 125-135. | 0.7 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 245 | Intumescent coatings: A review on recent progress. <i>Journal of Coatings Technology Research</i> , 2017, 14, 1-20. | 1.2 | 175 |
| 246 | Flame retardant performance of a carbon source containing <sc>DOPO</sc> derivative in <sc>PET</sc> and epoxy. <i>Journal of Applied Polymer Science</i> , 2017, 134, . | 1.3 | 26 |
| 247 | A review of flammability of natural fibre reinforced polymeric composites. <i>Composites Science and Technology</i> , 2018, 162, 64-78. | 3.8 | 133 |
| 248 | Synthesis of amino trimethylene phosphonic acid melamine salt and its application in flame-retarded polypropylene. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46274. | 1.3 | 22 |
| 249 | Preparation and characterization of polyamide 6 fibre based on a phosphorus-containing flame retardant. <i>RSC Advances</i> , 2018, 8, 9261-9271. | 1.7 | 56 |
| 250 | A review on the environmental durability of intumescent coatings for steels. <i>Journal of Materials Science</i> , 2018, 53, 124-145. | 1.7 | 43 |
| 251 | The bio-touch: Increasing coating functionalities via biomass-derived components. <i>Surface and Coatings Technology</i> , 2018, 341, 2-14. | 2.2 | 6 |
| 252 | Chemical Foaming Coupled Self-Etching: A Multiscale Processing Strategy for Ultrahigh-Surface-Area Carbon Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2819-2827. | 4.0 | 5 |
| 253 | Cone calorimeter testing of foam core sandwich panels treated with intumescent paper underneath the veneer (<sc>FRV</sc>). <i>Fire and Materials</i> , 2018, 42, 296-305. | 0.9 | 3 |
| 254 | The synergistic action between anhydride grafted carbon fiber and intumescent flame retardant enhances flame retardancy and mechanical properties of polypropylene composites. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 718-731. | 2.8 | 13 |
| 255 | Effects of intumescent flame retardant system consisting of tris (2-hydroxyethyl) isocyanurate and ammonium polyphosphate on the flame retardant properties of high-density polyethylene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 444-451. | 3.8 | 69 |
| 256 | Graphitization induced by KOH etching for the fabrication of hierarchical porous graphitic carbon sheets for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14170-14177. | 5.2 | 66 |
| 257 | The Effects of a Macromolecular Charring Agent with Gas Phase and Condense Phase Synergistic Flame Retardant Capability on the Properties of PP/IFR Composites. <i>Materials</i> , 2018, 11, 111. | 1.3 | 42 |
| 259 | Synthesis of a novel mono-component intumescent flame retardant and its high efficiency for flame retardant polyethylene. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 134, 632-640. | 2.6 | 46 |
| 260 | 2.19 Thermosetting Resin " Properties. , 2018, , 401-468. | | 8 |
| 261 | Intumescent coatings used for the fire-safe design of steel structures: A review. <i>Journal of Constructional Steel Research</i> , 2019, 162, 105712. | 1.7 | 70 |
| 262 | NMR evaluation of montmorillonite's d spacings on the formation of phosphocarbonaceous species in intumescent systems. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48053. | 1.3 | 6 |
| 263 | Influence of eco-friendly calcium gluconate on the intumescent flame-retardant epoxy resin: Flame retardancy, smoke suppression and mechanical properties. <i>Composites Part B: Engineering</i> , 2019, 176, 107200. | 5.9 | 78 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 264 | Synthesis of intrinsically flame-retardant copolyamides and their employment in PA6 fibers. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2872-2882. | 1.6 | 9 |
| 266 | Layer-by-layer assembly flame-retardant and anti-dripping treatment of polyethylene terephthalate fabrics. <i>Journal of Engineered Fibers and Fabrics</i> , 2019, 14, 155892501987030. | 0.5 | 3 |
| 267 | Synthesis of a novel phosphorus-nitrogen flame retardant and its application in epoxy resin. <i>Polymer Degradation and Stability</i> , 2019, 169, 108981. | 2.7 | 112 |
| 268 | Synergistic barrier effect of aluminum phosphate on flame retardant polypropylene based on ammonium polyphosphate/dipentaerythritol system. <i>Materials and Design</i> , 2019, 181, 107913. | 3.3 | 46 |
| 269 | Synergistic effect of nanoscale carbon black and ammonium polyphosphate on improving thermal stability and flame retardancy of polypropylene: A reactive network for strengthening carbon layer. <i>Composites Part B: Engineering</i> , 2019, 174, 107038. | 5.9 | 34 |
| 270 | Novel synthesis of flame-retardant magnetic nanoparticles/hydroxy acid cellulose-6-phosphate composite. <i>Materials Research Express</i> , 2019, 6, 085310. | 0.8 | 7 |
| 271 | Intumescent flame retardant and anti-dripping of PET fabrics through layer-by-layer assembly of chitosan and ammonium polyphosphate. <i>Progress in Organic Coatings</i> , 2019, 134, 162-168. | 1.9 | 83 |
| 272 | Nano-TiO ₂ -Engineered Cementitious Composites. , 2019, , 561-599. | | 1 |
| 273 | Fabrication of cellulose-based halogen-free flame retardant and its synergistic effect with expandable graphite in polypropylene. <i>Carbohydrate Polymers</i> , 2019, 213, 257-265. | 5.1 | 58 |
| 274 | Single component phosphamide-based intumescent flame retardant with potential reactivity towards low flammability and smoke epoxy resins. <i>Journal of Hazardous Materials</i> , 2019, 371, 529-539. | 6.5 | 166 |
| 275 | A Facile Technique to Extract the Cross-Sectional Structure of Brittle Porous Chars from Intumescent Coatings. <i>Polymers</i> , 2019, 11, 640. | 2.0 | 7 |
| 276 | Sulfenamides in synergistic combination with halogen free flame retardants in polypropylene. <i>Polymer Degradation and Stability</i> , 2019, 164, 75-89. | 2.7 | 26 |
| 277 | Flame retardant and its influence on the performance of asphalt – A review. <i>Construction and Building Materials</i> , 2019, 212, 841-861. | 3.2 | 58 |
| 278 | Phosphorylated sodium alginate/APP/DPER intumescent flame retardant used for polypropylene. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47794. | 1.3 | 37 |
| 279 | Manufacturing, thermal stability, and flammability properties of polypropylene containing new single molecule intumescent flame retardant. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1403-1414. | 1.6 | 28 |
| 280 | Fractal conceptualization of intumescent fire barriers, toward simulations of virtual morphologies. <i>Scientific Reports</i> , 2019, 9, 1872. | 1.6 | 16 |
| 281 | Numerical model for the fire protection performance and the design of intumescent coatings on structural steel exposed to natural fires. <i>Journal of Structural Fire Engineering</i> , 2019, 11, 33-50. | 0.4 | 6 |
| 282 | Synergistic effect of Nano-ZnO and intumescent flame retardant on flame retardancy of polypropylene/ethylene-propylene diene monomer composites using elongational flow field. <i>Polymer Composites</i> , 2019, 40, 2819-2833. | 2.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 283 | Metal compounds as catalysts in the intumescent flame retardant system for polyethylene terephthalate fabrics. <i>Textile Research Journal</i> , 2019, 89, 2983-2997. | 1.1 | 16 |
| 284 | Effects of added nanoclay for styrene-acrylic resin on intumescent fire retardancy and CO/CO ₂ emission. <i>Journal of Coatings Technology Research</i> , 2020, 17, 115-125. | 1.2 | 10 |
| 285 | Nanosized carbon black as synergist in PP/POE-MA/IFR system for simultaneously improving thermal, electrical and mechanical properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1091-1098. | 2.0 | 16 |
| 286 | Improving the flame retardancy of polypropylene foam with piperazine pyrophosphate via multilayering coextrusion of film/foam composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48552. | 1.3 | 19 |
| 287 | Flame retardant effect of cytosine pyrophosphate and pentaerythritol on polypropylene. <i>Composites Part B: Engineering</i> , 2020, 180, 107520. | 5.9 | 40 |
| 288 | Synergistic effect of zeolite 4A on thermal, mechanical and flame retardant properties of intumescent flame retardant HDPE composites. <i>Polymer Testing</i> , 2020, 81, 106177. | 2.3 | 26 |
| 289 | Improved pyrolysis behavior of ammonium polyphosphate-melamine-expandable (APP-MEL-EG) intumescent fire retardant coating system using ceria and dolomite as additives for I-beam steel application. <i>Heliyon</i> , 2020, 6, e03119. | 1.4 | 15 |
| 290 | Study on the effects of aging by accelerated weathering on the intumescent fire retardant coating for steel elements. <i>Engineering Failure Analysis</i> , 2020, 118, 104920. | 1.8 | 24 |
| 291 | Enhancement of the intumescent flame retardant efficiency in polypropylene by synergistic charring effect of a hypophosphite/cyclotetrasiloxane bi-group compound. <i>Polymer Degradation and Stability</i> , 2020, 181, 109281. | 2.7 | 30 |
| 292 | Thermal Degradation of Cellulose Filaments and Nanocrystals. <i>Biomacromolecules</i> , 2020, 21, 3374-3386. | 2.6 | 62 |
| 293 | Synthesis, structure, optical and thermal analysis of the new compound (C ₃ N ₆ H ₇) ₂ Te(OH) ₆ .2Cl. <i>Journal of Molecular Structure</i> , 2020, 1217, 128427. | 1.8 | 6 |
| 294 | Reactive and Additive Modifications of Styrenic Polymers with Phosphorus-Containing Compounds and Their Effects on Fire Retardance. <i>Molecules</i> , 2020, 25, 3779. | 1.7 | 14 |
| 295 | Basic Ingredients of Intumescent Compositions. <i>Springer Series on Polymer and Composite Materials</i> , 2020, , 1-51. | 0.5 | 1 |
| 296 | 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. | 1.7 | 70 |
| 297 | Study on the char-forming and synergistic flame retardant performance of SEBS/HIPS/PPO composites applied for cable. <i>Plastics, Rubber and Composites</i> , 2020, 49, 222-229. | 0.9 | 12 |
| 298 | Flame-Retardant Wood Composites Based on Immobilizing with Chitosan/Sodium Phytate/Nano-TiO ₂ -ZnO Coatings via Layer-by-Layer Self-Assembly. <i>Coatings</i> , 2020, 10, 296. | 1.2 | 49 |
| 299 | Flame retardancy, thermal properties, and combustion behaviors of intumescent flame-retardant polypropylene containing (poly) piperazine pyrophosphate and melamine polyphosphate. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2701-2710. | 1.6 | 25 |
| 300 | The flame retardant and thermal performances of polypropylene with a novel intumescent flame retardant. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49047. | 1.3 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 301 | Base Promoted Intumescence of Phenols. <i>Polymers</i> , 2020, 12, 261. | 2.0 | 3 |
| 302 | Flame retardancy of water-based intumescent coatings with etherified melamine-formaldehyde and polyvinyl acetate copolymer hybrid resin. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49279. | 1.3 | 9 |
| 303 | Design, synthesis and application of a highly efficient mono-component intumescent flame retardant for non-charring polyethylene composites. <i>Polymer Bulletin</i> , 2021, 78, 643-662. | 1.7 | 12 |
| 304 | UV curable flame retardant coating: a novel synthetic approach of trispiperazido phosphate based reactive diluent. <i>Pigment and Resin Technology</i> , 2021, 50, 271-283. | 0.5 | 11 |
| 305 | Intumescent fire-retardant acrylic coatings: Effects of additive loading ratio and scale of testing. <i>Progress in Organic Coatings</i> , 2021, 150, 105985. | 1.9 | 15 |
| 306 | Development of value-added polyethylene grades with extended service lifetime: Weathering resistant flame retarded materials for outdoor applications. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50370. | 1.3 | 3 |
| 307 | A chain is no stronger than its weakest link: Weathering resistance of water-based intumescent coatings for steel applications. <i>Journal of Fire Sciences</i> , 2021, 39, 72-102. | 0.9 | 7 |
| 308 | Effect of Layered Double Hydroxide on Rheological and Flame-Retardant Properties of Styrene-Butadiene-Styrene-Modified Asphalt. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, . | 1.3 | 13 |
| 309 | Combustion Behavior and Thermal Degradation Properties of Wood Impregnated with Intumescent Biomass Flame Retardants: Phytic Acid, Hydrolyzed Collagen, and Glycerol. <i>ACS Omega</i> , 2021, 6, 3921-3930. | 1.6 | 45 |
| 310 | Effect of nano titanium dioxide in intumescent fireproof coating on thermal performance and char morphology. <i>Materials Today: Proceedings</i> , 2021, 47, 3462-3467. | 0.9 | 11 |
| 311 | Tannic acid based ^{super}intumescent coatings for prolonged fire protection of cardboard and wood. <i>SPE Polymers</i> , 2021, 2, 153-168. | 1.4 | 6 |
| 312 | Fire blanket and intumescent coating materials for failure resistance. <i>MRS Bulletin</i> , 2021, 46, 429-434. | 1.7 | 7 |
| 313 | Core-shell ammonium polyphosphate@nanoscopic aluminum hydroxide microcapsules: Preparation, characterization, and its flame retardancy performance on wood pulp paper. <i>Chemical Engineering Journal Advances</i> , 2021, 6, 100096. | 2.4 | 6 |
| 314 | Rigid Polyurethane Foams Containing Modified Ammonium Polyphosphate Having Outstanding Charring Ability and Increased Flame Retardancy. <i>Frontiers in Materials</i> , 2021, 8, . | 1.2 | 10 |
| 315 | Characterization and fire protection properties of rubberwood biomass ash formulated intumescent coatings for steel. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2096-2106. | 2.6 | 6 |
| 316 | Bench-scale fire stability testing – Assessment of protective systems on carbon fibre reinforced polymer composites. <i>Polymer Testing</i> , 2021, 102, 107340. | 2.3 | 4 |
| 317 | Synthesis and characterization of PEDMCD as a flame retardant and its application in epoxy resins. <i>RSC Advances</i> , 2021, 11, 2756-2766. | 1.7 | 9 |
| 318 | Types of Flame Retardants Used for the Synthesis of Flame-Retardant Polymers. <i>Springer Series in Materials Science</i> , 2020, , 15-45. | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 319 | Development of led-curable intumescent polymer coatings for fire protection of building constructions. IOP Conference Series: Materials Science and Engineering, 0, 666, 012089. | 0.3 | 3 |
| 320 | Uses of Fire Tests in Materials Flammability Development. , 2009, , 387-420. | | 7 |
| 321 | SOME ASPECTS OF MECHANICAL STABILITY OF INTUMESCENT CHARs. , 1998, , 104-112. | | 11 |
| 322 | SPECIAL FEATURES OF BUBBLE FORMATION DURING INTUMESCENT SYSTEMS BURNING. , 1998, , 140-151. | | 6 |
| 323 | INTUMESCENT CHARs. , 1998, , 88-103. | | 7 |
| 324 | ROLE OF MIGRATION PROCESS IN THE EFFICIENCY OF INTUMESCENT FLAME RETARDANT ADDITIVES IN POLYPROPYLENE. , 1998, , 325-340. | | 11 |
| 325 | Effect of Metal Oxides on Fire Resistance and Char Formation of Intumescent Flame Retardant Coating. Wujia Cailiao Xuebao/Journal of Inorganic Materials, 2014, 29, 972. | 0.6 | 9 |
| 326 | Flame Retardancy Effects on Intumescent Coatings with Vinyl Acetate Copolymers. International Polymer Processing, 2019, 34, 541-550. | 0.3 | 4 |
| 327 | Effect of Cyclotriphosphazene-Based Curing Agents on the Flame Resistance of Epoxy Resins. Polymers, 2021, 13, 8. | 2.0 | 10 |
| 328 | SYNERGISTIC EFFECT OF METAL OXIDES ON INTUMESCENT FLAME-RETARDANT PP SYSTEMS. Acta Polymerica Sinica, 2009, 009, 1205-1210. | 0.0 | 11 |
| 329 | Structure-char Forming Relationship In Intumescent Fire Retardant Systems. Fire Safety Science, 1991, 3, 537-546. | 0.3 | 2 |
| 330 | Three-dimensional Modeling Of Intumescent Behavior In Fires. Fire Safety Science, 1997, 5, 523-534. | 0.3 | 15 |
| 331 | A Study of Bonding Mechanism of Expandable Graphite Based Intumescent Coating on Steel Substrate. Journal of Applied Sciences, 2011, 11, 1630-1635. | 0.1 | 18 |
| 332 | PREPARATION OF TRIAZINE BASED CROSSLINKED POLYMERS AND THEIR CHARRING PROPERTIES. Acta Polymerica Sinica, 2009, 009, 325-330. | 0.0 | 0 |
| 333 | THERMAL DEGRADATION OF AN INTUMESCENT (STYRENE - BUTADIENE COPOLYMER / AMMONIUM) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | | |
| 334 | Synthesis of Melamine Phosphate-Polyurethane Composite Foam Blown by Water and Characterization of Its Thermal Properties. Porrima, 2014, 38, 441-448. | 0.0 | 0 |
| 336 | Structural Behaviour of Composite Materials in Fire. , 2020, , 149-168. | | 0 |
| 337 | From Waste to Chemicals: Bio-Oils Production Through Microwave-Assisted Pyrolysis. Biofuels and Biorefineries, 2020, , 207-231. | 0.5 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 338 | Using recombinant adhesive proteins as durable and green flame-retardant coatings. <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 369-376. | 1.8 | 14 |
| 339 | Sequence Does Not Matter: The Biomedical Applications of DNA-Based Coatings and Cores. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12884. | 1.8 | 6 |
| 340 | Brominated flame retardants, a cornelian dilemma. <i>Environmental Chemistry Letters</i> , 2023, 21, 9-14. | 8.3 | 6 |
| 341 | Intumescent flame retardants inspired template-assisted synthesis of N/P dual-doped three-dimensional porous carbons for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 35-46. | 5.0 | 15 |
| 342 | Effect of titania, barite, and kaolinite fillers on char layer formation in water-based intumescent fire-retardant coatings. <i>Journal of Coatings Technology Research</i> , 2022, 19, 1067-1075. | 1.2 | 3 |
| 343 | Material-scale flammability characteristics of epoxy-based coating systems. <i>Journal of Fire Sciences</i> , 0, , 073490412210858. | 0.9 | 0 |
| 344 | Poly(ethyl methacrylate) Composite Coatings Containing Halogen-Free Inorganic Additives with Flame-Retardant Properties. <i>Journal of Composites Science</i> , 2022, 6, 104. | 1.4 | 1 |
| 345 | 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, . | 0.4 | 2 |
| 346 | Microbial production of 2-pyrone-4,6-dicarboxylic acid from lignin derivatives in an engineered <i>Pseudomonas putida</i> and its application for the synthesis of bio-based polyester. <i>Bioresource Technology</i> , 2022, 352, 127106. | 4.8 | 15 |
| 347 | Bio-based coating of phytic acid, chitosan, and biochar for flame-retardant cotton fabrics. <i>Polymer Degradation and Stability</i> , 2022, 199, 109898. | 2.7 | 31 |
| 348 | Thermal decomposition behaviors of a self-intumescent flame retardant epoxy resin. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 1.3 | 4 |
| 349 | Morphology of wood degradation and flame retardants wood coating technology: an overview. <i>International Wood Products Journal</i> , 2022, 13, 21-40. | 0.6 | 10 |
| 350 | Kinetic analysis of the thermal degradation of an intumescent fire retardant coated green biocomposite. <i>Thermochimica Acta</i> , 2022, 711, 179211. | 1.2 | 10 |
| 351 | A novel highly efficient intumescent flame-retardant polypropylene: Thermal degradation, flame retardance and mechanism. <i>Journal of Polymer Research</i> , 2022, 29, . | 1.2 | 12 |
| 352 | Expandable Graphite for Flame-Retardant Polyurethane Foams. <i>ACS Symposium Series</i> , 0, , 65-86. | 0.5 | 0 |
| 353 | Study of Intumescent Coatings Growth for Fire Retardant Systems in Naval Applications: Experimental Test and Mathematical Model. <i>Coatings</i> , 2022, 12, 1180. | 1.2 | 7 |
| 354 | A novel bio-based, flame retardant and latent imidazole compound—its synthesis and uses as curing agent for epoxy resins. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 1.3 | 6 |
| 355 | Influence of chicken feather fibre processing technique on mechanical and fire performances of flame-retardant polypropylene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2023, 165, 107338. | 3.8 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 356 | Synergistic action of expandable graphite on fire safety of a self-extinguishing intumescent flame retardant epoxy resin. <i>Journal of Applied Polymer Science</i> , 2023, 140, . | 1.3 | 2 |
| 357 | Thermal properties of intumescent coating with waterborne melamine-acrylic emulsion resin for plywood. <i>Journal of Coatings Technology Research</i> , 0, , . | 1.2 | 0 |
| 358 | Use of fly ash as synergistic and reactive component of flame retardant system in polylactide. <i>Polymer Degradation and Stability</i> , 2023, 211, 110314. | 2.7 | 2 |
| 359 | Waterborne etherified MF and PVAc hybrid resin containing nanoclay as intumescent flame-retardant plywood coatings. <i>Journal of Coatings Technology Research</i> , 2023, 20, 843-856. | 1.2 | 2 |
| 360 | Micro combustion calorimeter for development of fire protective paints. <i>Journal of Thermal Analysis and Calorimetry</i> , 2023, 148, 3993-4000. | 2.0 | 2 |
| 365 | Flame Retardancy of Textiles—New Strategies and Mechanisms. <i>Advanced Structured Materials</i> , 2023, , 279-317. | 0.3 | 0 |
| 367 | Green Synthesis of Organic-Inorganic Hybrid Fire Retardants. , 2023, , 295-355. | | 0 |