

# Mingfeng Chen

## List of Publications by Year in descending order

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20  
papers

442  
citations

1040056

9  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smoke suppression and thermal conductivity of epoxy resin modified by Al <sub>2</sub> O <sub>3</sub> and hyperbranched flame retardant. Journal of Applied Polymer Science, 2022, 139, 51654.	2.6	14
2	From laboratory to industrialization: Eco-friendly flame retardant endowing epoxy resin with excellent flame retardancy, transparency, and mechanical properties. Polymers for Advanced Technologies, 2022, 33, 1695-1705.	3.2	6
3	A novel polyaromatic ring phosphor-nitrogen imidazole derivative endowing epoxy resin with remarkable flame retardancy and mechanical properties. Journal of Polymer Research, 2022, 29, .	2.4	4
4	An effective strategy to enhance the flame retardancy and mechanical properties of epoxy resin by using hyperbranched flame retardant. Journal of Materials Science, 2021, 56, 5956-5974.	3.7	44
5	Biological compatibility, thermal and in vitro simulated degradation for poly( p ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (8) Materials Research - Part B Applied Biomaterials, 2021, 109, 1817-1835.	3.4	1
6	Novel Si/N/P-Containing Flame Retardant for Epoxy Resin with Excellent Comprehensive Performance. ChemistrySelect, 2021, 6, 13873-13883.	1.5	4
7	Highly efficient multielement flame retardant for multifunctional epoxy resin with satisfactory thermal, flame-retardant, and mechanical properties. Polymers for Advanced Technologies, 2020, 31, 146-159.	3.2	27
8	Tough polyacrylamide-tannic acid-kaolin adhesive hydrogels for quick hemostatic application. Materials Science and Engineering C, 2020, 109, 110649.	7.3	75
9	Preparation, flame retardancy, and mechanical properties of flame-retardant glass fibre reinforced epoxy composites. Plastics, Rubber and Composites, 2020, 49, 443-449.	2.0	2
10	Preparation and UV aging of nano-SiO <sub>2</sub> /fluorinated polyacrylate polyurethane hydrophobic composite coating. Progress in Organic Coatings, 2020, 141, 105556.	3.9	43
11	A novel hydrophobic coating film of water-borne fluoro-silicon polyacrylate polyurethane with properties governed by surface self-segregation. Progress in Organic Coatings, 2019, 134, 134-144.	3.9	52
12	Design, synthesis, and theoretical analysis of thermal stability epoxy resins obtained through a facile and cost-effective approach. Chemical Physics Letters, 2019, 727, 38-44.	2.6	1
13	Simultaneously Improving the Thermal, Flame-Retardant and Mechanical Properties of Epoxy Resins Modified by a Novel Multi-Element Synergistic Flame Retardant. Macromolecular Materials and Engineering, 2019, 304, 1800619.	3.6	50
14	Shrimp Shell-Inspired Antifouling Chitin Nanofibrous Membrane for Efficient Oil/Water Emulsion Separation with In Situ Removal of Heavy Metal Ions. ACS Sustainable Chemistry and Engineering, 2019, 7, 2064-2072.	6.7	73
15	Characterization of a novel silicon-containing hybrid polymer by thermal curing, pyrolysis behavior, and fluorescence analysis. Journal of Applied Polymer Science, 2019, 136, 47403.	2.6	7
16	Preparation, characterization and properties of fiber reinforced composites using silicon-containing hybrid polymers. Polymers for Advanced Technologies, 2017, 28, 145-151.	3.2	4
17	The curing and degradation kinetics of modified epoxy-SiO <sub>2</sub> composite. Journal of Thermal Analysis and Calorimetry, 2017, 130, 2123-2131.	3.6	9
18	Correlation of cross-linked structures and properties in the characterization of dimethyl-diphenylethynyl-silane using DSC, TGA and Py-GC/MS analysis. Polymer Degradation and Stability, 2015, 112, 35-42.	5.8	8

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19	Synthesis, curing behavior and thermal properties of silicon-containing hybrid polymers with Si <sup>+</sup> C <sub>60</sub> units. <i>Polymer International</i> , 2014, 63, 1531-1536.	3.1	14
20	Synthesis, cure and pyrolysis behavior of heat-resistant boron-silicon hybrid polymer containing acetylene. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1322-1327.	2.6	4