

# Chunling Zhang

## List of Publications by Year in descending order

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papers

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516710

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26  
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docs citations

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times ranked

822  
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#	ARTICLE	IF	CITATIONS
1	POSS-functionalized graphene oxide hybrids with improved dispersive and smoke-suppressive properties for epoxy flame-retardant application. <i>European Polymer Journal</i> , 2020, 122, 109383.	5.4	57
2	Thermal and flame-retardant properties of intrinsic flame-retardant epoxy resin containing biphenyl structures and phosphorus. <i>European Polymer Journal</i> , 2021, 147, 110319.	5.4	52
3	Novel bioderived cross-linked polyphosphazene microspheres decorated with FeCo-layered double hydroxide as an all-in-one intumescent flame retardant for epoxy resin. <i>Composites Part B: Engineering</i> , 2022, 229, 109463.	12.0	50
4	Superior radical scavenging and catalytic carbonization capacities of bioderived assembly modified ammonium polyphosphate as a mono-component intumescent flame retardant for epoxy resin. <i>European Polymer Journal</i> , 2021, 156, 110601.	5.4	49
5	Preparation and Corrosion Resistance of ETEO Modified Graphene Oxide/Epoxy Resin Coating. <i>Coatings</i> , 2019, 9, 46.	2.6	42
6	Improved flame retardancy of epoxy resin composites modified with a low additive content of silica-microencapsulated phosphazene flame retardant. <i>Reactive and Functional Polymers</i> , 2020, 148, 104485.	4.1	40
7	Effect of phosphorus-containing flame retardants on flame retardancy and thermal stability of tetrafunctional epoxy resin. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1531-1536.	3.2	37
8	Preparation and properties of epoxy resin composites containing hexaphenoxycyclotriphosphazene. <i>High Performance Polymers</i> , 2014, 26, 114-121.	1.8	29
9	PNIPAM-MAPOSS Hybrid Hydrogels with Excellent Swelling Behavior and Enhanced Mechanical Performance: Preparation and Drug Release of 5-Fluorouracil. <i>Polymers</i> , 2018, 10, 137.	4.5	29
10	Thermal insulation and stability of polysiloxane foams containing hydroxyl-terminated polydimethylsiloxanes. <i>RSC Advances</i> , 2018, 8, 9901-9909.	3.6	28
11	A green self-assembled organic supermolecule as an effective flame retardant for epoxy resin. <i>RSC Advances</i> , 2020, 10, 12492-12503.	3.6	25
12	Compatible cyclophosphazene-functionalized graphene hybrids to improve flame retardancy for epoxy nanocomposites. <i>Reactive and Functional Polymers</i> , 2020, 155, 104697.	4.1	24
13	Improved thermal properties of epoxy resin modified with polymethyl methacrylate-microencapsulated phosphorus-nitrogen-containing flame retardant. <i>RSC Advances</i> , 2018, 8, 29816-29829.	3.6	22
14	Transcriptomic Analysis of Differentially Expressed Genes during Flower Organ Development in Genetic Male Sterile and Male Fertile <i>Tagetes erecta</i> by Digital Gene-Expression Profiling. <i>PLoS ONE</i> , 2016, 11, e0150892.	2.5	19
15	Preparation of dual-functionalized graphene oxide for the improvement of the thermal stability and flame-retardant properties of polysiloxane foam. <i>New Journal of Chemistry</i> , 2018, 42, 13873-13883.	2.8	18
16	Green self-assembly of h-BN@PDA@MoS <sub>2</sub> nanosheets by polydopamine as fire hazard suppression materials. <i>Reactive and Functional Polymers</i> , 2021, 165, 104965.	4.1	18
17	Effect of hexaphenoxycyclotriphosphazene combined with octapropylglycidylether polyhedral oligomeric silsesquioxane on thermal stability and flame retardancy of epoxy resin. <i>High Performance Polymers</i> , 2014, 26, 744-752.	1.8	17
18	Characterization and Functional Analysis of Five MADS-Box B Class Genes Related to Floral Organ Identification in <i>Tagetes erecta</i> . <i>PLoS ONE</i> , 2017, 12, e0169777.	2.5	16

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19	Study on morphology and mechanical properties of PMMA-based nanocomposites containing POSS molecules or functionalized SiO <sub>2</sub> particles. <i>High Performance Polymers</i> , 2011, 23, 468-476.	1.8	15
20	Myocardin-related transcription factor A is up-regulated by 17 $\beta$ -estradiol and promotes migration of MCF-7 breast cancer cells via transactivation of <i>MYL9</i> and <i>CYR61</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2013, 45, 921-927.	2.0	15
21	Effects of hollow microspheres on the thermal insulation of polysiloxane foam. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	15
22	Effects of Emulsifier Type and Post-Treatment on Stability, Curcumin Protection, and Sterilization Ability of Nanoemulsions. <i>Foods</i> , 2021, 10, 149.	4.3	15
23	Gelation behaviour and gel properties of two-component organogels containing a photoresponsive gelator. <i>New Journal of Chemistry</i> , 2017, 41, 8614-8619.	2.8	14
24	Identification, characterization and functional analysis of AGAMOUS subfamily genes associated with floral organs and seed development in Marigold ( <i>Tagetes erecta</i> ). <i>BMC Plant Biology</i> , 2020, 20, 439.	3.6	14
25	Effect of draw ratio on the morphologies and properties of BPDA/PMDA/ODA polyimide fibers. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 163-167.	2.6	13
26	Covalently functionalized graphene oxide wrapped by silicon-nitrogen-containing molecules: preparation and simultaneous enhancement of the thermal stability, flame retardancy and mechanical properties of epoxy resin nanocomposites. <i>RSC Advances</i> , 2020, 10, 13949-13959.	3.6	13
27	Synthesis and performance of flexible epoxy resin with long alkyl side chains via click reaction. <i>Journal of Polymer Science</i> , 2021, 59, 627-637.	3.8	13
28	Multiple Physically Cross-Linked F127- $\beta$ -CD Hydrogels: Preparation, Sol-Gel Transformation, and Controlled Release of 5-Fluorouracil. <i>ACS Applied Bio Materials</i> , 2019, 2, 527-532.	4.6	11
29	Fabrication of polysiloxane foam with a pendent phenyl group for improved thermal insulation capacity and thermal stability. <i>New Journal of Chemistry</i> , 2019, 43, 6136-6145.	2.8	11
30	Octasilsesquioxane-reinforced TMBP epoxy nanocomposites: Characterization of thermal, flame-retardant, and morphological properties. <i>High Performance Polymers</i> , 2012, 24, 747-755.	1.8	10
31	Morphology, thermal properties, and fire behavior of epoxy resin nanocomposites containing octaammonium polyhedral oligomeric silsesquioxane-modified montmorillonite. <i>High Performance Polymers</i> , 2013, 25, 992-999.	1.8	10
32	Thermal Energy Storage Capability of Polyurethane Foams Incorporated with Microencapsulated Phase Change Material. <i>ChemistrySelect</i> , 2018, 3, 3180-3186.	1.5	10
33	Preparation of a novel pH-sensitive hydrogel based on acrylic acid and polyhedral oligomeric silsesquioxane for controlled drug release of theophylline. <i>Polymer Bulletin</i> , 2014, 71, 1877-1889.	3.3	9
34	Effects of Polyhedral Oligomeric Silsesquioxane (POSS) on Thermal and Mechanical Properties of Polysiloxane Foam. <i>Materials</i> , 2020, 13, 4570.	2.9	8
35	Dynamic Tannic Acid Hydrogel with Self-Healing and pH Sensitivity for Controlled Release. <i>Macromolecular Bioscience</i> , 2021, 21, e2100055.	4.1	8
36	Synthesis of functionalized fluorine-containing hyperbranched poly(aryl ether ketones) for optical applications. <i>Polymer Science - Series A</i> , 2006, 48, 1035-1040.	1.0	7

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37	Synthesis and thermal stability of hybrid polymers using UV photopolymerization based on polyhedral oligomeric silsesquioxanes. <i>High Performance Polymers</i> , 2012, 24, 274-281.	1.8	7
38	Functional Analysis of the Marigold ( <i>Tagetes erecta</i> ) Lycopene $\beta$ -cyclase (TelCYe) Promoter in Transgenic Tobacco. <i>Molecular Biotechnology</i> , 2019, 61, 703-713.	2.4	7
39	Thermally induced and physically cross-linked hydrogel doped with graphene oxide for controlled release. <i>Soft Matter</i> , 2021, 17, 3664-3671.	2.7	7
40	Preparation of biomimetic membrane with hierarchical structure and honeycombed through-hole for enhanced oil-water separation performance. <i>Polymer</i> , 2021, 218, 123522.	3.8	7
41	Synthesis, Characterization, and Functionalization of Hyperbranched Poly(ether ether ketone)s with Phenoxyphenyl Side Group. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 748-753.	2.2	6
42	Effects of incorporating acryloisobutyl polyhedral oligomeric silsesquioxane on the properties of P(N-isopropylacrylamide-co-poly(ethylene glycol) diacrylate) hybrid hydrogels. <i>Polymer Bulletin</i> , 2017, 74, 1831-1847.	3.3	6
43	Bioderived Bilayer Shell Modification of $\text{FeOOH}$ Nanorods via Self-Assembly Technique as Sustainable Flame Retardants for Enhancing Flame Retardancy of Epoxy Resin. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100239.	3.6	6
44	Effect of surface-modified clay on the thermal stability and insulation of polyorganosiloxane foam. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 867-871.	2.6	5
45	Effect of polyaniline-modified glass fibers on the anticorrosion performance of epoxy coatings. <i>Journal of Coatings Technology Research</i> , 2017, 14, 407-415.	2.5	5
46	Dual responsive oligo(lysine)-modified Pluronic F127 hydrogels for drug release of 5-fluorouracil. <i>RSC Advances</i> , 2020, 10, 24507-24514.	3.6	5
47	Interaction between soy protein isolate and surfactant at the interface of antibacterial nanoemulsions loaded with riboflavin tetra butyrate. <i>International Journal of Food Science and Technology</i> , 2022, 57, 931-941.	2.7	4
48	Functional Conservation and Divergence of Five AP1/FUL-like Genes in Marigold ( <i>Tagetes erecta</i> L.). <i>Genes</i> , 2021, 12, 2011.	2.4	3
49	Synthesis, pH sensitivity, and drug release behavior of acrylic acid and polyhedral oligomeric silsesquioxane copolymer. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3162-3169.	2.6	2
50	Lamellar-cubic transition of a dihydrazide derivative and its effect on the gel stability. <i>Soft Matter</i> , 2018, 14, 3536-3540.	2.7	2
51	Synthesis and characterization of the B3-monomer and hyperbranched poly(aryl ether ketone)s. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 203-206.	0.4	1
52	Synthesis of fluorescent hyperbranched poly(aryl ether ketones) containing biphenyl units. <i>Polymer Science - Series B</i> , 2007, 49, 203-208.	0.8	1
53	Preparation of HPEEK by Oligomer A2+B3 Approach. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 742-747.	2.2	1
54	Phase transition behaviors of the self-assembled structures of a dihydrazide derivative. <i>Soft Materials</i> , 2020, 18, 67-73.	1.7	0

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55	Preparation of polysiloxane foam with graphene for promoting electromagnetic interference shielding performance and thermal stability. Journal of Applied Polymer Science, 0, , 52376.	2.6	0