Aijuan Gu

List of Publications by Year
in descending order

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276	8,024	44042	91828
papers	citations	48 h-index	69 g-index

276	276	276	6735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biobased Heat Resistant Epoxy Resin with Extremely High Biomass Content from 2,5-Furandicarboxylic Acid and Eugenol. ACS Sustainable Chemistry and Engineering, 2017, 5, 7003-7011.	3.2	186
2	Effect of the surface roughness on interfacial properties of carbon fibers reinforced epoxy resin composites. Applied Surface Science, 2011, 257, 4069-4074.	3.1	176
3	The production of carbon nanotube/epoxy composites with a very high dielectric constant and low dielectric loss by microwave curing. Carbon, 2012, 50, 689-698.	5.4	167
4	Multifunctional Cyclotriphosphazene/Hexagonal Boron Nitride Hybrids and Their Flame Retarding Bismaleimide Resins with High Thermal Conductivity and Thermal Stability. ACS Applied Materials & Interfaces, 2014, 6, 14931-14944.	4.0	151
5	Thermal degradation behaviour and kinetic analysis of epoxy/montmorillonite nanocomposites. Polymer Degradation and Stability, 2003, 80, 383-391.	2.7	136
6	Flame retardancy materials based on a novel fully end-capped hyperbranched polysiloxane and bismaleimide/diallylbisphenol A resin with simultaneously improved integrated performance. Journal of Materials Chemistry, 2011, 21, 6584.	6.7	119
7	Two-layer materials of polyethylene and a carbon nanotube/cyanate ester composite with high dielectric constant and extremely low dielectric loss. Carbon, 2013, 54, 224-233.	5.4	118
8	Effect of amino-functionalization of multi-walled carbon nanotubes on the dispersion with epoxy resin matrix. Journal of Applied Polymer Science, 2006, 100, 97-104.	1.3	117
9	Thermo-oxygen degradation mechanisms of POSS/epoxy nanocomposites. Polymer Degradation and Stability, 2007, 92, 1986-1993.	2.7	110
10	Preparation and properties of poly(ureaâ€“formaldehyde) microcapsules filled with epoxy resins. Materials Chemistry and Physics, 2008, 110, 417-425.	2.0	109
11	The effect of oxygen-plasma treatment on Kevlar fibers and the properties of Kevlar fibers/bismaleimide composites. Applied Surface Science, 2011, 257, 3158-3167.	3.1	109
12	A novel inorganicâ€“organic hybridized intumescent flame retardant and its super flame retarding cyanate ester resins. Journal of Materials Chemistry A, 2013, 1, 2169-2182.	5.2	95
13	The origin of the electric and dielectric behavior of expanded graphiteâ€“carbon nanotube/cyanate ester composites with very high dielectric constant and low dielectric loss. Carbon, 2012, 50, 4995-5007.	5.4	94
14	A novel strategy of fabricating high performance UV-resistant aramid fibers with simultaneously improved surface activity, thermal and mechanical properties through building polydopamine and graphene oxide bi-layer coatings. Chemical Engineering Journal, 2017, 310, 134-147.	6.6	91
15	Novel phosphorus-containing hyperbranched polysiloxane and its high performance flame retardant cyanate ester resins. Polymer Degradation and Stability, 2013, 98, 597-608.	2.7	86
16	Thermal degradation behavior of multi-walled carbon nanotubes/polyamide 6 composites. Polymer Degradation and Stability, 2006, 91, 2046-2052.	2.7	82
17	Fabrication and origin of high-k carbon nanotube/epoxy composites with low dielectric loss through layer-by-layer casting technique. Carbon, 2015, 85, 28-37.	5.4	82
18	Heat-resistant polyurethane films with great electrostatic dissipation capacity and very high thermally reversible self-healing efficiency based on multi-furan and liquid multi-maleimide polymers. Journal of Materials Chemistry A, 2016, 4, 4232-4241.	5.2	79

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19	Effect of multi-walled carbon nanotubes on non-isothermal crystallization kinetics of polyamide 6. European Polymer Journal, 2006, 42, 3230-3235.	2.6	77
20	Carbon nanotubes/cyanate ester composites with low percolation threshold, high dielectric constant and outstanding thermal property. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1321-1328.	3.8	76
21	Highâ€performance hexagonal boron nitride/bismaleimide composites with high thermal conductivity, low coefficient of thermal expansion, and low dielectric loss. Polymers for Advanced Technologies, 2012, 23, 919-928.	1.6	72
22	Developing Reversible Self-Healing and Malleable Epoxy Resins with High Performance and Fast Recycling through Building Cross-Linked Network with New Disulfide-Containing Hardener. Industrial & Engineering Chemistry Research, 2018, 57, 12397-12406.	1.8	72
23	Novel preparation and mechanical properties of rigid polyurethane foam/organoclay nanocomposites. Journal of Applied Polymer Science, 2007, 106, 439-447.	1.3	71
24	Mechanically durable and self-healing super-hydrophobic coating with hierarchically structured KH570 modified SiO2-decorated aligned carbon nanotube bundles. Chemical Engineering Journal, 2021, 408, 127263.	6.6	67
25	New composites with high thermal conductivity and low dielectric constant for microelectronic packaging. Polymer Composites, 2010, 31, 307-313.	2.3	66
26	High performance CaCu3Ti4O12/cyanate ester composites with excellent dielectric properties and thermal resistance. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1668-1676.	3.8	66
27	Preparation and properties of novel high performance UV-curable epoxy acrylate/hyperbranched polysiloxane coatings. Progress in Organic Coatings, 2012, 74, 142-150.	1.9	65
28	Water-Phase Synthesis of a Biobased Allyl Compound for Building UV-Curable Flexible Thiolâ€“Ene Polymer Networks with High Mechanical Strength and Transparency. ACS Sustainable Chemistry and Engineering, 2018, 6, 7902-7909.	3.2	65
29	The effects of the variations of carbon nanotubes on the micro-tribological behavior of carbon nanotubes/bismaleimide nanocomposite. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1957-1964.	3.8	63
30	Multi-functional ladderlike polysiloxane: synthesis, characterization and its high performance flame retarding bismaleimide resins with simultaneously improved thermal resistance, dimensional stability and dielectric properties. Journal of Materials Chemistry A, 2014, 2, 7491-7501.	5.2	62
31	Novel toughened cyanate ester resin with good dielectric properties and thermal stability by copolymerizing with hyperbranched polysiloxane and epoxy resin. Polymers for Advanced Technologies, 2011, 22, 710-717.	1.6	61
32	Novel low phosphorus-content bismaleimide resin system with outstanding flame retardancy and low dielectric loss. Polymer Degradation and Stability, 2012, 97, 698-706.	2.7	60
33	Facile Preparation of Hyperbranched Polysiloxane-Grafted Aramid Fibers with Simultaneously Improved UV Resistance, Surface Activity, and Thermal and Mechanical Properties. Industrial & Engineering Chemistry Research, 2014, 53, 2684-2696.	1.8	60
34	Polymorphism of nylon-6 in multiwalled carbon nanotubes/nylon-6 composites. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1499-1512.	2.4	59
35	Isothermal crystallization kinetics and melting behavior of multiwalled carbon nanotubes/polyamide-6 composites. Journal of Applied Polymer Science, 2007, 105, 3531-3542.	1.3	58
36	Surface functionalization of hexagonal boron nitride and its effect on the structure and performance of composites. Applied Surface Science, 2013, 270, 561-571.	3.1	58

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37	Biobased epoxy resin derived from eugenol with excellent integrated performance and high renewable carbon content. Polymer International, 2018, 67, 1194-1202.	1.6	58
38	Lubrication Effect of the Paraffin Oil Filled with Functionalized Multiwalled Carbon Nanotubes for Bismaleimide Resin. Tribology Letters, 2011, 42, 59-65.	1.2	57
39	Developing high performance cyanate ester resin with significantly reduced postcuring temperature while improved toughness, rigidity, thermal and dielectric properties based on manganese-Schiff base hybridized graphene oxide. Chemical Engineering Journal, 2016, 298, 214-224.	6.6	56
40	Improving the mechanical, thermal, dielectric and flame retardancy properties of cyanate ester with the encapsulated epoxy resin-penetrated aligned carbon nanotube bundle. Composites Part B: Engineering, 2017, 123, 81-91.	5.9	56
41	Building unique surface structure on aramid fibers through a green layer-by-layer self-assembly technique to develop new high performance fibers with greatly improved surface activity, thermal resistance, mechanical properties and UV resistance. Applied Surface Science, 2017, 411, 34-45.	3.1	55
42	Developing self-healable and antibacterial polyacrylate coatings with high mechanical strength through crosslinking by multi-amine hyperbranched polysiloxane via dynamic vinylogous urethane. Journal of Materials Chemistry A, 2017, 5, 16889-16897.	5.2	55
43	A cyanate ester/microcapsule system with low cure temperature and self-healing capacity. Composites Science and Technology, 2013, 87, 111-117.	3.8	54
44	New high performance transparent UV-curable poly(methyl methacrylate) grafted ZnO/silicone-acrylate resin composites with simultaneously improved integrated performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 396, 74-82.	2.3	52
45	Flame retardancy and flame retarding mechanism of high performance hyperbranched polysiloxane modified bismaleimide/cyanate ester resin. Polymer Degradation and Stability, 2011, 96, 505-514.	2.7	51
46	Thermally Conductive Aluminum Nitrideâ€“Multiwalled Carbon Nanotube/Cyanate Ester Composites with High Flame Retardancy and Low Dielectric Loss. Industrial & Engineering Chemistry Research, 2013, 52, 3342-3353.	1.8	51
47	Unique hybridized graphene and its high dielectric constant composites with enhanced frequency stability, low dielectric loss and percolation threshold. Carbon, 2014, 77, 920-932.	5.4	50
48	A reconfiguring and self-healing thermoset epoxy/chain-extended bismaleimide resin system with thermally dynamic covalent bonds. Polymer, 2018, 147, 170-182.	1.8	50
49	Novel modification of bismaleimideâ€“triazine resin by reactive hyperbranched polysiloxane. Journal of Materials Science, 2010, 45, 1859-1865.	1.7	49
50	Thermally resistant thermadapt shape memory crosslinked polymers based on silyl ether dynamic covalent linkages for self-folding and self-deployable smart 3D structures. Journal of Materials Chemistry A, 2019, 7, 9736-9747.	5.2	49
51	Novel permittivity gradient carbon nanotubes/cyanate ester composites with high permittivity and extremely low dielectric loss. Journal of Materials Chemistry, 2011, 21, 14838.	6.7	48
52	Unique hybridized carbon nanotubes and their high performance flame retarding composites with high smoke suppression, good toughness and low curing temperature. Journal of Materials Chemistry A, 2014, 2, 4975-4988.	5.2	48
53	Characterization of hydroxyapatite-coated bacterial cellulose scaffold for bone tissue engineering. Biotechnology and Bioprocess Engineering, 2015, 20, 948-955.	1.4	48
54	Flame Retarding Cyanate Ester Resin with Low Curing Temperature, High Thermal Resistance, Outstanding Dielectric Property, and Low Water Absorption for High Frequency and High Speed Printed Circuit Broads. Industrial & Engineering Chemistry Research, 2015, 54, 1806-1815.	1.8	44

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55	Toughening of cyanate ester resin by carboxyl terminated nitrile rubber. Polymers for Advanced Technologies, 2004, 15, 628-631.	1.6	43
56	Preparation and Characterization of Resorbable Bacterial Cellulose Membranes Treated by Electron Beam Irradiation for Guided Bone Regeneration. International Journal of Molecular Sciences, 2017, 18, 2236.	1.8	43
57	Effect of morphology on the electric conductivity of binary polymer blends filled with carbon black. Journal of Applied Polymer Science, 2007, 106, 2008-2017.	1.3	42
58	Flame Retardancy and Mechanism of Bismaleimide Resins Based on a Unique Inorganicâ€“Organic Hybridized Intumescent Flame Retardant. Industrial & Engineering Chemistry Research, 2013, 52, 15075-15087.	1.8	42
59	Unique surface modified aramid fibers with improved flame retardancy, tensile properties, surface activity and UV-resistance through in situ formation of hyperbranched polysiloxaneâ€“Ce_{0.8}Ca_{0.2}O_{1.8} hybrids. Journal of Materials Chemistry A, 2015, 3, 12515-12529.	5.2	41
60	The dielectric behavior and origin of high-k composites with very low percolation threshold based on unique multi-branched polyaniline/carbon nanotube hybrids and epoxy resin. Composites Part A: Applied Science and Manufacturing, 2014, 64, 1-10.	3.8	40
61	Synergistically building flame retarding thermosetting composites with high toughness and thermal stability through unique phosphorus and silicone hybridized graphene oxide. Composites Part A: Applied Science and Manufacturing, 2017, 98, 174-183.	3.8	40
62	Development and Mechanism of High-Performance Fully Biobased Shape Memory Benzoxazine Resins with a Green Strategy. ACS Sustainable Chemistry and Engineering, 2020, 8, 18696-18705.	3.2	40
63	Bismaleimide/carbon nanotube hybrids for potential aerospace application: I. Static and dynamic mechanical properties. Polymers for Advanced Technologies, 2007, 18, 835-840.	1.6	39
64	The influence of the short-term ultraviolet radiation on the structure and properties of poly(p-phenylene terephthalaramide) fibers. Applied Surface Science, 2013, 265, 519-526.	3.1	39
65	Dielectric properties and mechanism of composites by superposing expanded graphite/cyanate ester layer with carbon nanotube/cyanate ester layer. Composites Science and Technology, 2014, 91, 8-15.	3.8	39
66	Building a poly(epoxy propylimidazolium ionic liquid)/graphene hybrid through Ï€_{cation}â€“Ï€ interaction for fabricating high-k polymer composites with low dielectric loss and percolation threshold. Journal of Materials Chemistry C, 2016, 4, 3175-3184.	2.7	39
67	Greatly improving energy storage density and reducing dielectric loss of carbon nanotube/cyanate ester composites through building a unique tri-layered structure with mica paper. Journal of Materials Chemistry A, 2017, 5, 21909-21918.	5.2	39
68	New glass fiber/bismaleimide composites with significantly improved flame retardancy, higher mechanical strength and lower dielectric loss. Composites Part B: Engineering, 2015, 71, 96-102.	5.9	38
69	High-k 3D-barium titanate foam/phenolphthalein poly(ether sulfone)/cyanate ester composites with frequency-stable dielectric properties and extremely low dielectric loss under reduced concentration of ceramics. Applied Surface Science, 2018, 427, 1046-1054.	3.1	38
70	Biobased bismaleimide resins with high renewable carbon content, heat resistance and flame retardancy via a multi-functional phosphate from clove oil. Materials Chemistry Frontiers, 2019, 3, 78-85.	3.2	38
71	Gamma Ray-Induced Polymerization and Cross-Linking for Optimization of PPy/PVP Hydrogel as Biomaterial. Polymers, 2020, 12, 111.	2.0	38
72	The effect of morphology on the optical properties of transparent epoxy/montmorillonite composites. Polymer International, 2004, 53, 85-91.	1.6	37

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73	Chestnut Honey Impregnated Carboxymethyl Cellulose Hydrogel for Diabetic Ulcer Healing. Polymers, 2017, 9, 248.	2.0	37
74	Properties and origins of highâ€performance poly(phenylene oxide)/cyanate ester resins for highâ€frequency copperâ€clad laminates. Journal of Applied Polymer Science, 2011, 121, 1675-1684.	1.3	36
75	Green flame retarding bismaleimide resin with simultaneously good processing characteristics, high toughness and outstanding thermal stability based on a multi-functional organic boron compound. Polymer Degradation and Stability, 2015, 118, 33-44.	2.7	36
76	Preparation of high performance bio-based benzoxazine resin through a green solvent-free strategy for shape memory application. Polymer, 2020, 202, 122673.	1.8	36
77	Percolative polymer composites for dielectric capacitors: a brief history, materials, and multilayer interface design. Journal of Materials Chemistry A, 2020, 8, 18515-18537.	5.2	35
78	Improving dispersion of multiwalled carbon nanotubes in polyamide 6 composites through aminoâ€functionalization. Journal of Applied Polymer Science, 2007, 106, 2898-2906.	1.3	34
79	Preparation of hydrogel by radiation for the healing of diabetic ulcer. Radiation Physics and Chemistry, 2014, 94, 176-180.	1.4	34
80	Simultaneously achieving superior foldability, mechanical strength and toughness for transparent healable polysiloxane films through building hierarchical crosslinked networks and dual dynamic bonds. Journal of Materials Chemistry A, 2018, 6, 23425-23434.	5.2	34
81	Liquid crystalline epoxy resin modified cyanate ester for high performance electronic packaging. Journal of Polymer Research, 2011, 18, 1441-1450.	1.2	33
82	Synthesis of TiO2 pillared montmorillonite with ordered interlayer mesoporous structure and high photocatalytic activity by an intra-gallery templating method. Materials Research Bulletin, 2013, 48, 3948-3954.	2.7	33
83	High-k Materials with Low Dielectric Loss Based on Two Superposed Gradient Carbon Nanotube/Cyanate Ester Composites. Journal of Physical Chemistry C, 2013, 117, 15487-15495.	1.5	33
84	A facile and green preparation of poly(glycidyl methacrylate) coated aramide fibers. Journal of Materials Chemistry, 2012, 22, 8960.	6.7	32
85	Facile Preparation and Origin of High-k Carbon Nanotube/Poly(Ether Imide)/Bismaleimide Composites through Controlling the Location and Distribution of Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 24091-24101.	1.5	32
86	Unique UV-resistant and surface active aramid fibers with simultaneously enhanced mechanical and thermal properties by chemically coating Ce0.8Ca0.2O1.8 having low photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 11286.	5.2	32
87	Unique liquid multi-maleimide terminated branched polysiloxane and its flame retarding bismaleimide resin with outstanding thermal and mechanical properties. Polymer Degradation and Stability, 2015, 121, 30-41.	2.7	32
88	Development and mechanism of ultralow dielectric loss and toughened bismaleimide resins with high heat and moisture resistance based on unique amino-functionalized metal-organic frameworks. Composites Part B: Engineering, 2018, 132, 28-34.	5.9	32
89	Preparation and properties of hollow silica tubes/cyanate ester hybrids for high-frequency copper-clad laminates. Journal of Materials Science, 2011, 46, 1571-1580.	1.7	31
90	Fabrication and origin of new flame retarding bismaleimide resin system with low dielectric constant and loss based on microencapsulated hexaphenoxycyclotriphosphazene in low phosphorus content. Polymer Degradation and Stability, 2015, 121, 157-170.	2.7	31

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91	Preparation and mechanism of shape memory bismaleimide resins with high transition temperature, high toughness and good processability. Journal of Materials Science, 2018, 53, 10798-10811.	1.7	31
92	High Performance Miscible Polyetherimide/Bismaleimide Resins with Simultaneously Improved Integrated Properties Based on a Novel Hyperbranched Polysiloxane Having a High Degree of Branching. Industrial & Engineering Chemistry Research, 2013, 52, 5054-5065.	1.8	30
93	Achieving ultrahigh glass transition temperature, halogen-free and phosphorus-free intrinsic flame retardancy for bismaleimide resin through building network with diallyloxydiphenyldisulfide. Polymer, 2020, 203, 122769.	1.8	30
94	Novel high performance RTM bismaleimide resin with low cure temperature for advanced composites. Polymers for Advanced Technologies, 2005, 16, 563-566.	1.6	29
95	The thermal and dielectric properties of high performance cyanate ester resins/microcapsules composites. Polymer Degradation and Stability, 2011, 96, 84-90.	2.7	29
96	Tough epoxy/cyanate ester resins with improved thermal stability, lower dielectric constant and loss based on unique hyperbranched polysiloxane liquid crystalline. Polymers for Advanced Technologies, 2015, 26, 1608-1618.	1.6	29
97	Polyaniline coated carbon nanotube/graphene â€œsandwichâ€•hybrid and its high-k epoxy composites with low dielectric loss and percolation threshold. Applied Surface Science, 2015, 359, 754-765.	3.1	29
98	Boost up dielectric constant and push down dielectric loss of carbon nanotube/cyanate ester composites via gradient and layered structure design. Journal of Materials Chemistry A, 2015, 3, 23162-23169.	5.2	29
99	Optimizing Ply Pattern and Composition of Layered Composites based on Cyanate Ester, Carbon Nanotube, and Boron Nitride: Toward Ultralow Dielectric Loss and High Energy Storage. Journal of Physical Chemistry C, 2018, 122, 5238-5247.	1.5	29
100	Heat-resistant and robust biobased benzoxazine resins developed with a green synthesis strategy. Polymer Chemistry, 2021, 12, 432-438.	1.9	29
101	Novel modification of cyanate ester by epoxidized polysiloxane. Journal of Applied Polymer Science, 2007, 105, 2020-2026.	1.3	28
102	High performance hybrids based on a novel incompletely condensed polyhedral oligomeric silsesquioxane and bismaleimide resin with improved thermal and dielectric properties. Journal of Materials Science, 2012, 47, 2548-2558.	1.7	28
103	Dispersing carbon nanotubes in the unfavorable phase of an immiscible reverse-phase blend with Haake instrument to fabricate high- k nanocomposites with extremely low dielectric loss and percolation threshold. Chemical Engineering Journal, 2016, 285, 650-659.	6.6	27
104	The Effect of Thickness of Resorbable Bacterial Cellulose Membrane on Guided Bone Regeneration. Materials, 2017, 10, 320.	1.3	27
105	Developing thermally resistant polydopamine@nano turbostratic BN@CeO2 double core-shell ultraviolet absorber with low light-catalysis activity and its grafted high performance aramid fibers. Applied Surface Science, 2018, 452, 389-399.	3.1	27
106	Novel hyperbranched polyphenylsilsesquioxaneâ€•modified cyanate ester resins with improved toughness and stiffness. Polymer International, 2011, 60, 1277-1286.	1.6	26
107	Synthesis and characterization of novel epoxy resins-filled microcapsules with organic/inorganic hybrid shell for the self-healing of high performance resins. Polymers for Advanced Technologies, 2016, 27, 1544-1556.	1.6	26
108	CaCu3Ti4O12 electrospun fibre: A new form of CaCu3Ti4O12 and its dielectric property. Journal of Alloys and Compounds, 2013, 549, 11-17.	2.8	24

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109	Fabrication and origin of flame retarding glass fiber/bismaleimide resin composites with high thermal stability, good mechanical properties, and a low dielectric constant and loss for high frequency copper clad laminates. RSC Advances, 2016, 6, 19638-19646.	1.7	24
110	Preparation and origin of thermally resistant biobased epoxy resin with low internal stress and good UV resistance based on SiO2 hybridized cellulose for light emitting diode encapsulation. Applied Surface Science, 2018, 447, 315-324.	3.1	24
111	Surface-modifiers of clay on mechanical properties of rigid polyurethane foams/organoclay nanocomposites. Journal of Applied Polymer Science, 2007, 105, 2988-2995.	1.3	23
112	Preparation and properties of transparent zinc oxide/silicone nanocomposites for the packaging of highâ€power lightâ€emitting diodes. Journal of Applied Polymer Science, 2011, 121, 2018-2028.	1.3	23
113	Curing behavior and dielectric properties of hyperbranched poly(phenylene oxide)/cyanate ester resins. Journal of Applied Polymer Science, 2011, 121, 2113-2122.	1.3	23
114	High performance cyanate ester resins/reactive porous polymeric microsphere systems with low-temperature processability. Composites Science and Technology, 2013, 85, 148-155.	3.8	23
115	High thermal conductivity and flame-retardant phosphorus-free bismaleimide resin composites based on 3D porous boron nitride framework. Journal of Materials Science, 2019, 54, 7651-7664.	1.7	23
116	Interface and its effect on the interlaminate shear strength of novel glass fiber/hyperbranched polysiloxane modified maleimide-triazine resin composites. Applied Surface Science, 2011, 258, 572-579.	3.1	22
117	Carboxylâ€terminated butadieneâ€“acrylonitrile rubber modified cyanate ester resin. Journal of Applied Polymer Science, 2007, 106, 3098-3104.	1.3	21
118	Preparation and properties of novel resins based on cyanate ester and hyperbranched polysiloxane. Journal of Polymer Research, 2011, 18, 139-149.	1.2	21
119	Dielectric properties and their dependence of polyetherimide/bismaleimide blends for high performance copper clad laminates. Journal of Polymer Research, 2011, 18, 1459-1467.	1.2	21
120	Preparation and properties of cyanate ester/polyorganosiloxane blends with lower dielectric loss and improved toughness. Polymers for Advanced Technologies, 2011, 22, 262-269.	1.6	21
121	Low-cost and facile fabrication of titanium dioxide coated oxidized titanium dibrideâ€“epoxy resin composites with high dielectric constant and extremely low dielectric loss. RSC Advances, 2013, 3, 7071.	1.7	21
122	Novel tough and thermally stable cyanate ester resins with high flame retardancy, low dielectric loss and constant based on a phenolphthalein type polyarylether sulfone. RSC Advances, 2015, 5, 58989-59002.	1.7	21
123	Unique pure barium titanate foams with three-dimensional interconnecting pore channels and their high-k cyanate ester resin composites at very low barium titanate loading. Journal of Materials Chemistry C, 2016, 4, 10654-10663.	2.7	21
124	Fabrication of In Situ Nanofiber-Reinforced Molecular Composites by Nonequilibrium Self-Assembly. ACS Applied Materials & Interfaces, 2018, 10, 39293-39306.	4.0	21
125	Synthesis and characterization of zinc chloride containing poly(acrylic acid) hydrogel by gamma irradiation. Radiation Physics and Chemistry, 2013, 88, 60-64.	1.4	20
126	The origin of the curing behavior, mechanical and thermal properties of surface functionalized attapulgite/bismaleimide/diallylbisphenol composites. Applied Surface Science, 2014, 288, 435-443.	3.1	20

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127	Promotion of human mesenchymal stem cell differentiation on bioresorbable polycaprolactone/biphasic calcium phosphate composite scaffolds for bone tissue engineering. Biotechnology and Bioprocess Engineering, 2014, 19, 341-349.	1.4	20
128	A strategy and mechanism of fabricating flame retarding glass fiber fabric reinforced vinyl ester composites with simultaneously improved thermal stability, impact and interlaminar shear strengths. Polymer Degradation and Stability, 2016, 125, 49-58.	2.7	20
129	Self-constructed nanodomain structure in thermosetting blend based on the dynamic reactions of cyanate ester and epoxy resins and its related property. Composites Part B: Engineering, 2019, 177, 107438.	5.9	20
130	Toughening Bismaleimide Resins by N-Allyl Aromatic Amine. Polymer Journal, 1997, 29, 553-556.	1.3	19
131	A facile method to prepare zirconia electrospun fibers with different morphologies and their novel composites based on cyanate ester resin. RSC Advances, 2012, 2, 1364-1372.	1.7	19
132	Synthesis of epoxyâ€functionalized hyperbranched poly(phenylene oxide) and its modification of cyanate ester resin. Journal of Applied Polymer Science, 2012, 123, 2351-2359.	1.3	19
133	A Novel Hyperbranched Polysiloxane Containing Epoxy and Phosphaphenanthrene Groups and its Multi-Functional Modification of Cyanate Ester Resin. Soft Materials, 2013, 11, 346-352.	0.8	19
134	Poly(phenylene oxide) modified cyanate resin for selfâ€healing. Polymers for Advanced Technologies, 2014, 25, 752-759.	1.6	19
135	The interaction between unique hyperbranched polyaniline and carbon nanotubes, and its influence on the dielectric behavior of hyperbranched polyaniline/carbon nanotube/epoxy resin composites. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	19
136	Low-Cost Preparation of High-k Expanded Graphite/Carbon Nanotube/Cyanate Ester Composites with Low Dielectric Loss and Low Percolation Threshold. Industrial & Engineering Chemistry Research, 2014, 53, 2661-2672.	1.8	19
137	Improving thermal stability and mechanical performance of polypropylene/polyurethane blend prepared by radiation-based techniques. European Polymer Journal, 2017, 94, 366-375.	2.6	19
138	Preparation and Mechanism of High Energy Density Cyanate Ester Composites with Ultralow Loss Tangent and Higher Permittivity through Building a Multilayered Structure with Conductive, Dielectric, and Insulating Layers. Journal of Physical Chemistry C, 2019, 123, 13482-13490.	1.5	19
139	Preparation of high thermal conductive aluminum nitride/cyanate ester nanocomposite using a new macromolecular coupling agent. Polymers for Advanced Technologies, 2012, 23, 1503-1510.	1.6	18
140	Preparation of End-Capped Hyperbranched Polyaniline@Carbon Nanotube Hybrids for High-k Composites with Extremely Low Percolation Threshold and Dielectric Loss. Industrial & Engineering Chemistry Research, 2014, 53, 4726-4731.	1.8	18
141	Mechanism of greatly increasing dielectric constant at lower percolation thresholds for epoxy resin composites through building three-dimensional framework from polyvinylidene fluoride and carbon nanotubes. Composites Part B: Engineering, 2019, 171, 146-153.	5.9	18
142	Study on the structure and properties of cyanate ester/bentonite nanocomposites. Journal of Applied Polymer Science, 2005, 96, 632-637.	1.3	17
143	Effect of multi-walled carbon nanotubes dispersity on the light transmittancy of multi-walled carbon nanotubes/epoxy composites. Polymer Engineering and Science, 2006, 46, 635-642.	1.5	17
144	Curing kinetics and mechanism of novel high performance hyperbranched polysiloxane/bismaleimide/cyanate ester resins for resin transfer molding. Journal of Applied Polymer Science, 2011, 122, 304-312.	1.3	17

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145	Preparation and properties of hollow silica tubes/bismaleimide/diallylbisphenol A composites with improved toughness, dielectric properties, and flame retardancy. Polymers for Advanced Technologies, 2012, 23, 326-335.	1.6	17
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147	Synthesis of mesoporous iron-incorporated silica-pillared clay and catalytic performance for phenol hydroxylation. Applied Surface Science, 2013, 285, 721-726.	3.1	17
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