Chaobin He

List of Publications by Year
in descending order

342 papers	17,196 citations	10979 71 h-index	24961 109 g-index
356 all docs	356 docs citations	356 times ranked	18231 citing authors

#	Article	IF	Citations
1	Epoxy Nanocomposites with Highly Exfoliated Clay:â€‰ Mechanical Properties and Fracture Mechanisms. Macromolecules, 2005, 38, 788-800.	2.2	511
2	Polyethylenimine-Grafted Multiwalled Carbon Nanotubes for Secure Noncovalent Immobilization and Efficient Delivery of DNA. Angewandte Chemie - International Edition, 2005, 44, 4782-4785.	7.2	346
3	Polyimide/POSS nanocomposites: interfacial interaction, thermal properties and mechanical properties. Polymer, 2003, 44, 4491-4499.	1.8	337
4	Graphene-Wrapped Polyaniline Hollow Spheres As Novel Hybrid Electrode Materials for Supercapacitor Applications. ACS Applied Materials & Interfaces, 2013, 5, 3382-3391.	4.0	310
5	Lignin-Derived Fused Electrospun Carbon Fibrous Mats as High Performance Anode Materials for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 12275-12282.	4.0	282
6	PEI-g-chitosan, a Novel Gene Delivery System with Transfection Efficiency Comparable to Polyethylenimine in Vitro and after Liver Administration in Vivo. Bioconjugate Chemistry, 2006, 17, 152-158.	1.8	256
7	Some recent developments of polyhedral oligomeric silsesquioxane (POSS)-based polymeric materials. Journal of Materials Chemistry, 2011, 21, 2775-2782.	6.7	237
8	Recent advances in stereocomplexation of enantiomeric PLA-based copolymers and applications. Progress in Polymer Science, 2016, 62, 22-72.	11.8	228
9	Recent advances in the development of biodegradable PHB-based toughening materials: Approaches, advantages and applications. Materials Science and Engineering C, 2018, 92, 1092-1116.	3.8	211
10	Preparation, morphology and thermal/mechanical properties of epoxy/nanoclay composite. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1890-1896.	3.8	204
11	Lignin-derived interconnected hierarchical porous carbon monolith with large areal/volumetric capacitances for supercapacitor. Carbon, 2016, 100, 151-157.	5.4	201
12	Recent Progress in Using Stereocomplexation for Enhancement of Thermal and Mechanical Property of Polylactide. ACS Sustainable Chemistry and Engineering, 2016, 4, 5370-5391.	3.2	195
13	Thermal degradation behavior of polyamide 6/clay nanocomposites. Polymer Degradation and Stability, 2003, 81, 47-56.	2.7	190
14	Characterization of permeability and sorption in Matrimid/C60 mixed matrix membranes. Journal of Membrane Science, 2003, 211, 91-99.	4.1	185
15	Morphology, thermal and mechanical behavior of polyamide 6/layered-silicate nanocomposites. Composites Science and Technology, 2003, 63, 331-337.	3.8	177
16	Synthesis and Stereocomplex Crystallization of Poly(lactide)â€“Graphene Oxide Nanocomposites. ACS Macro Letters, 2012, 1, 709-713.	2.3	170
17	Morphology and fracture behavior of intercalated epoxy/clay nanocomposites. Journal of Applied Polymer Science, 2004, 94, 1236-1244.	1.3	162
18	Nitrogen-doped graphene hollow nanospheres as novel electrode materials for supercapacitor applications. Journal of Power Sources, 2013, 243, 973-981.	4.0	157

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19	Toward Negative Poisson Ratio Polymers through Molecular Design. Macromolecules, 1998, 31, 3145-3147.	2.2	156
20	Blue Photoluminescence from Hyperbranched Poly(amino ester)s. Macromolecules, 2005, 38, 9906-9909.	2.2	155
21	Covalent bonded polymerâ€“graphene nanocomposites. Journal of Polymer Science Part A, 2010, 48, 4262-4267.	2.5	149
22	The effect of salt and pH on the phase-transition behaviors of temperature-sensitive copolymers based on N-isopropylacrylamide. Biomaterials, 2004, 25, 5659-5666.	5.7	148
23	Synthesis of PtRu Nanoparticles from the Hydrosilylation Reaction and Application as Catalyst for Direct Methanol Fuel Cell. Journal of Physical Chemistry B, 2005, 109, 16644-16649.	1.2	146
24	Biodegradable and renewable poly(lactide)â€“lignin composites: synthesis, interface and toughening mechanism. Journal of Materials Chemistry A, 2015, 3, 3699-3709.	5.2	144
25	Polyhedral oligomeric silsesquioxanes (POSSs): an important building block for organic optoelectronic materials. Journal of Materials Chemistry C, 2017, 5, 5283-5298.	2.7	138
26	Fully biodegradable Poly(lactic acid)/Starch blends: A review of toughening strategies. International Journal of Biological Macromolecules, 2018, 109, 99-113.	3.6	138
27	Preparation of Highly Exfoliated Epoxy/Clay Nanocomposites by â€œSlurry Compoundingâ€•â€‰ Process and Mechanisms. Langmuir, 2005, 21, 3613-3618.	1.6	134
28	Trimeric supramolecular liquid crystals induced by halogen bonds. Journal of Materials Chemistry, 2006, 16, 3540.	6.7	130
29	Highly Biodegradable and Tough Polylactic Acidâ€“Cellulose Nanocrystal Composite. ACS Sustainable Chemistry and Engineering, 2017, 5, 3929-3937.	3.2	126
30	Superhydrophobic fluorinated POSSâ€“PVDF-HFP nanocomposite coating on glass by electrospinning. Journal of Materials Chemistry, 2012, 22, 18479.	6.7	122
31	Electrical conductivity of polyanilineâ€“dodecylbenzene sulphonic acid complex: thermal degradation and its mechanism. Synthetic Metals, 2002, 128, 167-178.	2.1	118
32	Cholesteryl-grafted functional amphiphilic poly(N-isopropylacrylamide-co-N-hydroxylmethylacrylamide): synthesis, temperature-sensitivity, self-assembly and encapsulation of a hydrophobic agent. Biomaterials, 2004, 25, 2619-2628.	5.7	118
33	Morphology, thermal and mechanical properties of nylon 12/organoclay nanocomposites prepared by melt compounding. Polymer International, 2005, 54, 456-464.	1.6	115
34	Conversion of biomass lignin to high-value polyurethane: A review. Journal of Bioresources and Bioproducts, 2020, 5, 163-179.	11.8	115
35	Biodegradable â€œCoreâ€“Shellâ€•Rubber Nanoparticles and Their Toughening of Poly(lactides). Macromolecules, 2013, 46, 9625-9633.	2.2	113
36	High Modulus, Strength, and Toughness Polyurethane Elastomer Based on Unmodified Lignin. ACS Sustainable Chemistry and Engineering, 2017, 5, 7942-7949.	3.2	108

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37	Synthesis, morphology, and properties of hydroxyl terminatedâ€POSS/polyimide lowâ€k nanocomposite films. Journal of Polymer Science Part A, 2008, 46, 5887-5896.	2.5	104
38	Poly(ester urethane)s Consisting of Poly[(R)-3-hydroxybutyrate] and Poly(ethylene glycol) as Candidate Biomaterials:Â Characterization and Mechanical Property Study. Biomacromolecules, 2005, 6, 2740-2747.	2.6	102
39	3D-Printed Anti-Fouling Cellulose Mesh for Highly Efficient Oil/Water Separation Applications. ACS Applied Materials & Interfaces, 2019, 11, 13787-13795.	4.0	102
40	Effects of Chemistries of Trifunctional Amines on Mechanisms of Michael Addition Polymerizations with Diacrylates. Macromolecules, 2004, 37, 6763-6770.	2.2	100
41	Star-shaped POSS-polycaprolactone polyurethanes and their shape memory performance. Journal of Materials Chemistry, 2011, 21, 4827.	6.7	98
42	High conductive and mechanical robust carbon nanotubes/waterborne polyurethane composite films for efficient electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2019, 121, 411-417.	3.8	98
43	Highly Sensitive and Fast Response Colorimetric Humidity Sensors Based on Graphene Oxides Film. ACS Applied Materials & Interfaces, 2015, 7, 19882-19886.	4.0	96
44	Facile Layer-by-Layer Self-Assembly toward Enantiomeric Poly(lactide) Stereocomplex Coated Magnetite Nanocarrier for Highly Tunable Drug Deliveries. ACS Applied Materials & Interfaces, 2016, 8, 1842-1853.	4.0	94
45	Simultaneous enhancement of electrical conductivity and seebeck coefficient in organic thermoelectric SWNT/PEDOT:PSS nanocomposites. Carbon, 2019, 149, 25-32.	5.4	94
46	Polyhedral Oligomeric Silsesquioxanes (POSS)-Based Hybrid Soft Gels: Molecular Design, Material Advantages, and Emerging Applications. , 2020, 2, 296-316.		92
47	Preparation and thermomechanical properties of epoxy resins modified by octafunctional cubic silsesquioxane epoxides. Journal of Polymer Science Part A, 2004, 42, 3490-3503.	2.5	91
48	Synthesis, Electronic, and Emission Spectroscopy, and Electrochromic Characterization of Azuleneâ^'Fluorene Conjugated Oligomers and Polymers. Macromolecules, 2009, 42, 5534-5544.	2.2	91
49	Thermomechanical properties of polyimide-epoxy nanocomposites from cubic silsesquioxane epoxides. Journal of Materials Chemistry, 2004, 14, 2858.	6.7	90
50	Organicâ€“inorganic nanocomposites from cubic silsesquioxane epoxides: direct characterization of interphase, and thermomechanical properties. Polymer, 2005, 46, 7018-7027.	1.8	90
51	Nanocomposites for bone tissue regeneration. Nanomedicine, 2013, 8, 639-653.	1.7	90
52	Synthesis and Self-Assembly of Difunctional Halogen-Bonding Molecules:Â A New Family of Supramolecular Liquid-Crystalline Polymers. Macromolecules, 2005, 38, 3554-3557.	2.2	87
53	Highly Efficient Blue-Light-Emitting Glass-Forming Molecules Based on Tetraarylmethane/Silane and Fluorene:â€‰ Synthesis and Thermal, Optical, and Electrochemical Properties. Chemistry of Materials, 2005, 17, 434-441.	3.2	87
54	Rheological and mechanical properties of epoxy/clay nanocomposites with enhanced tensile and fracture toughnesses. Polymer, 2015, 58, 43-52.	1.8	87

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55	Micelle Formation and Gelation of (PEGâ^'P(MA-POSS)) Amphiphilic Block Copolymers via Associative Hydrophobic Effects. Langmuir, 2010, 26, 11763-11773.	1.6	86
56	Toward molecular auxetics: Main chain liquid crystalline polymers consisting of laterally attached para-quaterphenyls. Physica Status Solidi (B): Basic Research, 2005, 242, 576-584.	0.7	85
57	Efficient gene delivery with paclitaxel-loaded DNA-hybrid polyplexes based on cationic polyhedral oligomeric silsesquioxanes. Journal of Materials Chemistry, 2010, 20, 10634.	6.7	85
58	Thermal degradation of electrical conductivity of polyacrylic acid doped polyaniline: effect of molecular weight of the dopants. Synthetic Metals, 2003, 138, 429-440.	2.1	84
59	Highly Efficient Luminescent Organic Clusters with Quantum Dot-Like Properties. Journal of the American Chemical Society, 2004, 126, 7792-7793.	6.6	84
60	Morphology, tensile and fracture characteristics of epoxy-alumina nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 5670-5676.	2.6	84
61	Biodegradable silica rubber core-shell nanoparticles and their stereocomplex for efficient PLA toughening. Composites Science and Technology, 2018, 159, 11-17.	3.8	83
62	Improving the fracture toughness of epoxy with nanosilica-rubber core-shell nanoparticles. Composites Science and Technology, 2016, 125, 132-140.	3.8	82
63	Interfacial control and carrier tuning of carbon nanotube/polyaniline composites for high thermoelectric performance. Carbon, 2018, 136, 292-298.	5.4	82
64	Hyperbranched Poly(amino ester)s with Different Terminal Amine Groups for DNA Delivery. Biomacromolecules, 2006, 7, 1879-1883.	2.6	81
65	Nanoindentation and Morphological Studies of Epoxy Nanocomposites. Macromolecular Materials and Engineering, 2006, 291, 1358-1366.	1.7	81
66	Preparation and mechanical properties of exfoliated CoAl layered double hydroxide (LDH)/polyamide 6 nanocomposites by in situ polymerization. Composites Science and Technology, 2009, 69, 991-996.	3.8	78
67	Tailoring Micelle Formation and Gelation in (PEGâ^'P(MA-POSS)) Amphiphilic Hybrid Block Copolymers. Macromolecules, 2011, 44, 622-631.	2.2	78
68	Hyperbranched Blue-Light-Emitting Alternating Copolymers of Tetrabromoarylmethane/Silane and 9,9-Dihexylfluorene-2,7-diboronic Acid. Macromolecules, 2004, 37, 5965-5970.	2.2	75
69	Lightweight flexible carbon nanotube/polyaniline films with outstanding EMI shielding properties. Journal of Materials Chemistry C, 2017, 5, 8694-8698.	2.7	75
70	A DFT Study of the Amination of Fullerenes and Carbon Nanotubes:Â Reactivity and Curvature. Journal of Physical Chemistry B, 2005, 109, 13755-13760.	1.2	74
71	Self-Assembly of Brush-Like Poly[poly(ethylene glycol) methyl ether methacrylate] Synthesized via Aqueous Atom Transfer Radical Polymerization. Langmuir, 2008, 24, 13279-13286.	1.6	74
72	Morphology and thermal degradation behavior of highly exfoliated CoAl-layered double hydroxide/polycaprolactone nanocomposites prepared by simple solution intercalation. Thermochimica Acta, 2010, 502, 1-7.	1.2	74

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73	Dynamic and Static Light Scattering Studies on Self-Aggregation Behavior of Biodegradable Amphiphilic Poly(ethylene oxide)â^Poly[(R)-3-hydroxybutyrate]â^'Poly(ethylene oxide) Triblock Copolymers in Aqueous Solution. Journal of Physical Chemistry B, 2006, 110, 5920-5926.	1.2	73
74	Three-Dimensional Structure of CeO₂ Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 3544-3551.	1.5	73
75	A processing-induced clay dispersion and its effect on the structure and properties of polyamide 6. Polymer International, 2004, 53, 392-399.	1.6	72
76	Effective moduli of nanoparticle reinforced composites considering interphase effect by extended double-inclusion model â€“ Theory and explicit expressions. International Journal of Engineering Science, 2013, 73, 33-55.	2.7	72
77	Porous polyaniline/carbon nanotube composite electrode for supercapacitors with outstanding rate capability and cyclic stability. Composites Part B: Engineering, 2019, 165, 671-678.	5.9	72
78	Triple-shape properties of star-shaped POSS-polycaprolactone polyurethane networks. Soft Matter, 2012, 8, 965-972.	1.2	71
79	2A2+ BBâ€˜Bâ€˜Ââ€˜ Approach to Hyperbranched Poly(amino ester)s. Macromolecules, 2005, 38, 5519-5525.	2.2	70
80	Microdeformation and Fracture Mechanisms in Polyamide-6/Organoclay Nanocomposites. Macromolecules, 2008, 41, 193-202.	2.2	70
81	Î² phase PVDF-hfp induced by mesoporous SiO₂ nanorods: synthesis and formation mechanism. Journal of Materials Chemistry C, 2015, 3, 3708-3713.	2.7	70
82	Hierarchical porous carbon monolith derived from lignin for high areal capacitance supercapacitors. Microporous and Mesoporous Materials, 2020, 297, 109960.	2.2	69
83	Biodegradable PHB-Rubber Copolymer Toughened PLA Green Composites with Ultrahigh Extensibility. ACS Sustainable Chemistry and Engineering, 2018, 6, 15517-15527.	3.2	68
84	Crystallization and melting behavior of polyester/clay nanocomposites. Polymer International, 2004, 53, 1282-1289.	1.6	66
85	Morphology, thermal, and rheological behavior of nylon 11/multiâ€walled carbon nanotube nanocomposites prepared by melt compounding. Polymer Engineering and Science, 2009, 49, 1063-1068.	1.5	66
86	Synthesis of Poly(glycidyl methacrylate)â€blockâ€Poly(pentafluorostyrene) by RAFT: Precursor to Novel Amphiphilic Poly(glyceryl methacrylate)â€blockâ€Poly(pentafluorostyrene). Macromolecular Rapid Communications, 2008, 29, 1902-1907.	2.0	65
87	Novel poly(amino ester)s obtained from Michael addition polymerizations of trifunctional amine monomers with diacrylates: safe and efficient DNA carriersElectronic supplementary information (ESI) available: synthesis procedure, NMR spectra, and experimental protocols. See http://www.rsc.org/suppdata/cc/b3/b309487a/. Chemical Communications, 2003, , 2630.	2.2	63
88	Applications of environmental scanning electron microscopy to colloidal aggregation and film formation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 174, 37-53.	2.3	61
89	Electrically Conductive Epoxy/Clay/Vapor Grown Carbon Fiber Hybrids. Macromolecules, 2006, 39, 908-911.	2.2	61
90	Azulene-containing organic chromophores with tunable near-IR absorption in the range of 0.6 to 1.7 Î¼m. Journal of Materials Chemistry, 2012, 22, 10448.	6.7	61

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91	Bend, Twist, and Turn: First Bendable and Malleable Toughened PLA Green Composites. Advanced Functional Materials, 2020, 30, 2001565.	7.8	61
92	Synthesis and Self-Assembly of Brush-Type Poly[poly(ethylene glycol)methyl ether methacrylate]-block-poly(pentafluorostyrene) Amphiphilic Diblock Copolymers in Aqueous Solution. Langmuir, 2010, 26, 2361-2368.	1.6	60
93	Design of polyhedral oligomeric silsesquioxane (POSS) based thermo-responsive amphiphilic hybrid copolymers for thermally denatured protein protection applications. Polymer Chemistry, 2014, 5, 6740-6753.	1.9	60
94	Evaluation of Hyperbranched Poly(amino ester)s of Amine Constitutions Similar to Polyethylenimine for DNA Delivery. Biomacromolecules, 2005, 6, 3166-3173.	2.6	59
95	Simultaneous enhancement of strength and toughness of epoxy using POSS-Rubber coreâ€“shell nanoparticles. Composites Science and Technology, 2015, 118, 63-71.	3.8	59
96	Synthesis, stereocomplex crystallization, morphology and mechanical property of poly(lactide)â€“carbon nanotube nanocomposites. RSC Advances, 2013, 3, 2219.	1.7	58
97	Cubic silsesquioxane?polyimide nanocomposites with improved thermomechanical and dielectric properties. Acta Materialia, 2005, 53, 2395-2404.	3.8	57
98	Coreâˆ'Corona Structure of Cubic Silsesquioxane-Poly(Ethylene Oxide) in Aqueous Solution:Â Fluorescence, Light Scattering, and TEM Studies. Journal of Physical Chemistry B, 2005, 109, 9455-9462.	1.2	57
99	Improving hydrophilicity, mechanical properties and biocompatibility of poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate] through blending with poly[(R)-3-hydroxybutyrate]-alt-poly(ethylene oxide). Acta Biomaterialia, 2009, 5, 2002-2012.	4.1	57
100	Enhanced Ordering in Gold Nanoparticles Self-Assembly through Excess Free Ligands. Langmuir, 2011, 27, 3355-3360.	1.6	57
101	Effects of clay on polymorphism of polypropylene in polypropylene/clay nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1810-1816.	2.4	56
102	Polyhedral oligomeric silsesquioxanes tethered with perfluoroalkylthioether corner groups: Facile synthesis and enhancement of hydrophobicity of their polymer blends. Journal of Materials Chemistry, 2009, 19, 4740.	6.7	56
103	Poly(ethylene glycol) Conjugated Poly(lactide)-Based Polyelectrolytes: Synthesis and Formation of Stable Self-Assemblies Induced by Stereocomplexation. Langmuir, 2015, 31, 2321-2333.	1.6	56
104	High-performance thermoelectric materials based on ternary TiO2/CNT/PANI composites. Physical Chemistry Chemical Physics, 2018, 20, 9411-9418.	1.3	55
105	Synthesis and Self-Assembly of Donorâˆ'Spacerâˆ'Acceptor Molecules. Liquid Crystals Formed by Single-Component â€œComplexesâ€• via Intermolecular Hydrogen-Bonding Interaction. Macromolecules, 2005, 38, 1684-1690.	2.2	54
106	A DFT study on poly(lactic acid) polymorphs. Polymer, 2010, 51, 2779-2785.	1.8	54
107	Tailoring the surface chemistry and morphology of glass fiber membranes for robust oil/water separation using poly(dimethylsiloxanes) as hydrophobic molecular binders. Journal of Materials Chemistry A, 2018, 6, 607-615.	5.2	54
108	Synthesis and selfâ€assembly of poly(styrene)â€bâ€poly(Nâ€vinylpyrrolidone) amphiphilic diblock copolymers made via a combined ATRP and MADIX approach. Journal of Polymer Science Part A, 2008, 46, 5604-5615.	2.5	52

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109	Robust, 3D-printed hydratable plastics for effective solar desalination. Nano Energy, 2021, 79, 105436.	8.2	52
110	Novel Glassy Tetra(N-alkyl-3-bromocarbazole-6-yl)silanes as Building Blocks for Efficient and Nonaggregating Blue-Light-Emitting Tetrahedral Materials. Organic Letters, 2005, 7, 2829-2832.	2.4	51
111	Novel linear-dendritic-like amphiphilic copolymers: synthesis and self-assembly characteristics. Polymer Chemistry, 2014, 5, 4069-4075.	1.9	51
112	Robust pure copper framework by extrusion 3D printing for advanced lithium metal anodes. Journal of Materials Chemistry A, 2020, 8, 9058-9067.	5.2	51
113	Permeability of polyimides derived from non-coplanar diamines and 4,4â€²-(hexafluoroisopropylidene)diphthalic anhydride. Polymer, 2003, 44, 4715-4721.	1.8	50
114	Stable Dispersions of Hybrid Nanoparticles Induced by Stereocomplexation between Enantiomeric Poly(lactide) Star Polymers. Langmuir, 2011, 27, 10538-10547.	1.6	50
115	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. Nanoscale, 2015, 7, 9394-9398.	2.8	50
116	Hyperbranched Blue to Red Light-Emitting Polymers with Tetraarylsilyl Cores:Â Synthesis, Optical and Electroluminescence Properties, and ab Initio Modeling Studies. Macromolecules, 2005, 38, 4157-4168.	2.2	49
117	Superhydrophobic and slippery liquid-infused porous surfaces formed by the self-assembly of a hybrid ABC triblock copolymer and their antifouling performance. Journal of Materials Chemistry B, 2018, 6, 440-448.	2.9	49
118	Recent Advances in Complex Coacervation Design from Macromolecular Assemblies and Emerging Applications. Macromolecular Rapid Communications, 2020, 41, e2000149.	2.0	49
119	A general approach towards carbonization of plastic waste into a well-designed 3D porous carbon framework for super lithium-ion batteries. Chemical Communications, 2020, 56, 9142-9145.	2.2	49
120	Synthesis, micelle formation, and bulk properties of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (glycol)â€bâ€po hybrid copolymers. Journal of Polymer Science Part A, 2010, 48, 152-163.	2.5	48
121	Super Tough and Self-Healable Poly(dimethylsiloxane) Elastomer via Hydrogen Bonding Association and Its Applications as Triboelectric Nanogenerators. ACS Applied Materials & Interfaces, 2020, 12, 31975-31983.	4.0	47
122	Thermal- and pH-Responsive Degradable Polymers. Macromolecules, 2008, 41, 18-20.	2.2	46
123	Effect of Molecular Orientation on Mechanical Property of Single Electrospun Fiber of Poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate]. Journal of Physical Chemistry B, 2009, 113, 13179-13185.	1.2	46
124	Lignin Epoxy Composites: Preparation, Morphology, and Mechanical Properties. Macromolecular Materials and Engineering, 2016, 301, 328-336.	1.7	46
125	Nano-hybrid luminescent dot: synthesis, characterization and optical properties. Journal of Materials Chemistry, 2006, 16, 829-836.	6.7	45
126	Octa(maleimido phenyl) silsesquioxane copolymers. Journal of Polymer Science Part A, 2005, 43, 2483-2494.	2.5	44

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127	Crystallization behavior of star-shaped poly(ethylene oxide) with cubic silsesquioxane (CSSQ) core. Polymer, 2006, 47, 5035-5043.	1.8	44
128	Photopolymer resins for luminescent threeâ€dimensional printing. Journal of Applied Polymer Science, 2017, 134, 44988.	1.3	44
129	Preparation, microstructure and thermal mechanical properties of epoxy/crude clay nanocomposites. Composites Part A: Applied Science and Manufacturing, 2007, 38, 192-197.	3.8	43
130	Synthesis and characterization of organic/inorganic hybrid star polymers of 2,2,3,4,4,4â€hexafluorobutyl methacrylate and octa(aminophenyl)silsesquioxane nanoâ€cage made via atom transfer radical polymerization. Journal of Polymer Science Part A, 2008, 46, 7287-7298.	2.5	43
131	Azulene-based conjugated polymers with tuneable near-IR absorption up to 2.5ÂÎ¼m. Polymer Chemistry, 2014, 5, 2980-2989.	1.9	43
132	In-SituDeformation Studies of Rubber Toughened Poly(methyl methacrylate):Â Influence of Rubber Particle Concentration and Rubber Cross-Linking Density. Macromolecules, 1998, 31, 158-164.	2.2	42
133	Hydrothermal effects on the thermomechanical properties of high performance epoxy/clay nanocomposites. Polymer Engineering and Science, 2006, 46, 215-221.	1.5	42
134	Multi-walled carbon nanotube/polyimide composite film fabricated through electrophoretic deposition. Polymer, 2010, 51, 2155-2160.	1.8	42
135	Tuning self-assembly of hybrid PLA-P(MA-POSS) block copolymers in solution via stereocomplexation. Polymer Chemistry, 2013, 4, 1250-1259.	1.9	42
136	Highly Stable and Rapid Switching Electrochromic Thin Films Based on Metalâ€“Organic Frameworks with Redox-Active Triphenylamine Ligands. ACS Applied Materials & Interfaces, 2020, 12, 7442-7450.	4.0	42
137	Time-Dependent Polymerization Kinetic Study and the Properties of Hybrid Polymers with Functional Silsesquioxanes. Journal of Physical Chemistry B, 2010, 114, 9119-9127.	1.2	41
138	Effect of interphase and strain-rate on the tensile properties of polyamide 6 reinforced with functionalized silica nanoparticles. Composites Science and Technology, 2013, 75, 62-69.	3.8	41
139	Modulating carrier transport for the enhanced thermoelectric performance of carbon nanotubes/polyaniline composites. Organic Electronics, 2019, 69, 62-68.	1.4	41
140	Facile green strategy for improving thermoelectric performance of carbon nanotube/polyaniline composites by ethanol treatment. Composites Science and Technology, 2020, 189, 108023.	3.8	41
141	Thermally Stable Blue-Light-Emitting Hybrid Organicâ"Inorganic Polymers Derived from Cyclotriphosphazene. Macromolecules, 2008, 41, 9624-9636.	2.2	40
142	Designing Poly[(R)-3-hydroxybutyrate]-Based Polyurethane Block Copolymers for Electrospun Nanofiber Scaffolds with Improved Mechanical Properties and Enhanced Mineralization Capability. Journal of Physical Chemistry B, 2010, 114, 7489-7498.	1.2	40
143	Rubber-like shape memory polymeric materials with repeatable thermal-assisted healing function. Smart Materials and Structures, 2012, 21, 115010.	1.8	40
144	Electrically conductive PDMS-grafted CNTs-reinforced silicone elastomer. Composites Science and Technology, 2018, 159, 208-215.	3.8	40

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145	Transmission Electron Microscopy Observations on Lamellar Melting of Cold-Crystallized Isotactic Polystyrene. Macromolecules, 2001, 34, 4305-4307.	2.2	39
146	Starâ€like polyurethane hybrids with functional cubic silsesquioxanes: Preparation, morphology, and thermomechanical properties. Journal of Polymer Science Part A, 2009, 47, 4602-4616.	2.5	39
147	Organicâ€“inorganic hybrid liquid crystals derived from octameric silsesquioxanes. Effect of the peripheral groups in mesogens on the formation of liquid crystals. Journal of Materials Chemistry, 2011, 21, 5248.	6.7	39
148	Fabrication of CFRP from high performance clay/epoxy nanocomposite: Preparation conditions, thermalâ€“mechanical properties and interlaminar fracture characteristics. Composites Part A: Applied Science and Manufacturing, 2011, 42, 881-887.	3.8	39
149	A Comparative Study on Luminescent Copolymers of Fluorene and Carbazole with Conjugated or Î´-Si Interrupted Structures:Â Steric Effects. Macromolecules, 2006, 39, 1397-1402.	2.2	38
150	Octafunctional cubic silsesquioxane (CSSQ)/poly(methyl methacrylate) nanocomposites: Synthesis by atom transfer radical polymerization at mild conditions and the influence of CSSQ on nanocomposites. Journal of Polymer Science Part A, 2008, 46, 766-776.	2.5	38
151	Barnacle repellent nanostructured surfaces formed by the self-assembly of amphiphilic block copolymers. Polymer Chemistry, 2010, 1, 276-279.	1.9	38
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