Ke-Ke Yang

List of Publications by Year
in descending order

96 papers	3,297 citations	136950 32 h-index	168389 53 g-index
96 all docs	96 docs citations	96 times ranked	3084 citing authors

#	Article	IF	Citations
1	Multiscale shape-memory effects in a dynamic polymer network for synchronous changes in color and shape. Applied Materials Today, 2022, 26, 101276.	4.3	8
2	4D Printing of a Fully Biobased Shape Memory Copolyester <i>via</i> a UV-Assisted FDM Strategy. ACS Sustainable Chemistry and Engineering, 2022, 10, 6304-6312.	6.7	14
3	Effect of Self-Nucleation and Stress-Induced Crystallization on the Tunable Two-Way Shape-Memory Effect of a Semicrystalline Network. Macromolecules, 2022, 55, 5104-5114.	4.8	16
4	From a body temperature-triggered reversible shape-memory material to high-sensitive bionic soft actuators. Applied Materials Today, 2020, 18, 100463.	4.3	29
5	Unique two-way free-standing thermo- and photo-responsive shape memory azobenzene-containing polyurethane liquid crystal network. Science China Materials, 2020, 63, 2590-2598.	6.3	20
6	4D printing of shape memory aliphatic copolyester via UV-assisted FDM strategy for medical protective devices. Chemical Engineering Journal, 2020, 396, 125242.	12.7	79
7	Adaptable Strategy to Fabricate Self-Healable and Reprocessable Poly(thiourethane-urethane) Elastomers via Reversible Thiolâ€“Isocyanate Click Chemistry. Macromolecules, 2020, 53, 4284-4293.	4.8	80
8	A high-strength and healable shape memory supramolecular polymer based on pyrene-naphthalene diimide complexes. Polymer, 2020, 190, 122228.	3.8	10
9	Polyurethane networks based on disulfide bonds: from tunable multi-shape memory effects to simultaneous self-healing. Science China Materials, 2019, 62, 437-447.	6.3	60
10	Design of Healable Shape-Memory Materials from Dynamic Interactions. Materials Today: Proceedings, 2019, 16, 1502-1506.	1.8	2
11	Photo-cross-linking of Anthracene as a Versatile Strategy to Design Shape Memory Polymers. Materials Today: Proceedings, 2019, 16, 1524-1530.	1.8	6
12	Poly(ethylene-co-vinyl acetate)/graphene shape-memory actuator with a cyclic thermal/light dual-sensitive capacity. Composites Science and Technology, 2019, 173, 41-46.	7.8	23
13	Fabrication of Shapeâ€Memory Aerogel Based on Chitosan/Poly(ethylene glycol) Diacrylate Semiâ€Interpenetrating Networks via a Facile and Ecoâ€Friendly Strategy. Macromolecular Materials and Engineering, 2019, 304, 1900169.	3.6	6
14	Single-walled carbon nanotubes as adaptable one-dimensional crosslinker to bridge multi-responsive shape memory network via Ï€â€“Ï€ stacking. Composites Communications, 2019, 14, 48-54.	6.3	13
15	Photo-cross-linking: A powerful and versatile strategy to develop shape-memory polymers. Progress in Polymer Science, 2019, 95, 32-64.	24.7	91
16	A robust self-healing polyurethane elastomer: From H-bonds and stacking interactions to well-defined microphase morphology. Science China Materials, 2019, 62, 1188-1198.	6.3	83
17	From shape and color memory PCL network to access high security anti-counterfeit material. Polymer, 2019, 172, 52-57.	3.8	16
18	A Fascinating Metallo-Supramolecular Polymer Network with Thermal/Magnetic/Light-Responsive Shape-Memory Effects Anchored by Fe₃O₄ Nanoparticles. Macromolecules, 2018, 51, 705-715.	4.8	109

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19	Reinforcement of shape-memory poly(ethylene-co-vinyl acetate) by carbon fibre to access robust recovery capability under resistant condition. Composites Science and Technology, 2018, 157, 202-208.	7.8	44
20	Integrating shape-memory technology and photo-imaging on a polymer platform for a high-security information storage medium. Journal of Materials Chemistry C, 2018, 6, 10422-10427.	5.5	24
21	Reconfigurable LC Elastomers: Using a Thermally Programmable Monodomain To Access Two-Way Free-Standing Multiple Shape Memory Polymers. Macromolecules, 2018, 51, 5812-5819.	4.8	92
22	Design of melt-recyclable poly(Îµ-caprolactone)-based supramolecular shape-memory nanocomposites. RSC Advances, 2018, 8, 27119-27130.	3.6	5
23	Strategy for Constructing Shape-Memory Dynamic Networks through Charge-Transfer Interactions. ACS Macro Letters, 2018, 7, 705-710.	4.8	19
24	Creating Poly(tetramethylene oxide) Glycol-Based Networks with Tunable Two-Way Shape Memory Effects via Temperature-Switched Netpoints. Macromolecules, 2017, 50, 5155-5164.	4.8	34
25	New Strategy to Access Dualâ€Stimuliâ€Responsive Tripleâ€Shapeâ€Memory Effect in a Nonâ€overlapping Pattern. Macromolecular Rapid Communications, 2017, 38, 1600664.	3.9	18
26	Fabrication of Liquid Crystalline Polyurethane Networks with a Pendant Azobenzene Group to Access Thermal/Photoresponsive Shape-Memory Effects. ACS Applied Materials & Interfaces, 2017, 9, 24947-24954.	8.0	45
27	Facile fabrication of ternary nanocomposites with selective dispersion of multi-walled carbon nanotubes to access multi-stimuli-responsive shape-memory effects. Materials Chemistry Frontiers, 2017, 1, 343-353.	5.9	21
28	The influence of coexisted monomer on thermal, mechanical, and hydrolytic properties of poly(<i>p</i>â€dioxanone). Journal of Applied Polymer Science, 2016, 133, .	2.6	3
29	Design of Poly(<scp>l</scp>-lactide)â€“Poly(ethylene glycol) Copolymer with Light-Induced Shape-Memory Effect Triggered by Pendant Anthracene Groups. ACS Applied Materials & Interfaces, 2016, 8, 9431-9439.	8.0	109
30	A Facile Strategy To Construct PDLLA-PTMEG Network with Triple-Shape Effect via Photo-Cross-Linking of Anthracene Groups. Macromolecules, 2016, 49, 3845-3855.	4.8	51
31	A facile strategy to fabricate highly-stretchable self-healing poly(vinyl alcohol) hybrid hydrogels based on metalâ€“ligand interactions and hydrogen bonding. Polymer Chemistry, 2016, 7, 7269-7277.	3.9	37
32	Biodegradable polylactide based materials with improved crystallinity, mechanical properties and rheological behaviour by introducing a long-chain branched copolymer. RSC Advances, 2015, 5, 42162-42173.	3.6	38
33	Influence of catalysts used in synthesis of poly(p-dioxanone) on its thermal degradation behaviors. Polymer Degradation and Stability, 2015, 121, 253-260.	5.8	15
34	Shape-memory poly(p-dioxanone)â€“poly(É›-caprolactone)/sepiolite nanocomposites with enhanced recovery stress. Chinese Chemical Letters, 2015, 26, 1221-1224.	9.0	26
35	Chemical recycling of fiber-reinforced epoxy resin using a polyethylene glycol/NaOH system. Journal of Reinforced Plastics and Composites, 2014, 33, 2106-2114.	3.1	35
36	Degradation of polylactide using basic ionic liquid imidazolium acetates. Chemical Papers, 2014, 68, .	2.2	4

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37	Degradation of nylon 6 to produce a â€œpseudoâ€•amino acid ionic liquid. Polymer Degradation and Stability, 2014, 109, 171-174.	5.8	10
38	Nonisothermal crystallization behaviors of biodegradable double crystalline poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	2.6	2
39	Crystallization behavior of poly(<i>p</i>â€dioxanone)â€PU/montmorillonite nanocomposites prepared by chainâ€extending reaction. Journal of Applied Polymer Science, 2013, 127, 4093-4101.	2.6	0
40	Thermal Degradation, Crystallization, and Rheological Behavior of Biodegradable Poly(<i>p</i>-dioxanone)/Synthetic Hectorite Nanocomposites. Soft Materials, 2013, 11, 98-107.	1.7	2
41	Fractional Crystallization and Homogeneous Nucleation of Confined PEG Microdomains in PBS-PEG Multiblock Copolymers. Journal of Physical Chemistry B, 2013, 117, 10665-10676.	2.6	24
42	A facile method to produce PBS-PEG/CNTs nanocomposites with controllable electro-induced shape memory effect. Polymer Chemistry, 2013, 4, 3987.	3.9	31
43	Crystallization behavior and morphology of double crystalline poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td (su	3.8	20
44	Dynamic Origin and Thermally Induced Evolution of New Selfâ€Assembled Aggregates from an Amphiphilic Combâ€Like Graft Copolymer: A Multiscale and Multimorphological Procedure. Chemistry - A European Journal, 2012, 18, 12237-12241.	3.3	22
45	Poly(butylene succinate)-poly(ethylene glycol) multiblock copolymer: Synthesis, structure, properties and shape memory performance. Polymer Chemistry, 2012, 3, 800.	3.9	58
46	The influence of the surface character of the clays on the properties of poly(<i>p</i>â€dioxanone)/fibrous clay nanocomposites. Journal of Applied Polymer Science, 2012, 125, E247.	2.6	7
47	Preparation of Poly(<i>p</i>-dioxanone)/Sepiolite Nanocomposites with Excellent Strength/Toughness Balance via Surface-Initiated Polymerization. Industrial & Engineering Chemistry Research, 2011, 50, 10006-10016.	3.7	21
48	Characterization of Electrospun Poly(<i>p</i>-dioxanone) and Poly(<i>p</i>-dioxanone)/Clay Nanocomposite Fibers. Journal of Nanoscience and Nanotechnology, 2011, 11, 1609-1612.	0.9	2
49	Biodegradable poly(<i>p</i>â€dioxanone) reinforced and toughened by organoâ€modified vermiculite. Polymers for Advanced Technologies, 2011, 22, 993-1000.	3.2	9
50	Impact behavior and fracture morphology of acrylonitrileâ€“butadieneâ€“styrene resins toughened by linear random styreneâ€“isopreneâ€“butadiene rubber. Journal of Applied Polymer Science, 2011, 121, 2458-2466.	2.6	9
51	PPDO-PU/Montmorillonite Nanocomposites Prepared by Chain-Extending Reaction: Thermal Stability, Mechanical Performance and Rheological Behavior. Soft Materials, 2011, 9, 393-408.	1.7	5
52	Preparation of a new dialdehyde starch derivative and investigation of its thermoplastic properties. Journal of Polymer Research, 2010, 17, 439-446.	2.4	44
53	A facile approach to preparation of long-chain-branched poly(p-dioxanone). European Polymer Journal, 2010, 46, 24-33.	5.4	10
54	Notice of Retraction: How to learn polymer science well for university students whose major is not polymer science. , 2010, , .		0

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55	Nonisothermal Crystallization Behaviors of Flame-Retardant Copolyester/Montmorillonite Nanocomposites. Journal of Macromolecular Science - Physics, 2009, 48, 927-940.	1.0	5
56	An efficient approach to synthesize polysaccharidesâ€‹<i>graft</i>â€‹poly(<i>p</i>â€‹dioxanone) copolymers as potential drug carriers. Journal of Polymer Science Part A, 2009, 47, 5344-5353.	2.3	14
57	A novel biodegradable multiblock poly(ester urethane) containing poly(l-lactic acid) and poly(butylene succinate) blocks. Polymer, 2009, 50, 1178-1186.	3.8	166
58	Synthesis and Properties of Poly(Ester Urethane)s Consisting of Poly(l-Lactic Acid) and Poly(Ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.7	55
59	Rheology, Crystallization, and Biodegradability of Blends Based on Soy Protein and Chemically Modified Poly(butylene succinate). Industrial & Engineering Chemistry Research, 2009, 48, 4817-4825.	3.7	33
60	PROPERTIES OF POLY(<i>p</i>â€DIOXANONEâ€URETHANE) COPOLYMERS WITH CONTROLLABLE STRUCTURES. Soft Materials, 2009, 7, 277-295.	1.7	4
61	A Novel Potential Ecomaterial Based on Poly(<i>p</i>-Dioxanone)/Montmorillonite Nanocomposite With Improved Crystalline, Processing, and Mechanical Properties. Journal of Macromolecular Science - Physics, 2009, 48, 1031-1041.	1.0	10
62	Thermal and Thermo-Oxidative Degradation of Biodegradable Poly(Ester Urethane) Containing Poly(L-Lactic Acid) and Poly(Butylene Succinate) Blocks. Journal of Macromolecular Science - Physics, 2009, 48, 635-649.	1.0	11
63	A biodegradable copolymer from coupling poly(pdioxanone) with poly(ethylene succinate) via toluene-2,4- diisocyanate. E-Polymers, 2009, 9, .	3.0	0
64	Synthesis of poly(lactic acid-b-p-dioxanone) block copolymers from ring opening polymerization of p-dioxanone by poly(L-lactic acid) macroinitiators. Polymer Bulletin, 2008, 61, 139-146.	3.3	25
65	Ringâ€opening polymerization of 1,4â€dioxanâ€2â€one initiated by lanthanum isopropoxide in bulk. Journal of Polymer Science Part A, 2008, 46, 5214-5222.	2.3	15
66	A new approach to prepare high molecular weight poly(p-dioxanone) by chain-extending from dihydroxyl terminated propolymers. European Polymer Journal, 2008, 44, 465-474.	5.4	20
67	Structure and Properties of Soy Protein/Poly(butylene succinate) Blends with Improved Compatibility. Biomacromolecules, 2008, 9, 3157-3164.	5.4	89
68	In vitro degradation of biodegradable blending materials based on poly(p-dioxanone) and poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Research - Part A, 2007, 80A, 453-465.	4.0	24
69	Modified Corn Starches with Improved Comprehensive Properties for Preparing Thermoplastics. Starch/Staerke, 2007, 59, 258-268.	2.1	92
70	Copolymerization of poly(vinyl alcohol)-graft-poly(1,4-dioxan-2-one) with designed molecular structure by a solid-state polymerization method. Journal of Polymer Science Part A, 2006, 44, 3083-3091.	2.3	15
71	Thermal properties and non-isothermal crystallization behavior of biodegradable poly(p-dioxanone)/poly(vinyl alcohol) blends. Polymer International, 2006, 55, 383-390.	3.1	29
72	Synthesis, characterization, and thermal properties of a novel pentaerythritol-initiated star-shaped poly(p-dioxanone). Journal of Polymer Science Part A, 2006, 44, 1245-1251.	2.3	16

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73	A study on grafting poly(1,4-dioxan-2-one) onto starch via 2,4-tolylene diisocyanate. Carbohydrate Polymers, 2006, 65, 28-34.	10.2	27
74	A novel biodegradable poly(p-dioxanone)-grafted poly(vinyl alcohol) copolymer with a controllable in vitro degradation. Polymer, 2006, 47, 32-36.	3.8	42
75	Synthesis of block copolymers of poly(p-dioxanone) block poly(tetrahydrofuran). Polymer Bulletin, 2006, 57, 151-156.	3.3	6
76	A rapid synthesis of poly (p-dioxanone) by ring-opening polymerization under microwave irradiation. Polymer Bulletin, 2006, 57, 873-880.	3.3	20
77	Effects of molecular weights of bioabsorbable poly(p-dioxanone) on its crystallization behaviors. Journal of Applied Polymer Science, 2006, 100, 2331-2335.	2.6	18
78	ABA triblock copolymers from poly(p-dioxanone) and poly(ethylene glycol). Journal of Applied Polymer Science, 2006, 102, 1092-1097.	2.6	16
79	Chain-extension and thermal behaviors of poly(p-dioxanone) with toluene-2,4-diisocyanate. Reactive and Functional Polymers, 2005, 65, 309-315.	4.1	11
80	A novel biodegradable polyester from chain-extension of poly(p-dioxanone) with poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	5.8	25
81	Effect of PEG on the crystallization of PPDO/PEG blends. European Polymer Journal, 2005, 41, 1243-1250.	5.4	58
82	AlEt3-H2O-H3PO4 catalyzed polymerizations of 1, 4-dioxan-2-one. Polymer Bulletin, 2005, 54, 187-193.	3.3	9
83	Preparation and characterization of a novel biodegradable poly(p-dioxanone)/montmorillonite nanocomposite. Journal of Polymer Science Part A, 2005, 43, 2298-2303.	2.3	29
84	Effects of molecular weights of poly(p-dioxanone) on its thermal, rheological and mechanical properties and in vitro degradability. Materials Chemistry and Physics, 2004, 87, 218-221.	4.0	29
85	Agricultural Application and Environmental Degradation of Photo-Biodegradable Polyethylene Mulching Films. Journal of Polymers and the Environment, 2004, 12, 7-10.	5.0	33
86	Crystallization and morphology of starch-g-poly(1,4-dioxan-2-one) copolymers. Polymer, 2004, 45, 7961-7968.	3.8	17
87	Synthesis and nuclear magnetic resonance analysis of starch-g-poly(1,4-dioxan-2-one) copolymers. Journal of Polymer Science Part A, 2004, 42, 3417-3422.	2.3	17
88	Crystallization and morphology of a novel biodegradable polymer system: poly(1,4-dioxan-2-one)/starch blends. Acta Materialia, 2004, 52, 4899-4905.	7.9	42
89	A new biodegradable copolyester poly(butylene succinate-co-ethylene succinate-co-ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	7.9	61
90	Properties of Starch Blends with Biodegradable Polymers. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2003, 43, 385-409.	2.2	165

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91	Kinetics of thermal degradation and thermal oxidative degradation of poly(p-dioxanone). European Polymer Journal, 2003, 39, 1567-1574.	5.4	79
92	Kinetics of thermal degradation of flame retardant copolyesters containing phosphorus linked pendent groups. Polymer Degradation and Stability, 2003, 80, 135-140.	5.8	81
93	Thermogravimetric analysis of the decomposition of poly(1,4-dioxan-2-one)/starch blends. Polymer Degradation and Stability, 2003, 81, 415-421.	5.8	27
94	POLY(p-DIOXANONE) AND ITS COPOLYMERS. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2002, 42, 373-398.	2.2	194
95	Kinetics of thermal oxidative degradation of phosphorus-containing flame retardant copolyesters. Polymer Degradation and Stability, 2002, 76, 401-409.	5.8	68
96	Physical and chemical effects of diethylN,N?-diethanolaminomethylphosphate on flame retardancy of rigid polyurethane foam. Journal of Applied Polymer Science, 2001, 82, 276-282.	2.6	39