

# Weibo Kong

## List of Publications by Year in descending order

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45  
papers

968  
citations

471509

17  
h-index

454955

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Super tough and stable solidâ€“solid phase change material based on $\pi$ - $\pi$ stacking. <i>Chemical Engineering Journal</i> , 2022, 429, 132447.	12.7	24
2	A polyethylene glycol-based form-stable phase change material supported by nanoarray-modified metal foam. <i>Journal of Energy Storage</i> , 2022, 47, 103592.	8.1	16
3	An ultra-low hysteresis, self-healing and stretchable conductor based on dynamic disulfide covalent adaptable networks. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2012-2020.	10.3	28
4	A high dielectric constant copolyamide based on high dipole density. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	3
5	Facile preparation of reversible thermochromic phase change materials towards temperature-controlled information storage and self-reporting. <i>Journal of Energy Storage</i> , 2022, 50, 104292.	8.1	10
6	Thermal-Conductive, Dynamic Cross-Linked Solidâ€“Solid Phase Change Composites toward Sustainable Energy Utilization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 6448-6457.	3.7	8
7	A highly stable covalent adaptable network through $\pi$ - $\pi$ conjugated confinement effect. <i>Polymer</i> , 2022, 252, 124923.	3.8	1
8	Reprocessable, biodegradable polyester-based solid-solid phase change materials networks from dynamic ionic crosslinking with high latent heat capability. <i>Journal of Cleaner Production</i> , 2021, 297, 126630.	9.3	26
9	Processable and recyclable crosslinking solid-solid phase change materials based on dynamic disulfide covalent adaptable networks for thermal energy storage. <i>Energy</i> , 2021, 232, 121070.	8.8	36
10	Synthesis and characterization of combâ€“like crosslinking polyurethane based formâ€“stable phaseâ€“change materials for thermal energy storage. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4162-4170.	3.2	7
11	A novel intrinsic semi-aromatic polyamide dielectric toward excellent thermal stability, mechanical robustness and dielectric performance. <i>Polymer</i> , 2021, 234, 124233.	3.8	9
12	Reliable and recyclable dynamically combinatorial epoxy networks for thermal energy storage. <i>Solar Energy</i> , 2021, 230, 825-831.	6.1	13
13	Mechanically robust, exceptionally recyclable and shape memory cross-linked network based on reversible dynamic urea bonds. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22369-22378.	10.3	52
14	Nonconstant enthalpy of thermosetting solid-solid phase change materials controlled by light. <i>Energy and Buildings</i> , 2020, 214, 109894.	6.7	7
15	Thermally reliable, recyclable and malleable solidâ€“solid phase-change materials through the classical Dielsâ€“Alder reaction for sustainable thermal energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21802-21811.	10.3	88
16	Facile Preparation of Calcium Stearoyl Lactylate as Solidâ€“Liquid Phase Change Materials with Improved Form Stability and Adjustable Phase Transition Temperature for Thermal Comfort. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13136.	2.3	2
17	Preparation and properties of environment-friendly acrylic latex laminating adhesives applied in plastic/plastic composite films. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 2-17.	2.6	5
18	The synergistic effects of a novel intumescent flame-retardant poly-(4-nitrophenoxy)-phosphazene and ammonium polyphosphate on ABS systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 65-77.	3.6	8

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19	Structure-properties relationships of novel poly(carbonate-co-amide) segmented copolymers with polyamide-6 as hard segments and polycarbonate as soft segments. <i>Journal of Molecular Structure</i> , 2018, 1157, 52-60.	3.6	7
20	Synergistic effect of phosphorus-containing silane coupling agent with alumina trihydrate in ethylene vinyl acetate composites. <i>Advances in Polymer Technology</i> , 2018, 37, 1456-1468.	1.7	5
21	Effect of phase separation on water resistance of green waterborne polyurethanes: Unexpected stronger impact compared to hydrophilic segments. <i>Advances in Polymer Technology</i> , 2018, 37, 1618-1624.	1.7	19
22	Solvent-free preparation and performance of novel xylitol based solid-solid phase change materials for thermal energy storage. <i>Energy and Buildings</i> , 2018, 158, 37-42.	6.7	45
23	Preparation and characterization of a new class of poly(ether block amide)s via solvent free reactive processing. <i>Polymers for Advanced Technologies</i> , 2018, 29, 490-496.	3.2	4
24	Enhancement of char-forming and water resistance on ABS modified by poly(4-nitrophenoxy)phosphazene. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45988.	2.6	1
25	Novel thermosetting phase change materials with polycarbonatediol based curing agent as supporting skeleton for thermal energy storage. <i>Energy and Buildings</i> , 2017, 146, 12-18.	6.7	27
26	Synthesis and properties of bulk-biodegradable phase change materials based on polyethylene glycol for thermal energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 643-651.	3.6	16
27	Preparation and investigation of solid polymer electrolyte based on novel polyamide elastomer/metal salt. <i>Macromolecular Research</i> , 2017, 25, 864-870.	2.4	14
28	Multifunctional polyurethane-vitrimers completely based on transcarbamoylation of carbamates: thermally-induced dual-shape memory effect and self-welding. <i>RSC Advances</i> , 2017, 7, 26858-26866.	3.6	89
29	Molecular design for silane-terminated polyurethane applied to moisture-curable pressure-sensitive adhesive. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45292.	2.6	19
30	Preparation and thermal performance of polyurethane/PEG as novel form-stable phase change materials for thermal energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1011-1019.	3.6	28
31	Preparation, characterization and properties of poly(lactic acid)/poly(1,4-butylene adipate) blends for biodegradable packaging materials. <i>Macromolecular Research</i> , 2017, 25, 439-445.	2.4	15
32	Preparation and thermal properties of crosslinked polyurethane/lauric acid composites as novel form stable phase change materials with a low degree of supercooling. <i>RSC Advances</i> , 2017, 7, 29554-29562.	3.6	29
33	Preparation and characterization of a water resistance flame retardant and its enhancement on charring-forming for polycarbonate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 809-820.	3.6	17
34	Structure-property relations of novel polyamide-6 elastomers prepared through reactive processing. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	7
35	Preparation and characterizations of asphalt/lauric acid blends phase change materials for potential building materials. <i>Construction and Building Materials</i> , 2017, 152, 568-575.	7.2	39
36	A facile synthesis of solid-solid phase change material for thermal energy storage. <i>Applied Thermal Engineering</i> , 2017, 117, 622-628.	6.0	61

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37	Structure-property relations of nylon and polytetramethylene glycol based multiblock copolymers with microphase separation prepared through reactive processing. <i>Polymer International</i> , 2017, 66, 436-442.	3.1	18
38	Preparation and characterization of poly(ether-block-amide)/metal-salt antistatic composites. <i>Soft Materials</i> , 2016, 14, 46-56.	1.7	12
39	Two phosphorous-containing flame retardant form a novel intumescent flame-retardant system with polycarbonate. <i>Polymer Degradation and Stability</i> , 2016, 134, 136-143.	5.8	26
40	Reactive processing of thermoplastic elastomers based on polyamide-6: preparation and characterization. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 765-773.	2.4	6
41	Synthesis and characterization of poly(styrene-block-n-butyl acrylate) pentablock copolymer via RAFT emulsion polymerization mediated by amphiphilic macroRAFT agent combined with pre-emulsion technology. <i>Polymer Bulletin</i> , 2016, 73, 1649-1671.	3.3	6
42	Preparation and Characterization of Thermoplastic Elastomer Based on Amino-terminated Polyamide-6 and Diisocyanate-terminated Polytetramethylene Glycol. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1-8.	1.9	18
43	Synthesis of tris(phenoxy)trifluorocyclotriphosphazenes and study of its effects on the flammable, thermal, optical, and mechanical properties of bisphenol-A polycarbonate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 805-816.	3.6	15
44	Resistivity optimization and properties of silver nanoparticles-filled alcohol-soluble conductive coating based on acrylic resin. <i>High Performance Polymers</i> , 2015, 27, 930-938.	1.8	4
45	Novel solid-solid phase change materials with biodegradable trihydroxy surfactants for thermal energy storage. <i>RSC Advances</i> , 2015, 5, 68881-68889.	3.6	78