

# Junping Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,063  
citations

430874

18  
h-index

454955

30  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1340  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Azo-PDMS-based wearable UV sensor with the optimized photo response mode for dual sensing and synchronous detection. <i>Science China Technological Sciences</i> , 2022, 65, 179.	4.0	0
2	Fluorescent polyacrylamide nanospheres for concentration detection and fluorescent visual oil displacement experiments. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51898.	2.6	2
3	A Chewing Gum Residue-Based Gel with Superior Mechanical Properties and Self-Healability for Flexible Wearable Sensor. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200234.	3.9	7
4	Robust, healable and hydrophobically recoverable polydimethylsiloxane based supramolecular material with dual-activate hard segment. <i>Science China Technological Sciences</i> , 2021, 64, 423-432.	4.0	12
5	A Highly Stretchable, Self-Healing Elastomer with Rate Sensing Capability Based on a Dynamic Dual Network. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9043-9052.	8.0	44
6	An efficient, stable and reusable polymer/TiO <sub>2</sub> photocatalytic membrane for aqueous pollution treatment. <i>Journal of Materials Science</i> , 2021, 56, 11335-11351.	3.7	5
7	High-performance antibacterial film via synergistic effect between uniformly dispersed TiO <sub>2</sub> nanoparticles and multifunctional quaternary ammonium cationic ligand. <i>Progress in Organic Coatings</i> , 2021, 157, 106322.	3.9	7
8	A polymer nanocomposite coating with enhanced hydrophilicity, antibacterial and antibiofouling properties: Role of polymerizable emulsifier/anionic ligand. <i>Chemical Engineering Journal</i> , 2020, 379, 122268.	12.7	39
9	Mechanical and thermal performances of epoxy resin/graphitic carbon nitride composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48598.	2.6	9
10	Construction of electrostatic and $\pi$ - $\pi$ interaction to enhance interfacial adhesion between carbon nanoparticles and polymer matrix. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48633.	2.6	9
11	Colorless, transparent, and healable silicone elastomers by introducing Zn(II)-carboxylate interactions via aza-Michael reaction. <i>Journal of Materials Science</i> , 2020, 55, 14045-14057.	3.7	11
12	A Transparent, High Refractive, Shape-Memory, Healable, and Recyclable Phenolic Polyurethane Thermoset: Unexpected Roles of Bromine Substituents and Tertiary Amine Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900493.	2.2	10
13	Robust, reprocessable and shape-memory vinylogous urethane vitrimer composites enhanced by sacrificial and self-catalysis Zn(II)-ligand bonds. <i>Composites Science and Technology</i> , 2020, 190, 108062.	7.8	51
14	A robust mechanochromic self-healing poly(dimethylsiloxane) elastomer. <i>Science China Technological Sciences</i> , 2020, 63, 740-747.	4.0	10
15	An all-in-one supercapacitor with high stretchability via a facile strategy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8255-8261.	10.3	33
16	Degradable, reprocessable, self-healing PDMS/CNTs nanocomposite elastomers with high stretchability and toughness based on novel dual-dynamic covalent sacrificial system. <i>Composites Part B: Engineering</i> , 2019, 177, 107270.	12.0	59
17	Free-Standing Molybdenum Disulfide Composite Film Electrode for High Performance and Waterproof Flexible Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2158-A2164.	2.9	6
18	A Highly Ionic Conductive, Healable, and Adhesive Polysiloxane-Supported Ionogel. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800776.	3.9	58

#	ARTICLE	IF	CITATIONS
19	Effect of the sheet size on the thermal stability of silicone rubber/reduced graphene oxide nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47034.	2.6	11
20	Effect of flake size on thermal properties of graphene oxide/poly(methyl methacrylate) composites prepared via in situ polymerization. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46290.	2.6	4
21	Polymer/carbon nanotubes nanocomposites: relationship between interfacial adhesion and performance of nanocomposites. <i>Journal of Materials Science</i> , 2018, 53, 10160-10172.	3.7	6
22	Facile Preparation of Polydimethylsiloxane Elastomer with Self-Healing Property and Remoldability Based on Diels-Alder Chemistry. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800089.	3.6	36
23	A Highly Stretchable Self-Healing Poly(dimethylsiloxane) Elastomer with Reprocessability and Degradability. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700686.	3.9	96
24	Dispersion of nanoparticles in polymer matrices with well-designed ligands as dispersant/emulsifier/comonomer. <i>Composites Science and Technology</i> , 2018, 156, 215-222.	7.8	16
25	Effect of acid-treated multi-walled carbon nanotubes on thermo-oxidative stability and degradation behavior of silicone rubber. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 1353-1364.	3.6	9
26	The improved thermal oxidative stability of silicone rubber by incorporating reduced graphene oxide: Impact factors and action mechanism. <i>Polymer Composites</i> , 2018, 39, 1105-1115.	4.6	20
27	One-Step Preparation of Non-Covalent Functionalized Carboxylic Multi-Walled Carbon Nanotubes/Polymethyl Methacrylate Nanocomposites Via In Situ Polymerization. <i>Advances in Polymer Technology</i> , 2018, 37, 1008-1015.	1.7	3
28	Study on morphology, molecular weight and thermal properties of composite microspheres prepared by controlling feeding ways and reaction time. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45741.	2.6	3
29	Facile preparation of carbon nanotubes/graphene hybrids and the effect of aspect ratio of carbon nanotubes on electrical and thermal properties of silicone rubber based composites. <i>Materials Research Express</i> , 2018, 5, 015301.	1.6	3
30	Effect of $\pi$ - $\pi$ interaction between carbon nanotubes and phenyl groups on the thermal stability of silicone rubber. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 2503-2512.	3.6	8
31	Construction of a Different Polymer Chain Structure to Study $\pi$ - $\pi$ Interaction between Polymer and Reduced Graphene Oxide. <i>Polymers</i> , 2018, 10, 716.	4.5	28
32	Improving the filler dispersion and performance of silicone rubber/multi-walled carbon nanotube composites by noncovalent functionalization of polymethylphenylsiloxane. <i>Journal of Materials Science</i> , 2017, 52, 7516-7529.	3.7	36
33	Preparation of high strain polyaniline/polyvinyl alcohol composite and its applications in stretchable supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14568-14574.	2.2	20
34	Dissecting the structure of surface stabilizer on the dispersion of inorganic nanoparticles in aqueous medium. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	1
35	Use of ionic monomers to prepare halloysite polymer nanocomposites with reinforced mechanical performance. <i>Applied Clay Science</i> , 2017, 141, 248-256.	5.2	13
36	Preparation of high strain porous polyvinyl alcohol/polyaniline composite and its applications in all-solid-state supercapacitor. <i>Journal of Power Sources</i> , 2017, 364, 200-207.	7.8	48

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37	Facile synthesis of three-dimensional reinforced Sn@polyaniline/sodium alginate nanofiber hydrogel network for high performance lithium-ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4457-4464.	2.2	20
38	TGA-MS study on the effect of multi-walled carbon nanotubes and nano-Fe <sub>2</sub> O <sub>3</sub> on thermo-oxidative stability of silicone rubber. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 733-742.	3.6	8
39	Study of distinctions in the synergistic effects between carbon nanotubes and different metal oxide nanoparticles on enhancing thermal oxidative stability of silicone rubber. <i>Journal of Materials Science</i> , 2016, 51, 7130-7144.	3.7	15
40	The effect of clay modification on the mechanical properties of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (methacrylate) polymerization. <i>Polymer Composites</i> , 2016, 37, 1705-1714.	4.6	23
41	Synergistic effect of iron oxide modified carbon nanotubes on the thermal stability of silicone rubber under different atmospheres. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1281-1291.	3.6	14
42	Structure and thermal stability of PMMA/MMT nanocomposites as denture base material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1143-1151.	3.6	15
43	Facile surface modification of silica nanoparticles with a combination of noncovalent and covalent methods for composites application. <i>Composites Science and Technology</i> , 2014, 104, 1-8.	7.8	47
44	Effects of reaction conditions on intercalation between gelatin and montmorillonite: Thermodynamical impact. <i>Journal of Applied Polymer Science</i> , 2013, 128, 54-59.	2.6	7
45	Use of unmodified SiO <sub>2</sub> as nanofiller to improve mechanical properties of polymer-based nanocomposites. <i>Composites Science and Technology</i> , 2013, 89, 52-60.	7.8	89
46	A novel method for surface modification of nanoparticles based on control of charge environment. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	1
47	Influence of charge density and chain length on the interaction between organic anion and montmorillonite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 6-11.	1.0	6
48	Toughening effect of comonomer on acrylic denture base resin prepared via suspension copolymerization. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2406-2413.	2.6	8
49	Synthesis and biological evaluation of PMMA/MMT nanocomposite as denture base material. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1063-1071.	3.6	17
50	Influence of intercalated structure on the properties of montmorillonite/high-temperature vulcanized silicone rubber nanocomposites. <i>Journal of Polymer Research</i> , 2011, 18, 2359-2365.	2.4	11
51	Preparation and properties of gelatin-chitosan/montmorillonite drug-loaded microspheres. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 628-633.	1.0	16
52	Synthesis and characterization of PMMA/SiO <sub>2</sub> nanocomposites by <i>in situ</i> suspension polymerization. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1975-1981.	2.6	24
53	Intercalation of amido cationic drug with montmorillonite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007, 22, 250-252.	1.0	9