

# Xiang Zheng Kong

## List of Publications by Year in descending order

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81  
papers

1,554  
citations

257357

24  
h-index

360920

35  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological prediction and its application to the synthesis of polyacrylate/polysiloxane core/shell latex particles. <i>Journal of Applied Polymer Science</i> , 2001, 80, 2251-2258.	1.3	78
2	Study on the preparation and properties of styrene-butyl acrylate-silicone copolymer latices. <i>Journal of Applied Polymer Science</i> , 2001, 82, 3194-3200.	1.3	63
3	One step preparation of porous polyurea by reaction of toluene diisocyanate with water and its characterization. <i>RSC Advances</i> , 2014, 4, 33520-33529.	1.7	57
4	Precipitation Polymerization in Ethanol and Ethanol/Water to Prepare Uniform Microspheres of Poly(TMPTA- <i>st</i> styrene). <i>Macromolecular Rapid Communications</i> , 2009, 30, 909-914.	2.0	54
5	Preparation of hollow TiO <sub>2</sub> nanoparticles through TiO <sub>2</sub> deposition on polystyrene latex particles and characterizations of their structure and photocatalytic activity. <i>Nanoscale Research Letters</i> , 2012, 7, 646.	3.1	54
6	Immobilization of Lipase from <i>Pseudomonas fluorescens</i> on Porous Polyurea and Its Application in Kinetic Resolution of Racemic 1-Phenylethanol. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25714-25724.	4.0	50
7	Porous polyurea microspheres with Pd immobilized on surface and their catalytic activity in 4-nitrophenol reduction and organic dyes degradation. <i>European Polymer Journal</i> , 2020, 129, 109652.	2.6	49
8	Core-shell latex particles consisting of polysiloxane-poly(styrene-methyl methacrylate-acrylic acid): Preparation and pore generation. <i>Journal of Applied Polymer Science</i> , 1999, 73, 2235-2245.	1.3	43
9	High yield preparation of uniform polyurea microspheres through precipitation polymerization and their application as laccase immobilization support. <i>Chemical Engineering Journal</i> , 2017, 328, 1043-1050.	6.6	42
10	Encapsulation of calcium carbonate by styrene polymerization. <i>Polymers for Advanced Technologies</i> , 1999, 10, 54-59.	1.6	41
11	Fluorescence Behavior and Mechanisms of Poly(ethylene glycol) and Their Applications in Fe <sup>3+</sup> and Cr <sup>6+</sup> Detections, Data Encryption, and Cell Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5166-5178.	3.2	41
12	Preparation and characterization of nanosized P(NIPAM-MBA) hydrogel particles and adsorption of bovine serum albumin on their surface. <i>Nanoscale Research Letters</i> , 2012, 7, 519.	3.1	40
13	Synthesis of Silicone - Acrylate Copolymer Latexes and their Film Properties. <i>Polymers for Advanced Technologies</i> , 1996, 7, 95-97.	1.6	38
14	Fluorescent linear polyurea based on toluene diisocyanate: Easy preparation, broad emission and potential applications. <i>Chemical Engineering Journal</i> , 2020, 399, 125867.	6.6	36
15	Preparation of Polyacrylate - Polysiloxane Core - Shell Latex Particles. <i>Polymers for Advanced Technologies</i> , 1996, 7, 888-890.	1.6	35
16	A facile route to preparation of uniform polymer microspheres by quiescent polymerization with reactor standing still without any stirring. <i>Chemical Engineering Journal</i> , 2012, 213, 214-217.	6.6	34
17	Preparation of core-shell and hollow polyurea microspheres via precipitation polymerization using polyamine as crosslinker monomer. <i>Polymer Chemistry</i> , 2013, 4, 5776.	1.9	33
18	Study of cement mortars modified by emulsifier-free latexes. <i>Cement and Concrete Composites</i> , 2005, 27, 920-925.	4.6	32

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19	Influence of ingredients in water-based polyurethane-acrylic hybrid latexes on latex properties. <i>Progress in Organic Coatings</i> , 2008, 62, 251-257.	1.9	31
20	Preparation of uniform and porous polyurea microspheres of large size through interfacial polymerization of toluene diisocyanate in water solution of ethylene diamine. <i>Chemical Engineering Journal</i> , 2016, 303, 48-55.	6.6	30
21	Synthesis and characterization of a new compound bearing ketone and hydroxyl groups for preparation of ambient temperature self-crosslinking waterborne polyurethanes. <i>Progress in Organic Coatings</i> , 2007, 59, 324-330.	1.9	29
22	A novel protocol for the preparation of uniform polymer microspheres with high yields through step polymerization of isophorone diisocyanate. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4492-4497.	2.5	28
23	Preparation of highly uniform and crosslinked polyurea microspheres through precipitation copolymerization and their property and structure characterization. <i>RSC Advances</i> , 2014, 4, 32134-32141.	1.7	26
24	Highly Uniform and Porous Polyurea Microspheres: Clean and Easy Preparation by Interface Polymerization, Palladium Incorporation, and High Catalytic Performance for Dye Degradation. <i>Frontiers in Chemistry</i> , 2019, 7, 314.	1.8	25
25	Aliphatic amide salt, a new type of luminogen: Characterization, emission and biological applications. <i>Chemical Engineering Journal</i> , 2020, 388, 124182.	6.6	25
26	Preparation and formation mechanism of porous polyurea by reaction of toluene diisocyanate with water and its application as adsorbent for anionic dye removal. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 1196-1210.	2.0	24
27	Effective enhancement of Cu ions adsorption on porous polyurea adsorbent by carboxylic modification of its terminal amine groups. <i>Reactive and Functional Polymers</i> , 2020, 147, 104450.	2.0	23
28	Synthesis of monodisperse micron-sized poly(divinylbenzene) microspheres by solvothermal precipitation polymerization. <i>Chemical Engineering Journal</i> , 2016, 289, 135-141.	6.6	22
29	Preparation of Highly Uniform Polyurethane Microspheres by Precipitation Polymerization and Pd Immobilization on Their Surface and Their Catalytic Activity in 4-Nitrophenol Reduction and Dye Degradation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 2998-3007.	1.8	22
30	Spreadable dispersion of insect sex pheromone capsules, preparation via complex coacervation and release control of the encapsulated pheromone component molecule. <i>Biomedical Microdevices</i> , 2009, 11, 275-285.	1.4	21
31	Easy preparation of porous polyurea through copolymerization of toluene diisocyanate with ethylenediamine and its use as absorbent for copper ions. <i>Reactive and Functional Polymers</i> , 2018, 133, 143-152.	2.0	20
32	Formation and shape transition of porous polyurea of exotic forms through interfacial polymerization of toluene diisocyanate in aqueous solution of ethylenediamine and their characterization. <i>European Polymer Journal</i> , 2018, 109, 93-100.	2.6	20
33	A novel and simple pathway to synthesis of porous polyurea absorbent and its tests on dye adsorption and desorption. <i>Chinese Chemical Letters</i> , 2013, 24, 287-290.	4.8	19
34	Preparation of Highly Uniform Polyurea Microspheres through Precipitation Polymerization and Their Characterization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11528-11535.	1.8	19
35	Catalysis of isocyanate reaction with water by DMF and its use for fast preparation of uniform polyurea microspheres through precipitation polymerization. <i>European Polymer Journal</i> , 2019, 115, 384-390.	2.6	19
36	Control of pore generation and pore size in nanoparticles of poly(styrene-methyl methacrylate). <i>Journal of Polymer Science Part A: Polymer Chemistry</i> , 2013, 51, 1818-1824.	1.3	18

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37	Preparation of Thermoresponsive Polymer Nanogels of Oligo(Ethylene Glycol) Diacrylate-Methacrylic Acid and Their Property Characterization. <i>Nanoscale Research Letters</i> , 2018, 13, 209.	3.1	18
38	Fabrication of superhydrophobic/oleophilic membranes by chemical modification of cellulose filter paper and their application trial for oil/water separation. <i>Cellulose</i> , 2020, 27, 6093-6101.	2.4	17
39	One step in situ self-assembly of microspheres through precipitation polymerization in the presence of an organic template. <i>Soft Matter</i> , 2011, 7, 4055.	1.2	16
40	Porous Polyurea Supported Pd Catalyst: Easy Preparation, Full Characterization, and High Activity and Reusability in Reduction of Hexavalent Chromium in Aqueous System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 8108-8119.	1.8	16
41	Easy preparation of superoleophobic membranes based on cellulose filter paper and their use for water/oil separation. <i>Cellulose</i> , 2019, 26, 6813-6823.	2.4	15
42	Preparation of uniform poly(urea-siloxane) microspheres through precipitation polymerization. <i>RSC Advances</i> , 2015, 5, 90313-90320.	1.7	13
43	Polyurea Structure Characterization by HR-MAS NMR Spectroscopy. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 2993-2998.	1.8	13
44	Preparation of uniform polyurea microspheres at high yield by precipitation polymerization and their use for laccase immobilization. <i>Polymer</i> , 2021, 216, 123432.	1.8	13
45	Catalytic Behavior of Crosslinked Polystyrene Bound Platinum Complex in Hydrosilylation of Olefins. <i>Polymer Journal</i> , 2002, 34, 97-102.	1.3	12
46	Characterization and photocatalytic properties of silver and silver chloride doped TiO <sub>2</sub> hollow nanoparticles. <i>Chinese Chemical Letters</i> , 2012, 23, 1399-1402.	4.8	12
47	Microencapsulation of dodecyl acetate by complex coacervation of whey protein with acacia gum and its release behavior. <i>Chinese Chemical Letters</i> , 2012, 23, 847-850.	4.8	12
48	Monodisperse core/shell latex particles containing carboxylic acid groups and their optimum acid content for pore generation. <i>Journal of Applied Polymer Science</i> , 1999, 71, 1455-1460.	1.3	11
49	A green protocol to prepare monodisperse poly(TMPTMA-styrene) microspheres by photoinitiated precipitation polymerization in low-toxicity solvent. <i>Colloid and Polymer Science</i> , 2013, 291, 1771-1779.	1.0	11
50	Styrene-butyl acrylate copolymers latexes prepared with different functional monomers and their application as anti-icing coatings. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	11
51	A facile pathway to polyurea nanofiber fabrication and polymer morphology control in copolymerization of oxydianiline and toluene diisocyanate in acetone. <i>RSC Advances</i> , 2015, 5, 7426-7432.	1.7	10
52	An amphiphilic chitosan derivative modified by deoxycholic acid: preparation, physicochemical characterization, and application. <i>Journal of Materials Science</i> , 2015, 50, 2634-2642.	1.7	10
53	Pickering Emulsion Formation of Paraffin Wax in an Ethanol/Water Mixture Stabilized by Primary Polymer Particles and Wax Microspheres Thereof. <i>Langmuir</i> , 2018, 34, 2282-2289.	1.6	10
54	Characterization of Heterocoagulation with Oppositely Charged Polymer Colloid Particles through Online Tracking of Light Transmittance. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29136-29147.	4.0	9

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55	Preparation of Styrene - Divinyl Benzene Copolymer-supported Platinum Complexes and their Catalytic Properties in Hydrosilylation. <i>Polymers for Advanced Technologies</i> , 1996, 7, 76-78.	1.6	7
56	Preparation of cationic functional polymer latexes and measurement of involatile monomer conversion. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3662-3668.	1.3	7
57	Preparation and rheological properties of SEM-25 containing associative thickener latexes and their mechanisms of thickening. <i>Polymer Bulletin</i> , 2010, 64, 677-690.	1.7	6
58	Calculation of Grafting and Property Characterization in Polyurethane- $\epsilon$ -Acrylic Hybrid Materials Prepared by Emulsion Process. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2201-2210.	1.1	6
59	Preparation of cationic latexes of poly(styrene-CO-butyl acrylate) and their properties evolution in latex dilution. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 278-286.	2.0	6
60	Preparation and characterization of waterborne polyurethanes modified with bis(3-(1-methoxy-2-hydroxypropoxy) propyl) terminated polysiloxanes. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011, 29, 259-266.	2.0	5
61	Influence of main ingredients on properties of latex and latex film in polysiloxane modification of styrene-butyl acrylate copolymers. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	5
62	PREPARATION AND CHARACTERIZATION OF AMBIENT SELF-CROSSLINKING ACRYLIC POLYMER LATEXES. <i>Acta Polymerica Sinica</i> , 2009, 009, 471-477.	0.0	5
63	Micellar Solubilization and In Vitro Release of Silymarin in the self- $\epsilon$ -Aggregates of an Amphiphilic Derivative of Chitosan. <i>Macromolecular Symposia</i> , 2010, 297, 147-153.	0.4	4
64	Effect of PVP on the Stability of Spontaneously Formed Zwitterionic/Anionic Vesicles. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 291-296.	1.3	3
65	A green approach to crosslinked polymer microspheres with undoped methacrylate monomers and their potential application as dental restorative materials. <i>RSC Advances</i> , 2015, 5, 25840-25848.	1.7	3
66	Synthesis of Phosphatidyl-myo-inositol Polyphosphates and Derivatives. <i>ACS Symposium Series</i> , 1998, , 212-221.	0.5	2
67	Grafting of maleic anhydride onto styrene- $\epsilon$ -butadiene- $\epsilon$ -styrene triblock copolymer using supercritical CO <sub>2</sub> as a swelling agent. <i>Journal of Applied Polymer Science</i> , 2006, 102, 4425-4429.	1.3	2
68	Preparation of polydivinylbenzene microspheres in supercritical carbon dioxide using acetone as cosolvent. <i>Colloid and Polymer Science</i> , 2010, 288, 1571-1580.	1.0	2
69	Core- $\epsilon$ -shell latex particles consisting of polysiloxane- $\epsilon$ -poly(styrene-methyl methacrylate-acrylic acid): Preparation and pore generation. <i>Journal of Applied Polymer Science</i> , 1999, 73, 2235.	1.3	2
70	PREPARATIONS OF PSt/TiO <sub>2</sub> CORE-SHELL COMPOSITES AND HOLLOW TiO <sub>2</sub> PARTICLES BY HYDROLYSIS OF TETRABUTYL TITANATE IN PRESENCE OF PSt LATEX PARTICLES. <i>Acta Polymerica Sinica</i> , 2011, 011, 778-783.	0.0	2
71	PREPARATION AND CHARACTERIZATION OF PMMA/CA CORE/SHELL NANOPARTICLES. <i>Acta Polymerica Sinica</i> , 2011, 011, 427-434.	0.0	2
72	A novel associative latex thickener using ethoxylated behenyl methacrylate as functional monomer. <i>Chinese Chemical Letters</i> , 2010, 21, 616-619.	4.8	1

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73	Effects of cosolvent on formation and morphology of microspheres in precipitation polymerization of divinylbenzene in supercritical carbon dioxide. Chinese Chemical Letters, 2011, 22, 489-492.	4.8	1
74	Polyurea Materials and Their Environmental Applications. IOP Conference Series: Materials Science and Engineering, 2019, 484, 012043.	0.3	1
75	PREPARATION AND CHARACTERIZATION OF MICROCAPSULES WITH OLEYL ACETATE ENCAPSULATED BY COMPLEX COACERVATION OF WHEY PROTEIN AND GUM ACACIA. Acta Polymerica Sinica, 2009, 009, 1062-1069.	0.0	1
76	IMPACTS OF HYDROXYETHYL ACRYLATE AS COUPLING AGENT IN TRICOMPONENT HYBRID LATEXES OF POLYSILOXANE-POLYACRYLICS-POLYURETHANE. Acta Polymerica Sinica, 2011, 011, 1208-1217.	0.0	1
77	Immobilization of cobalt oxide nanoparticles on porous nitrogen-doped carbon as electrocatalyst for oxygen evolution. Chinese Journal of Chemical Engineering, 2022, 52, 10-18.	1.7	1
78	Spontaneous Nanotube Formation in Aqueous Mixture of Cationic Surfactant and Anionic Flat Compound. Journal of Dispersion Science and Technology, 2011, 32, 667-671.	1.3	0
79	Fabrication of solid and hollow colloidosomes through self-assembly of micron-sized polymer particles and their controlled transition. Polymer, 2021, 228, 123946.	1.8	0
80	INFLUENCE OF COUPLING AGENT ON GRAFTING IN ACRYLICS POLYURETHANE POLYMERS AND PROPERTIES OF THE HYBRID LATEX. Acta Polymerica Sinica, 2011, 011, 409-420.	0.0	0
81	IMPACT OF CROSS-LINKER AMOUNT ON THICKENING PERFORMANCE IN ASSOCIATIVE LATEX THICKENERS. Acta Polymerica Sinica, 2012, 012, 475-480.	0.0	0