Xiang Zheng Kong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3221562/publications.pdf

Version: 2024-02-01

81	1,554	257357	360920
papers	citations	24 h-index	35 g-index

83	83	83	1336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Preparation of uniform polyurea microspheres at high yield by precipitation polymerization and their use for laccase immobilization. Polymer, 2021, 216, 123432.	1.8	13
3	Fluorescence Behavior and Mechanisms of Poly(ethylene glycol) and Their Applications in Fe³⁺ and Cr⁶⁺ Detections, Data Encryption, and Cell Imaging. ACS Sustainable Chemistry and Engineering, 2021, 9, 5166-5178.	3.2	41
4	Porous Polyurea Supported Pd Catalyst: Easy Preparation, Full Characterization, and High Activity and Reusability in Reduction of Hexavalent Chromium in Aqueous System. Industrial & Engineering Chemistry Research, 2021, 60, 8108-8119.	1.8	16
5	Fabrication of solid and hollow colloidosomes through self-assembly of micronsized polymer particles and their controlled transition. Polymer, 2021, 228, 123946.	1.8	0
6	Effective enhancement of Cu ions adsorption on porous polyurea adsorbent by carboxylic modification of its terminal amine groups. Reactive and Functional Polymers, 2020, 147, 104450.	2.0	23
7	Fabrication of superhydrophobic/oleophilic membranes by chemical modification of cellulose filter paper and their application trial for oilâ€“water separation. Cellulose, 2020, 27, 6093-6101.	2.4	17
8	Fluorescent linear polyurea based on toluene diisocyanate: Easy preparation, broad emission and potential applications. Chemical Engineering Journal, 2020, 399, 125867.	6.6	36
9	Aliphatic amide salt, a new type of luminogen: Characterization, emission and biological applications. Chemical Engineering Journal, 2020, 388, 124182.	6.6	25
10	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. Industrial & Engineering Chemistry Research, 2020, 59, 2998-3007.	1.8	22
11	Porous polyurea microspheres with Pd immobilized on surface and their catalytic activity in 4-nitrophenol reduction and organic dyes degradation. European Polymer Journal, 2020, 129, 109652.	2.6	49
12	Easy preparation of superoleophobic membranes based on cellulose filter paper and their use for waterâ€“oil separation. Cellulose, 2019, 26, 6813-6823.	2.4	15
13	Highly Uniform and Porous Polyurea Microspheres: Clean and Easy Preparation by Interface Polymerization, Palladium Incorporation, and High Catalytic Performance for Dye Degradation. Frontiers in Chemistry, 2019, 7, 314.	1.8	25
14	Polyurea Materials and Their Environmental Applications. IOP Conference Series: Materials Science and Engineering, 2019, 484, 012043.	0.3	1
15	Catalysis of isocyanate reaction with water by DMF and its use for fast preparation of uniform polyurea microspheres through precipitation polymerization. European Polymer Journal, 2019, 115, 384-390.	2.6	19
16	Pickering Emulsion Formation of Paraffin Wax in an Ethanolâ€“Water Mixture Stabilized by Primary Polymer Particles and Wax Microspheres Thereof. Langmuir, 2018, 34, 2282-2289.	1.6	10
17	Easy preparation of porous polyurea through copolymerization of toluene diisocyanate with ethylenediamine and its use as absorbent for copper ions. Reactive and Functional Polymers, 2018, 133, 143-152.	2.0	20
18	Formation and shape transition of porous polyurea of exotic forms through interfacial polymerization of toluene diisocyanate in aqueous solution of ethylenediamine and their characterization. European Polymer Journal, 2018, 109, 93-100.	2.6	20

#	Article	IF	Citations
19	Preparation of Thermoresponsive Polymer Nanogels of Oligo(Ethylene Glycol) Diacrylate-Methacrylic Acid and Their Property Characterization. Nanoscale Research Letters, 2018, 13, 209.	3.1	18
20	Polyurea Structure Characterization by HR-MAS NMR Spectroscopy. Industrial & Engineering Chemistry Research, 2017, 56, 2993-2998.	1.8	13
21	High yield preparation of uniform polyurea microspheres through precipitation polymerization and their application as laccase immobilization support. Chemical Engineering Journal, 2017, 328, 1043-1050.	6.6	42
22	Characterization of Heterocoagulation with Oppositely Charged Polymer Colloid Particles through Online Tracking of Light Transmittance. ACS Applied Materials & Interfaces, 2016, 8, 29136-29147.	4.0	9
23	Immobilization of Lipase from Pseudomonas fluorescens on Porous Polyurea and Its Application in Kinetic Resolution of Racemic 1-Phenylethanol. ACS Applied Materials & Interfaces, 2016, 8, 25714-25724.	4.0	50
24	Preparation of Highly Uniform Polyurea Microspheres through Precipitation Polymerization and Their Characterization. Industrial & Engineering Chemistry Research, 2016, 55, 11528-11535.	1.8	19
25	Preparation of uniform and porous polyurea microspheres of large size through interfacial polymerization of toluene diisocyanate in water solution of ethylene diamine. Chemical Engineering Journal, 2016, 303, 48-55.	6.6	30
26	Synthesis of monodisperse micron-sized poly(divinylbenzene) microspheres by solvothermal precipitation polymerization. Chemical Engineering Journal, 2016, 289, 135-141.	6.6	22
27	A green approach to crosslinked polymer microspheres with undoped methacrylate monomers and their potential application as dental restorative materials. RSC Advances, 2015, 5, 25840-25848.	1.7	3
28	A facile pathway to polyurea nanofiber fabrication and polymer morphology control in copolymerization of oxydianiline and toluene diisocyanate in acetone. RSC Advances, 2015, 5, 7426-7432.	1.7	10
29	An amphiphilic chitosan derivative modified by deoxycholic acid: preparation, physicochemical characterization, and application. Journal of Materials Science, 2015, 50, 2634-2642.	1.7	10
30	Preparation of uniform poly(ureaâ€“siloxane) microspheres through precipitation polymerization. RSC Advances, 2015, 5, 90313-90320.	1.7	13
31	Preparation and formation mechanism of porous polyurea by reaction of toluene diisocyanate with water and its application as adsorbent for anionic dye removal. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1196-1210.	2.0	24
32	Influence of main ingredients on properties of latex and latex film in polysiloxane modification of styrene-butyl acrylate copolymers. Journal of Polymer Research, 2014, 21, 1.	1.2	5
33	Preparation of highly uniform and crosslinked polyurea microspheres through precipitation copolymerization and their property and structure characterization. RSC Advances, 2014, 4, 32134-32141.	1.7	26
34	One step preparation of porous polyurea by reaction of toluene diisocyanate with water and its characterization. RSC Advances, 2014, 4, 33520-33529.	1.7	57
35	Styrene-butyl acrylate copolymers latexes prepared with different functional monomers and their application as anti-icing coatings. Journal of Polymer Research, 2014, 21, 1.	1.2	11
36	A green protocol to prepare monodisperse poly(TMPTMAâ€“styrene) microspheres by photoinitiated precipitation polymerization in low-toxicity solvent. Colloid and Polymer Science, 2013, 291, 1771-1779.	1.0	11

#	Article	IF	Citations
37	Preparation of coreâ€“shell and hollow polyurea microspheres via precipitation polymerization using polyamine as crosslinker monomer. Polymer Chemistry, 2013, 4, 5776.	1.9	33
38	A novel and simple pathway to synthesis of porous polyurea absorbent and its tests on dye adsorption and desorption. Chinese Chemical Letters, 2013, 24, 287-290.	4.8	19
39	Characterization and photocatalytic properties of silver and silver chloride doped TiO2 hollow nanoparticles. Chinese Chemical Letters, 2012, 23, 1399-1402.	4.8	12
40	A facile route to preparation of uniform polymer microspheres by quiescent polymerization with reactor standing still without any stirring. Chemical Engineering Journal, 2012, 213, 214-217.	6.6	34
41	Microencapsulation of dodecyl acetate by complex coacervation of whey protein with acacia gum and its release behavior. Chinese Chemical Letters, 2012, 23, 847-850.	4.8	12
42	Preparation and characterization of nanosized P(NIPAM-MBA) hydrogel particles and adsorption of bovine serum albumin on their surface. Nanoscale Research Letters, 2012, 7, 519.	3.1	40
43	Preparation of hollow TiO2 nanoparticles through TiO2 deposition on polystyrene latex particles and characterizations of their structure and photocatalytic activity. Nanoscale Research Letters, 2012, 7, 646.	3.1	54
44	Preparation of cationic functional polymer latexes and measurement of involatile monomer conversion. Journal of Applied Polymer Science, 2012, 124, 3662-3668.	1.3	7
45	Preaparation of cationic latexes of poly(styrene-CO-butyl acrylate) and their properties evolution in latex dilution. Chinese Journal of Polymer Science (English Edition), 2012, 30, 278-286.	2.0	6
46	IMPACT OF CROSS-LINKER AMOUNT ON THICKENING PERFORMANCE IN ASSOCIATIVE LATEX THICKENERS. Acta Polymerica Sinica, 2012, 012, 475-480.	0.0	0
47	One step in situ self-assembly of microspheres through precipitation polymerization in the presence of an organic template. Soft Matter, 2011, 7, 4055.	1.2	16
48	Preparation and characterization of waterborne polyurethanes modified with bis(3-(1-methoxy-2-hydroxypropoxy) propyl) terminated polysiloxanes. Chinese Journal of Polymer Science (English Edition), 2011, 29, 259-266.	2.0	5
49	A novel protocol for the preparation of uniform polymer microspheres with high yields through step polymerization of isophorone diisocyanate. Journal of Polymer Science Part A, 2011, 49, 4492-4497.	2.5	28
50	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
51	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
52	PREPARATIONS OF PSt/TiO₂ CORE-SHELL COMPOSITES AND HOLLOW TiO₂ PARTICLES BY HYDROLYSIS OF TETRABUTYL TITANATE IN PRESENCE OF PSt LATEX PARTICLES. Acta Polymerica Sinica, 2011, 011, 778-783.	0.0	2
53	PREPARATION AND CHARACTERIZATION OF PMMA/CA CORE/SHELL NANOPARTICLES. Acta Polymerica Sinica, 2011, 011, 427-434.	0.0	2
54	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

#	Article	IF	Citations
55	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
56	Preparation and rheological properties of SEM-25 containing associative thickener latexes and their mechanisms of thickening. Polymer Bulletin, 2010, 64, 677-690.	1.7	6
57	Preparation of polydivinylbenzene microspheres in supercritical carbon dioxide using acetone as cosolvent. Colloid and Polymer Science, 2010, 288, 1571-1580.	1.0	2
58	Calculation of Grafting and Property Characterization in Polyurethaneâ€Acrylic Hybrid Materials Prepared by Emulsion Process. Macromolecular Chemistry and Physics, 2010, 211, 2201-2210.	1.1	6
59	A novel associative latex thickener using ethoxylated behenyl methacrylate as functional monomer. Chinese Chemical Letters, 2010, 21, 616-619.	4.8	1
60	Micellar Solubilization and In Vitro Release of Silymarin in the selfâ€Aggregates of an Amphiphilic Derivative of Chitosan. Macromolecular Symposia, 2010, 297, 147-153.	0.4	4
61	Precipitation Polymerization in Ethanol and Ethanol/Water to Prepare Uniform Microspheres of Poly(TMPTAâ€styrene). Macromolecular Rapid Communications, 2009, 30, 909-914.	2.0	54
62	Spreadable dispersion of insect sex pheromone capsules, preparation via complex coacervation and release control of the encapsulated pheromone component molecule. Biomedical Microdevices, 2009, 11, 275-285.	1.4	21
63	PREPARATION AND CHARACTERIZATION OF AMBIENT SELF-CROSSLINKING ACRYLIC POLYMER LATEXES. Acta Polymerica Sinica, 2009, 009, 471-477.	0.0	5
64	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
65	Influence of ingredients in water-based polyurethaneâ€“acrylic hybrid latexes on latex properties. Progress in Organic Coatings, 2008, 62, 251-257.	1.9	31
66	Synthesis and characterization of a new compound bearing ketone and hydroxyl groups for preparation of ambient temperature self-crosslinking waterborne polyurethanes. Progress in Organic Coatings, 2007, 59, 324-330.	1.9	29
67	Grafting of maleic anhydride onto styreneâ€“butadieneâ€“styrene triblock copolymer using supercritical CO2 as a swelling agent. Journal of Applied Polymer Science, 2006, 102, 4425-4429.	1.3	2
68	Study of cement mortars modified by emulsifier-free latexes. Cement and Concrete Composites, 2005, 27, 920-925.	4.6	32
69	Effect of PVP on the Stability of Spontaneously Formed Zwitterionic/Anionic Vesicles. Journal of Dispersion Science and Technology, 2005, 26, 291-296.	1.3	3
70	Catalytic Behavior of Crosslinked Polystyrene Bound Platinum Complex in Hydrosilylation of Olefins. Polymer Journal, 2002, 34, 97-102.	1.3	12
71	Morphological prediction and its application to the synthesis of polyacrylate/polysiloxane core/shell latex particles. Journal of Applied Polymer Science, 2001, 80, 2251-2258.	1.3	78
72	Study on the preparation and properties of styrene-butyl acrylate-silicone copolymer latices. Journal of Applied Polymer Science, 2001, 82, 3194-3200.	1.3	63

#	Article	IF	Citations
73	Monodisperse core/shell latex particles containing carboxylic acid groups and their optimum acid content for pore generation. Journal of Applied Polymer Science, 1999, 71, 1455-1460.	1.3	11
74	Control of pore generation and pore size in nanoparticles of poly(styrene-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (methacr	1.3	18
75	Core-shell latex particles consisting of polysiloxane-poly(styrene-methyl methacrylate-acrylic acid): Preparation and pore generation. Journal of Applied Polymer Science, 1999, 73, 2235-2245.	1.3	43
76	Encapsulation of calcium carbonate by styrene polymerization. Polymers for Advanced Technologies, 1999, 10, 54-59.	1.6	41
77	Coreâ€“shell latex particles consisting of polysiloxaneâ€“poly(styrene-methyl methacrylate-acrylic acid): Preparation and pore generation. Journal of Applied Polymer Science, 1999, 73, 2235.	1.3	2
78	Synthesis of Phosphatidyl-myo-inositol Polyphosphates and Derivatives. ACS Symposium Series, 1998, , 212-221.	0.5	2
79	Preparation of Styrene - Divinyl Benzene Copolymer-supported Platinum Complexes and their Catalytic Properties in Hydrosilylation. Polymers for Advanced Technologies, 1996, 7, 76-78.	1.6	7
80	Synthesis of Silicone - Acrylate Copolymer Latexes and their Film Properties. Polymers for Advanced Technologies, 1996, 7, 95-97.	1.6	38
81	Preparation of Polyacrylate - Polysiloxane Core - Shell Latex Particles. Polymers for Advanced Technologies, 1996, 7, 888-890.	1.6	35