Xue-Jun Cui

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8198337/publications.pdf

Version: 2024-02-01

102	2,770	147801	214800
papers	citations	31 h-index	47 g-index

103	103	103	2669
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crosslinked sulfonated poly(ether ether ketone) proton exchange membranes for direct methanol fuel cell applications. Journal of Power Sources, 2007, 164, 65-72.	7.8	175
2	Emulsifier-free coreâ€“shell polyacrylate latex nanoparticles containing fluorine and silicon in shell. Polymer, 2007, 48, 7241-7248.	3.8	110
3	Recent advances in polysaccharide-based self-healing hydrogels for biomedical applications. Carbohydrate Polymers, 2022, 283, 119161.	10.2	110
4	Preparation of a novel phosphorusâ€•and nitrogenâ€•containing flame retardant and its synergistic effect in the intumescent flameâ€•retarding polypropylene system. Polymer Composites, 2015, 36, 1606-1619.	4.6	89
5	Modification of sulfonated poly(ether ether ketone) proton exchange membrane for reducing methanol crossover. Journal of Power Sources, 2008, 180, 23-28.	7.8	73
6	Synthesis and characterization of coreâ€“shell SiO2-fluorinated polyacrylate nanocomposite latex particles containing fluorine in the shell. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 360, 41-46.	4.7	71
7	Synthesis and characterization of emulsifier-free coreâ€“shell fluorine-containing polyacrylate latex. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 173-178.	4.7	69
8	Crosslinked SPEEK/AMPS blend membranes with high proton conductivity and low methanol diffusion coefficient for DMFC applications. Journal of Power Sources, 2007, 168, 154-161.	7.8	68
9	Multi-stimuli responsive smart chitosan-based microcapsules for targeted drug delivery and triggered drug release. Ultrasonics Sonochemistry, 2017, 38, 145-153.	8.2	67
10	Synthesis of raspberry-like monodisperse magnetic hollow hybrid nanospheres by coating polystyrene template with Fe3O4@SiO2 particles. Journal of Colloid and Interface Science, 2011, 354, 94-99.	9.4	63
11	Sonochemical fabrication of inorganic nanoparticles for applications in catalysis. Ultrasonics Sonochemistry, 2021, 71, 105384.	8.2	58
12	Folic acid functionalized reduction-responsive magnetic chitosan nanocapsules for targeted delivery and triggered release of drugs. Carbohydrate Polymers, 2017, 168, 282-289.	10.2	57
13	Preparation and characterization of microencapsulated ammonium polyphosphate and its synergistic flame-retarded polyurethane rigid foams with expandable graphite. Polymer International, 2014, 63, 84-92.	3.1	52
14	Review on design strategies and considerations of polysaccharide-based smart drug delivery systems for cancer therapy. Carbohydrate Polymers, 2022, 279, 119013.	10.2	52
15	Clustering-Triggered Emission from Natural Products: Gelatin and Its Multifunctional Applications. ACS Sustainable Chemistry and Engineering, 2020, 8, 18816-18823.	6.7	51
16	Mesoporous silica nanoparticles capped with graphene quantum dots as multifunctional drug carriers for photo-thermal and redox-responsive release. Microporous and Mesoporous Materials, 2019, 278, 130-137.	4.4	42
17	Preparation of CuS nanoparticles embedded in poly(vinyl alcohol) nanofibre via electrospinning. Bulletin of Materials Science, 2008, 31, 189-192.	1.7	41
18	Synthesis and characterization of monodisperse magnetic Fe3O4@BSA coreâ€“shell nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1145-1151.	4.7	41

#	Article	IF	Citations
19	Sonochemical Synthesis of Hydrophilic Drug Loaded Multifunctional Bovine Serum Albumin Nanocapsules. ACS Applied Materials & Interfaces, 2015, 7, 19390-19397.	8.0	41
20	Preparation of microencapsulated ammonium polyphosphate with carbon source- and blowing agent-containing shell and its flame retardance in polypropylene. Journal of Polymer Research, 2014, 21, 1.	2.4	40
21	Sonochemical fabrication of folic acid functionalized multistimuli-responsive magnetic graphene oxide-based nanocapsules for targeted drug delivery. Chemical Engineering Journal, 2017, 326, 839-848.	12.7	40
22	Green synthesis of carbon quantum dots from corn stalk shell by hydrothermal approach in near-critical water and applications in detecting and bioimaging. Microchemical Journal, 2021, 166, 106250.	4.5	40
23	Coâ€microencapsulation of ammonium polyphosphate and aluminum hydroxide in halogenâ€free and intumescent flame retarding polypropylene. Polymer Composites, 2014, 35, 715-729.	4.6	38
24	Treatment of the saline-alkali soil with acidic corn stalk biochar and its effect on the sorghum yield in western Songnen Plain. Science of the Total Environment, 2021, 797, 149190.	8.0	38
25	Sonochemical catalysis as a unique strategy for the fabrication of nano-/micro-structured inorganics. Nanoscale Advances, 2021, 3, 41-72.	4.6	37
26	Sonochemical fabrication of magnetic reduction-responsive alginate-based microcapsules for drug delivery. International Journal of Biological Macromolecules, 2020, 155, 42-49.	7.5	36
27	Atomic-scale interactions of the interface between chitosan and Fe3O4. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 125-132.	4.7	35
28	Sonochemical Fabrication of Dual-Targeted Redox-Responsive Smart Microcarriers. ACS Applied Materials & Interfaces, 2014, 6, 22166-22173.	8.0	35
29	Fabrication and properties of poly(vinyl alcohol)-based polymer electrolyte membranes for direct methanol fuel cell applications. International Journal of Hydrogen Energy, 2014, 39, 17857-17864.	7.1	33
30	Fabrication of folic acid functionalized pH-responsive and thermosensitive magnetic chitosan microcapsules via a simple sonochemical method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 490, 22-29.	4.7	33
31	Organicâ€“inorganic hybrid proton exchange membranes based on silicon-containing polyacrylate nanoparticles with phosphotungstic acid. Journal of Power Sources, 2007, 173, 28-35.	7.8	31
32	Synthesis of folic acid functionalized redox-responsive magnetic proteinous microcapsules for targeted drug delivery. Journal of Colloid and Interface Science, 2015, 450, 325-331.	9.4	31
33	Sonochemistryâ€Assembled Stimuliâ€Responsive Polymer Microcapsules for Drug Delivery. Advanced Healthcare Materials, 2018, 7, e1701326.	7.6	31
34	Fabrication of folic acid decorated reductive-responsive starch-based microcapsules for targeted drug delivery via sonochemical method. Carbohydrate Polymers, 2018, 200, 508-515.	10.2	28
35	Riboflavin: A natural aggregation-induced emission luminogen (AIEgen) with excited-state proton transfer process for bioimaging. Dyes and Pigments, 2020, 182, 108642.	3.7	28
36	Synthesis and characterization of curcumin-loaded pH/reduction dual-responsive folic acid modified carboxymethyl cellulose-based microcapsules for targeted drug delivery. Journal of Industrial and Engineering Chemistry, 2022, 105, 251-258.	5.8	28

#	Article	IF	Citations
37	Ultrasonic-assisted fabrication and release kinetics of two model redox-responsive magnetic microcapsules for hydrophobic drug delivery. Ultrasonics Sonochemistry, 2019, 57, 223-232.	8.2	27
38	Novel biocompatible AIEgen from natural resources: Palmatine and its bioimaging application. Dyes and Pigments, 2021, 184, 108860.	3.7	27
39	Synthesis of multifunctional bovine serum albumin microcapsules by the sonochemical method for targeted drug delivery and controlled drug release. Colloids and Surfaces B: Biointerfaces, 2015, 136, 470-478.	5.0	26
40	Photoluminescence of Tilapia skin collagen: Aggregation-induced emission with clustering triggered emission mechanism and its multiple applications. International Journal of Biological Macromolecules, 2021, 182, 1437-1444.	7.5	26
41	Preparation and characterization of polystyrene/modified carbon black composite beads via in situ suspension polymerization. Polymer Composites, 2013, 34, 1110-1118.	4.6	25
42	A Facile Sonochemical Route for the Fabrication of Magnetic Protein Microcapsules for Targeted Delivery. Chemistry - A European Journal, 2013, 19, 9485-9488.	3.3	25
43	Subcritical Water Extraction of Huadian Oil Shale under Isothermal Condition and Pyrolysate Analysis. Energy & Fuels, 2014, 28, 2305-2313.	5.1	25
44	Preparation and characterization of self-crosslinked organic/inorganic proton exchange membranes. Journal of Power Sources, 2010, 195, 3990-3995.	7.8	24
45	Sonochemical preparation of folic acid-decorated reductive-responsive Îµ-poly-L-lysine-based microcapsules for targeted drug delivery and reductive-triggered release. Materials Science and Engineering C, 2020, 106, 110251.	7.3	24
46	Preparation of protein microcapsules with narrow size distribution by sonochemical method. Colloid and Polymer Science, 2013, 291, 2271-2278.	2.1	23
47	Molecular dynamics simulations of the interaction between Fe3O4 and biocompatible polymer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 62-66.	4.7	23
48	In situ growth induction of the corneal stroma cells using uniaxially aligned composite fibrous scaffolds. RSC Advances, 2015, 5, 12123-12130.	3.6	23
49	Fabrication of redox and pH dual-responsive magnetic graphene oxide microcapsules via sonochemical method. Ultrasonics Sonochemistry, 2017, 36, 437-445.	8.2	22
50	Temperature-sensitive poly(N-isopropylacrylamide)-chitosan hydrogel for fluorescence sensors in living cells and its antibacterial application. International Journal of Biological Macromolecules, 2021, 189, 316-323.	7.5	22
51	Preparation and characterization of polytetrafluoroethylene-polyacrylate coreâ€“shell nanoparticles. Polymers for Advanced Technologies, 2007, 18, 544-548.	3.2	18
52	Seeking Aggregation-Induced Emission Materials in Food: Oat Î²-Glucan and Its Diverse Applications. Journal of Agricultural and Food Chemistry, 2021, 69, 7680-7686.	5.2	18
53	Self-crosslinked organic-inorganic nanocomposite membranes with good methanol barrier for direct methanol fuel cell applications. Solid State Ionics, 2018, 315, 71-76.	2.7	17
54	Novel material from natural resource, Agarose with clustering-triggered emission and its diverse applications. Dyes and Pigments, 2021, 194, 109558.	3.7	17

#	Article	IF	Citations
55	Seeking brightness from nature: Sustainable AIE macromolecule with clustering-triggered emission of xanthan gum and its multiple applications. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111961.	5.0	17
56	Thermo-responsive poly(N-isopropylacrylamide)-hyaluronic acid nano-hydrogel and its multiple applications. International Journal of Biological Macromolecules, 2022, 194, 811-818.	7.5	17
57	Preparation of magnetic and pH-responsive chitosan microcapsules via sonochemical method. Journal of Microencapsulation, 2016, 33, 191-198.	2.8	16
58	Sulfonic Group-Functionalized Graphene Oxide-Filled Self-Cross-Linked Sulfonated Poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 11429-11437.	5.1	16
59	Sonochemical preparation of folate-decorated reductive-responsive carboxymethylcellulose-based nanocapsules for targeted drug delivery. Carbohydrate Polymers, 2021, 266, 118174.	10.2	16
60	Natural Silk Fibroin Based on Aggregation-Induced Emission with a Clustering-Triggered Mechanism and Its Multiple Applications. ACS Sustainable Chemistry and Engineering, 2021, 9, 12043-12048.	6.7	16
61	Synthesis of polytetrafluoroethylene/polyacrylate core-shell nanoparticles via emulsifier-free seeded emulsion polymerization. Colloid and Polymer Science, 2007, 285, 935-940.	2.1	15
62	Oneâ€step preparation of black polystyrene particles via in situ suspension polymerization. Polymer Engineering and Science, 2011, 51, 294-301.	3.1	15
63	A power-triggered preparation strategy of nano-structured inorganics: sonosynthesis. Nanoscale Advances, 2021, 3, 2423-2447.	4.6	15
64	Synthesis and characterization of fluoropolymer modified polyacrylate in emulsion polymerization. Journal of Applied Polymer Science, 2006, 99, 558-562.	2.6	14
65	Effect of Cd-phosphonate complex on the self-assembly structure of colloidal nanorods. Materials Letters, 2016, 180, 85-88.	2.6	14
66	Constructing of pH and reduction dual-responsive folic acid-modified hyaluronic acid-based microcapsules for dual-targeted drug delivery via sonochemical method. Colloids and Interface Science Communications, 2021, 44, 100503.	4.1	14
67	Sonochemical fabrication of reduction-responsive magnetic starch-based microcapsules. Ultrasonics Sonochemistry, 2018, 49, 169-174.	8.2	13
68	Seeking brightness from natural resources: Soy protein isolate and its multifunctional applications. Dyes and Pigments, 2021, 196, 109768.	3.7	12
69	Effects of temperature and concentration on the structure of ethylene oxideâ€“propylene oxideâ€“ethylene oxide triblock copolymer (Pluronic P65) in aqueous solution: a molecular dynamics simulation study. Molecular Simulation, 2011, 37, 1014-1022.	2.0	11
70	Synthesis and surface properties of semi-interpenetrating fluorine-containing polyacrylate and epoxy resin networks. Journal of Polymer Research, 2012, 19, 1.	2.4	11
71	Preparation and characterization of polymer electrolyte membranes based on silicon-containing core-shell structured nanocomposite latex particles. Journal of Power Sources, 2015, 289, 34-40.	7.8	11
72	Sono-catalysis preparation and alternating magnetic field/glutathione-triggered drug release kinetics of core-shell magnetic micro-organogel. Composites Science and Technology, 2022, 218, 109198.	7.8	11

#	Article	IF	Citations
73	Experimental investigation on the role of PVA in eliminating inhibition phenomenon of carbon black during the synthesis of polystyrene/carbon black composite particles. Polymer Engineering and Science, 2012, 52, 1309-1316.	3.1	10
74	Fabrication of modified alginate-based biocomposite hydrogel microspheres for efficient removal of heavy metal ions from water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 651, 129736.	4.7	10
75	Preparation and properties of polytetrafluoroethylene-modified polyacrylate via emulsion polymerization. Colloid and Polymer Science, 2005, 284, 218-223.	2.1	9
76	Investigation on raspberry-like magnetic-hollow silica nanospheres and its preliminary application for drug delivery. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	9
77	Fabrication of redox-responsive magnetic protein microcapsules from hen egg white by the sonochemical method. Journal of Microencapsulation, 2015, 32, 705-710.	2.8	9
78	Sonochemical fabrication of reduction-responsive alginate-based nanocapsules with folate targeting for drug delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 639, 128349.	4.7	9
79	Improvement in silicon-containing sulfonated polystyrene/acrylate membranes by blending and crosslinking. Electrochimica Acta, 2010, 55, 8410-8415.	5.2	8
80	Thermoresponsive gel for sustained release of BMP4 to inhibit corneal neovascularization. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111167.	5.0	8
81	The synergistic effect of polyorganosilicon and sulfonic groups functionalized graphene oxide on the performance of sulfonated poly (ether ether ketone ketone) polyelectrolyte material. Electrochimica Acta, 2021, 379, 138113.	5.2	8
82	Clustering-triggered emission of poly(vinyl) alcohol. Polymer Chemistry, 2021, 12, 7048-7055.	3.9	8
83	Antifungal activity of water-soluble products obtained following the liquefaction of cornstalk with sub-critical water. Pesticide Biochemistry and Physiology, 2020, 163, 263-270.	3.6	7
84	The effective methanol-blocking and proton conductivity membranes based on sulfonated poly (ether) Tj ETQq0 0 0 rgBT /Overlock 10 T Hydrogen Energy, 2020, 45, 22979-22989.	7.1	7
85	Thermo/glutathione-sensitive release kinetics of heterogeneous magnetic micro-organogel prepared by sono-catalysis. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112109.	5.0	7
86	Novel aggregation induced emission materials from natural Helianthus tuberosus, sustainable of inulin for room temperature phosphorescence. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127788.	4.7	7
87	Maltose: A natural disaccharide with aggregation-induced emission and room temperature phosphorescence and its multiple applications. Dyes and Pigments, 2022, 201, 110259.	3.7	7
88	Update of ultrasound-assembling fabrication and biomedical applications for heterogeneous polymer composites. Advances in Colloid and Interface Science, 2022, 305, 102683.	14.7	7
89	Preliminary evaluation of sulfonated poly(ether ether ketone)/monoethanolamine/adipic acid composite membranes for direct methanol fuel cell applications. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2871-2879.	2.1	6
90	The use of Photoshop software to estimate the adhesion and rustâ€resistant properties of coating film. Surface and Interface Analysis, 2011, 43, 913-917.	1.8	6

#	Article	IF	Citations
91	Temperature and pH dual-responsive supramolecular hydrogels based on riboflavin sodium phosphate and 2,6-Diaminopurine with thixotropic and fluorescent properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127548.	4.7	6
92	Chitosan-salicylide Schiff base with aggregation-induced emission property and its multiple applications. International Journal of Biological Macromolecules, 2022, 209, 1124-1132.	7.5	6
93	Aggregation-induced emission property of pectin from orange peel and its multiple applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129087.	4.7	6
94	Simulation and modeling of interior water-endurance property of polyacrylate latex films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 334, 171-175.	4.7	5
95	Process of grafting styrene onto LLDPE by swelling and suspension copolymerization. Polymer Engineering and Science, 2010, 50, 1713-1720.	3.1	5
96	Preparation of ultrafine poly(sodium 4-styrenesulfonate) fibres via electrospinning. Bulletin of Materials Science, 2011, 34, 531-533.	1.7	5
97	MESOSCOPIC SIMULATION ON THE PHASE STRUCTURE OF PLURONIC P105 AQUEOUS SOLUTION. Journal of Theoretical and Computational Chemistry, 2010, 09, 767-783.	1.8	4
98	Fabrication of functionalized nanosilicone particles-doped biodegradable eco-friendly proton exchange membranes. Journal of Materials Science, 2019, 54, 14504-14514.	3.7	4
99	Role of fluorocarbon surfactant in the preparation of polytetrafluoroethylene-modified polyacrylate emulsion. Journal of Applied Polymer Science, 2007, 105, 2138-2145.	2.6	3
100	Multi-objective simultaneous prediction of waterborne coating properties. Journal of Mathematical Chemistry, 2009, 46, 1050-1059.	1.5	3
101	Preparation of chitosanâ€modified coreâ€“shell SiO₂â€acidic polymer multiple crosslinked membranes. Journal of Applied Polymer Science, 2020, 137, 48494.	2.6	2
102	Multi-scales association modeling of membrane water resistance indexes. Journal of Mathematical Chemistry, 2010, 48, 720-732.	1.5	1