

Xue-Jun Cui

List of Publications by Year in descending order

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102
papers

2,770
citations

147801

31
h-index

214800

47
g-index

103
all docs

103
docs citations

103
times ranked

2669
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of curcumin-loaded pH/reduction dual-responsive folic acid modified carboxymethyl cellulose-based microcapsules for targeted drug delivery. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 251-258.	5.8	28
2	Novel aggregation induced emission materials from natural <i>Helianthus tuberosus</i> , sustainable of inulin for room temperature phosphorescence. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127788.	4.7	7
3	Thermo-responsive poly(N-isopropylacrylamide)-hyaluronic acid nano-hydrogel and its multiple applications. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 811-818.	7.5	17
4	Sono-catalysis preparation and alternating magnetic field/glutathione-triggered drug release kinetics of core-shell magnetic micro-organogel. <i>Composites Science and Technology</i> , 2022, 218, 109198.	7.8	11
5	Review on design strategies and considerations of polysaccharide-based smart drug delivery systems for cancer therapy. <i>Carbohydrate Polymers</i> , 2022, 279, 119013.	10.2	52
6	Sonochemical fabrication of reduction-responsive alginate-based nanocapsules with folate targeting for drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128349.	4.7	9
7	Recent advances in polysaccharide-based self-healing hydrogels for biomedical applications. <i>Carbohydrate Polymers</i> , 2022, 283, 119161.	10.2	110
8	Maltose: A natural disaccharide with aggregation-induced emission and room temperature phosphorescence and its multiple applications. <i>Dyes and Pigments</i> , 2022, 201, 110259.	3.7	7
9	Chitosan-salicylide Schiff base with aggregation-induced emission property and its multiple applications. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1124-1132.	7.5	6
10	Update of ultrasound-assembling fabrication and biomedical applications for heterogeneous polymer composites. <i>Advances in Colloid and Interface Science</i> , 2022, 305, 102683.	14.7	7
11	Aggregation-induced emission property of pectin from orange peel and its multiple applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129087.	4.7	6
12	Fabrication of modified alginate-based biocomposite hydrogel microspheres for efficient removal of heavy metal ions from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 651, 129736.	4.7	10
13	Novel biocompatible AIEgen from natural resources: Palmatine and its bioimaging application. <i>Dyes and Pigments</i> , 2021, 184, 108860.	3.7	27
14	Sonochemical fabrication of inorganic nanoparticles for applications in catalysis. <i>Ultrasonics Sonochemistry</i> , 2021, 71, 105384.	8.2	58
15	Sonochemical catalysis as a unique strategy for the fabrication of nano-/micro-structured inorganics. <i>Nanoscale Advances</i> , 2021, 3, 41-72.	4.6	37
16	The synergistic effect of polyorganosilicon and sulfonic groups functionalized graphene oxide on the performance of sulfonated poly (ether ether ketone ketone) polyelectrolyte material. <i>Electrochimica Acta</i> , 2021, 379, 138113.	5.2	8
17	Green synthesis of carbon quantum dots from corn stalk shell by hydrothermal approach in near-critical water and applications in detecting and bioimaging. <i>Microchemical Journal</i> , 2021, 166, 106250.	4.5	40
18	Photoluminescence of Tilapia skin collagen: Aggregation-induced emission with clustering triggered emission mechanism and its multiple applications. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1437-1444.	7.5	26

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19	Seeking Aggregation-Induced Emission Materials in Food: Oat β -Glucan and Its Diverse Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7680-7686.	5.2	18
20	Sonochemical preparation of folate-decorated reductive-responsive carboxymethylcellulose-based nanocapsules for targeted drug delivery. <i>Carbohydrate Polymers</i> , 2021, 266, 118174.	10.2	16
21	Natural Silk Fibroin Based on Aggregation-Induced Emission with a Clustering-Triggered Mechanism and Its Multiple Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12043-12048.	6.7	16
22	Constructing of pH and reduction dual-responsive folic acid-modified hyaluronic acid-based microcapsules for dual-targeted drug delivery via sonochemical method. <i>Colloids and Interface Science Communications</i> , 2021, 44, 100503.	4.1	14
23	Novel material from natural resource, Agarose with clustering-triggered emission and its diverse applications. <i>Dyes and Pigments</i> , 2021, 194, 109558.	3.7	17
24	Seeking brightness from nature: Sustainable AIE macromolecule with clustering-triggered emission of xanthan gum and its multiple applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111961.	5.0	17
25	Temperature-sensitive poly(N-isopropylacrylamide)-chitosan hydrogel for fluorescence sensors in living cells and its antibacterial application. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 316-323.	7.5	22
26	Treatment of the saline-alkali soil with acidic corn stalk biochar and its effect on the sorghum yield in western Songnen Plain. <i>Science of the Total Environment</i> , 2021, 797, 149190.	8.0	38
27	Temperature and pH dual-responsive supramolecular hydrogels based on riboflavin sodium phosphate and 2,6-Diaminopurine with thixotropic and fluorescent properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127548.	4.7	6
28	Seeking brightness from natural resources: Soy protein isolate and its multifunctional applications. <i>Dyes and Pigments</i> , 2021, 196, 109768.	3.7	12
29	Thermo/glutathione-sensitive release kinetics of heterogeneous magnetic micro-organogel prepared by sono-catalysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112109.	5.0	7
30	A power-triggered preparation strategy of nano-structured inorganics: sonosynthesis. <i>Nanoscale Advances</i> , 2021, 3, 2423-2447.	4.6	15
31	Clustering-triggered emission of poly(vinyl) alcohol. <i>Polymer Chemistry</i> , 2021, 12, 7048-7055.	3.9	8
32	Sonochemical preparation of folic acid-decorated reductive-responsive μ -poly-L-lysine-based microcapsules for targeted drug delivery and reductive-triggered release. <i>Materials Science and Engineering C</i> , 2020, 106, 110251.	7.3	24
33	Preparation of chitosan-modified core-shell SiO_2 -acidic polymer multiple crosslinked membranes. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48494.	2.6	2
34	Antifungal activity of water-soluble products obtained following the liquefaction of cornstalk with sub-critical water. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 263-270.	3.6	7
35	Sulfonic Group-Functionalized Graphene Oxide-Filled Self-Cross-Linked Sulfonated Poly(ether ether) Tj ETQq1 1 0.784314 rgBT /Overload 11429-11437.	5.1	16
36	Thermoresponsive gel for sustained release of BMP4 to inhibit corneal neovascularization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111167.	5.0	8

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37	Riboflavin: A natural aggregation-induced emission luminogen (AIEgen) with excited-state proton transfer process for bioimaging. <i>Dyes and Pigments</i> , 2020, 182, 108642.	3.7	28
38	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
39	Sonochemical fabrication of magnetic reduction-responsive alginate-based microcapsules for drug delivery. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 42-49.	7.5	36
40	Clustering-Triggered Emission from Natural Products: Gelatin and Its Multifunctional Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18816-18823.	6.7	51
41	Fabrication of functionalized nanosilicone particles-doped biodegradable eco-friendly proton exchange membranes. <i>Journal of Materials Science</i> , 2019, 54, 14504-14514.	3.7	4
42	Ultrasonic-assisted fabrication and release kinetics of two model redox-responsive magnetic microcapsules for hydrophobic drug delivery. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 223-232.	8.2	27
43	Mesoporous silica nanoparticles capped with graphene quantum dots as multifunctional drug carriers for photo-thermal and redox-responsive release. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 130-137.	4.4	42
44	Self-crosslinked organic-inorganic nanocomposite membranes with good methanol barrier for direct methanol fuel cell applications. <i>Solid State Ionics</i> , 2018, 315, 71-76.	2.7	17
45	Sonochemistry-Assembled Stimuli-Responsive Polymer Microcapsules for Drug Delivery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701326.	7.6	31
46	Sonochemical fabrication of reduction-responsive magnetic starch-based microcapsules. <i>Ultrasonics Sonochemistry</i> , 2018, 49, 169-174.	8.2	13
47	Fabrication of folic acid decorated reductive-responsive starch-based microcapsules for targeted drug delivery via sonochemical method. <i>Carbohydrate Polymers</i> , 2018, 200, 508-515.	10.2	28
48	Multi-stimuli responsive smart chitosan-based microcapsules for targeted drug delivery and triggered drug release. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 145-153.	8.2	67
49	Sonochemical fabrication of folic acid functionalized multistimuli-responsive magnetic graphene oxide-based nanocapsules for targeted drug delivery. <i>Chemical Engineering Journal</i> , 2017, 326, 839-848.	12.7	40
50	Folic acid functionalized reduction-responsive magnetic chitosan nanocapsules for targeted delivery and triggered release of drugs. <i>Carbohydrate Polymers</i> , 2017, 168, 282-289.	10.2	57
51	Fabrication of redox and pH dual-responsive magnetic graphene oxide microcapsules via sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 437-445.	8.2	22
52	Preparation of magnetic and pH-responsive chitosan microcapsules via sonochemical method. <i>Journal of Microencapsulation</i> , 2016, 33, 191-198.	2.8	16
53	Effect of Cd-phosphonate complex on the self-assembly structure of colloidal nanorods. <i>Materials Letters</i> , 2016, 180, 85-88.	2.6	14
54	Fabrication of folic acid functionalized pH-responsive and thermosensitive magnetic chitosan microcapsules via a simple sonochemical method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 490, 22-29.	4.7	33

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55	Preparation and characterization of polymer electrolyte membranes based on silicon-containing core-shell structured nanocomposite latex particles. <i>Journal of Power Sources</i> , 2015, 289, 34-40.	7.8	11
56	Fabrication of redox-responsive magnetic protein microcapsules from hen egg white by the sonochemical method. <i>Journal of Microencapsulation</i> , 2015, 32, 705-710.	2.8	9
57	In situ growth induction of the corneal stroma cells using uniaxially aligned composite fibrous scaffolds. <i>RSC Advances</i> , 2015, 5, 12123-12130.	3.6	23
58	Synthesis of folic acid functionalized redox-responsive magnetic proteinous microcapsules for targeted drug delivery. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 325-331.	9.4	31
59	Synthesis of multifunctional bovine serum albumin microcapsules by the sonochemical method for targeted drug delivery and controlled drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 470-478.	5.0	26
60	Sonochemical Synthesis of Hydrophilic Drug Loaded Multifunctional Bovine Serum Albumin Nanocapsules. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19390-19397.	8.0	41
61	Preparation of a novel phosphorus- and nitrogen-containing flame retardant and its synergistic effect in the intumescent flame-retarding polypropylene system. <i>Polymer Composites</i> , 2015, 36, 1606-1619.	4.6	89
62	Co-microencapsulation of ammonium polyphosphate and aluminum hydroxide in halogen-free and intumescent flame retarding polypropylene. <i>Polymer Composites</i> , 2014, 35, 715-729.	4.6	38
63	Sonochemical Fabrication of Dual-Targeted Redox-Responsive Smart Microcarriers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22166-22173.	8.0	35
64	Preparation and characterization of microencapsulated ammonium polyphosphate and its synergistic flame-retarded polyurethane rigid foams with expandable graphite. <i>Polymer International</i> , 2014, 63, 84-92.	3.1	52
65	Molecular dynamics simulations of the interaction between Fe ₃ O ₄ and biocompatible polymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 456, 62-66.	4.7	23
66	Fabrication and properties of poly(vinyl alcohol)-based polymer electrolyte membranes for direct methanol fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17857-17864.	7.1	33
67	Preparation of microencapsulated ammonium polyphosphate with carbon source- and blowing agent-containing shell and its flame retardance in polypropylene. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	40
68	Subcritical Water Extraction of Huadian Oil Shale under Isothermal Condition and Pyrolysate Analysis. <i>Energy & Fuels</i> , 2014, 28, 2305-2313.	5.1	25
69	Investigation on raspberry-like magnetic-hollow silica nanospheres and its preliminary application for drug delivery. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	9
70	Preparation and characterization of polystyrene/modified carbon black composite beads via in situ suspension polymerization. <i>Polymer Composites</i> , 2013, 34, 1110-1118.	4.6	25
71	Synthesis and characterization of monodisperse magnetic Fe ₃ O ₄ @BSA core-shell nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 1145-1151.	4.7	41
72	Atomic-scale interactions of the interface between chitosan and Fe ₃ O ₄ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 125-132.	4.7	35

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73	A Facile Sonochemical Route for the Fabrication of Magnetic Protein Microcapsules for Targeted Delivery. <i>Chemistry - A European Journal</i> , 2013, 19, 9485-9488.	3.3	25
74	Preparation of protein microcapsules with narrow size distribution by sonochemical method. <i>Colloid and Polymer Science</i> , 2013, 291, 2271-2278.	2.1	23
75	Experimental investigation on the role of PVA in eliminating inhibition phenomenon of carbon black during the synthesis of polystyrene/carbon black composite particles. <i>Polymer Engineering and Science</i> , 2012, 52, 1309-1316.	3.1	10
76	Synthesis and surface properties of semi-interpenetrating fluorine-containing polyacrylate and epoxy resin networks. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	11
77	Preparation of ultrafine poly(sodium 4-styrenesulfonate) fibres via electrospinning. <i>Bulletin of Materials Science</i> , 2011, 34, 531-533.	1.7	5
78	One-step preparation of black polystyrene particles via <i>in situ</i> suspension polymerization. <i>Polymer Engineering and Science</i> , 2011, 51, 294-301.	3.1	15
79	The use of Photoshop software to estimate the adhesion and rust-resistant properties of coating film. <i>Surface and Interface Analysis</i> , 2011, 43, 913-917.	1.8	6
80	Synthesis of raspberry-like monodisperse magnetic hollow hybrid nanospheres by coating polystyrene template with Fe ₃ O ₄ @SiO ₂ particles. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 94-99.	9.4	63
81	Effects of temperature and concentration on the structure of ethylene oxide-propylene oxide-ethylene oxide triblock copolymer (Pluronic P65) in aqueous solution: a molecular dynamics simulation study. <i>Molecular Simulation</i> , 2011, 37, 1014-1022.	2.0	11
82	Multi-scales association modeling of membrane water resistance indexes. <i>Journal of Mathematical Chemistry</i> , 2010, 48, 720-732.	1.5	1
83	Preparation and characterization of self-crosslinked organic/inorganic proton exchange membranes. <i>Journal of Power Sources</i> , 2010, 195, 3990-3995.	7.8	24
84	Synthesis and characterization of core-shell SiO ₂ -fluorinated polyacrylate nanocomposite latex particles containing fluorine in the shell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 41-46.	4.7	71
85	Improvement in silicon-containing sulfonated polystyrene/acrylate membranes by blending and crosslinking. <i>Electrochimica Acta</i> , 2010, 55, 8410-8415.	5.2	8
86	Process of grafting styrene onto LLDPE by swelling and suspension copolymerization. <i>Polymer Engineering and Science</i> , 2010, 50, 1713-1720.	3.1	5
87	MESOSCOPIC SIMULATION ON THE PHASE STRUCTURE OF PLURONIC P105 AQUEOUS SOLUTION. <i>Journal of Theoretical and Computational Chemistry</i> , 2010, 09, 767-783.	1.8	4
88	Multi-objective simultaneous prediction of waterborne coating properties. <i>Journal of Mathematical Chemistry</i> , 2009, 46, 1050-1059.	1.5	3
89	Simulation and modeling of interior water-endurance property of polyacrylate latex films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 334, 171-175.	4.7	5
90	Modification of sulfonated poly(ether ether ketone) proton exchange membrane for reducing methanol crossover. <i>Journal of Power Sources</i> , 2008, 180, 23-28.	7.8	73

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91	Preparation of CuS nanoparticles embedded in poly(vinyl alcohol) nanofibre via electrospinning. <i>Bulletin of Materials Science</i> , 2008, 31, 189-192.	1.7	41
92	Role of fluorocarbon surfactant in the preparation of polytetrafluoroethylene-modified polyacrylate emulsion. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2138-2145.	2.6	3
93	Synthesis and characterization of emulsifier-free core-shell fluorine-containing polyacrylate latex. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 303, 173-178.	4.7	69
94	Crosslinked sulfonated poly(ether ether ketone) proton exchange membranes for direct methanol fuel cell applications. <i>Journal of Power Sources</i> , 2007, 164, 65-72.	7.8	175
95	Crosslinked SPEEK/AMPS blend membranes with high proton conductivity and low methanol diffusion coefficient for DMFC applications. <i>Journal of Power Sources</i> , 2007, 168, 154-161.	7.8	68
96	Emulsifier-free core-shell polyacrylate latex nanoparticles containing fluorine and silicon in shell. <i>Polymer</i> , 2007, 48, 7241-7248.	3.8	110
97	Preparation and characterization of polytetrafluoroethylene-polyacrylate core-shell nanoparticles. <i>Polymers for Advanced Technologies</i> , 2007, 18, 544-548.	3.2	18
98	Preliminary evaluation of sulfonated poly(ether ether ketone)/monoethanolamine/adipic acid composite membranes for direct methanol fuel cell applications. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2871-2879.	2.1	6
99	Synthesis of polytetrafluoroethylene/polyacrylate core-shell nanoparticles via emulsifier-free seeded emulsion polymerization. <i>Colloid and Polymer Science</i> , 2007, 285, 935-940.	2.1	15
100	Organic-inorganic hybrid proton exchange membranes based on silicon-containing polyacrylate nanoparticles with phosphotungstic acid. <i>Journal of Power Sources</i> , 2007, 173, 28-35.	7.8	31
101	Synthesis and characterization of fluoropolymer modified polyacrylate in emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 99, 558-562.	2.6	14
102	Preparation and properties of polytetrafluoroethylene-modified polyacrylate via emulsion polymerization. <i>Colloid and Polymer Science</i> , 2005, 284, 218-223.	2.1	9