

# Xu Weijian

## List of Publications by Citations

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92  
papers

1,548  
citations

22  
h-index

34  
g-index

93  
ext. papers

1,756  
ext. citations

4.3  
avg, IF

4.76  
L-index

#	Paper	IF	Citations
92	Coatings super-repellent to ultralow surface tension liquids. <i>Nature Materials</i> , <b>2018</b> , 17, 1040-1047	27	190
91	3D Graphene Frameworks/Co O Composites Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. <i>Small</i> , <b>2017</b> , 13, 1602077	11	118
90	Development of a DOPO-containing melamine epoxy hardeners and its thermal and flame-retardant properties of cured products. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4352-4358	2.9	76
89	General Avenue to Multifunctional Aqueous Nanocrystals Stabilized by Hyperbranched Polyglycerol. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1461-1470	9.6	66
88	Durable superoleophobic fabric surfaces with counterintuitive superwettability for polar solvents. <i>AIChE Journal</i> , <b>2014</b> , 60, 2752-2756	3.6	56
87	Efficient Grafting of Hyperbranched Polyglycerol from Hydroxyl-Functionalized Multiwalled Carbon Nanotubes by Surface-Initiated Anionic Ring-Opening Polymerization. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 1011-1018	2.6	50
86	A novel MnO <sub>2</sub> /MXene composite prepared by electrostatic self-assembly and its use as an electrode for enhanced supercapacitive performance. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 199-208	6.8	46
85	High concentration and stable few-layer graphene dispersions prepared by the exfoliation of graphite in different organic solvents. <i>RSC Advances</i> , <b>2013</b> , 3, 9490	3.7	40
84	Amphibious polymer-functionalized CdTe quantum dots: Synthesis, thermo-responsive self-assembly, and photoluminescent properties. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5655		38
83	Redox-responsive, core-crosslinked degradable micelles for controlled drug release. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6330-6339	4.9	33
82	A cationic azobenzene-surfactant-modified graphene hybrid: unique photoresponse and electrochemical behavior. <i>Nanoscale</i> , <b>2015</b> , 7, 19673-86	7.7	29
81	Photo-responsive reversible micelles based on azobenzene-modified poly(carbonate)s via azide-alkyne click chemistry. <i>RSC Advances</i> , <b>2014</b> , 4, 47929-47936	3.7	29
80	Reversibly light-responsive biodegradable poly(carbonate) micelles constructed via CuAAC reaction. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 750-760	2.5	27
79	Quantitative Monitoring of Hypoxia-Induced Intracellular Acidification in Lung Tumor Cells and Tissues Using Activatable Surface-Enhanced Raman Scattering Nanoprobes. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11852-11859	7.8	26
78	Application of Click Chemistry in the Fabrication of Cactus-Like Hierarchical Particulates for Sticky Superhydrophobic Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 5926-5931	3.8	26
77	Synthesis and characterization of polyhedral oligomeric silsesquioxane hybrid co-crosslinked poly(N-isopropylacrylamide-co-dimethylaminoethyl methacrylate) hydrogels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2013</b> , 51, 1494-1504	2.6	25
76	Simultaneous photoluminescence import and mechanical enhancement of polymer films using silica-hybridized quantum dots. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 5675		25

75	Programmable DNA triple-helix molecular switch in biosensing applications: from in homogenous solutions to in living cells. <i>Chemical Communications</i> , <b>2017</b> , 53, 2507-2510	5.8	24
74	Responsiveness, swelling, and mechanical properties of PNIPA nanocomposite hydrogels reinforced by nanocellulose. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 1797-1807	2.5	23
73	Synthesis and characterization of pH and temperature double-sensitive nanocomposite hydrogels consisting of poly(dimethylaminoethyl methacrylate) and clay. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 1394-1404	2.5	23
72	Few-layer N-doped porous carbon nanosheets derived from corn stalks as a bifunctional electrocatalyst for overall water splitting. <i>Fuel</i> , <b>2020</b> , 280, 118567	7.1	23
71	Preparation of microencapsulated ammonium polyphosphate with montmorillonite-melamine formaldehyde resin and its flame retardancy in EVM. <i>Polymers for Advanced Technologies</i> , <b>2012</b> , 23, 166-170	3.7	22
70	Preparation of Light-Responsive Polyester Micelles via Ring-Opening Polymerization of O-Carboxyanhydride and Azide-Alkyne Click Chemistry. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 77-84	2.6	20
69	Fabrication of a coumarin-driven switchable superhydrophobic silica surface by photochemistry. <i>Soft Matter</i> , <b>2012</b> , 8, 7357	3.6	19
68	Nitrogen-doped hierarchical porous carbons prepared via freeze-drying assisted carbonization for high-performance supercapacitors. <i>Applied Surface Science</i> , <b>2019</b> , 496, 143643	6.7	17
67	Cyclodextrin supramolecular inclusion-enhanced pyrene excimer switching for time-resolved fluorescence detection of biothiols in serum. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 253-258	11.8	17
66	Photo-responsive amphiphilic poly(β-hydroxy acids) with pendent o-nitrobenzyl ester constructed via copper-catalyzed azide-alkyne cycloaddition reaction. <i>Polymers for Advanced Technologies</i> , <b>2015</b> , 26, 449-456	3.2	16
65	Curing kinetics of fluorene containing benzoxazine investigated by nonisothermal differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2481-2487	2.9	16
64	Synthesis of a novel graphene-based gold nanocomposite using PVEIM-b-PNIPAM as a stabilizer and its thermosensitivity for the catalytic reduction of 4-nitrophenol. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 903-913	6.8	15
63	Derivatization of pristine graphene for bulk heterojunction polymeric photovoltaic devices. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 16723		15
62	Flame Retardancy and Mechanical Properties of Ethylene-vinyl Acetate Rubber with Expandable Graphite/Ammonium Polyphosphate/Dipentaerythritol System. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 1864-1872	1.4	15
61	A feasible and environmentally friendly method to simultaneously synthesize MoS <sub>2</sub> quantum dots and pore-rich monolayer MoS <sub>2</sub> for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 433-442	6.7	15
60	Light and pH dual-sensitive biodegradable polymeric nanoparticles for controlled release of cargos. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 1773-1783	2.5	14
59	An Hg <sup>2+</sup> -selective chemosensor based on the self-assembly of a novel amphiphilic block copolymer bearing rhodamine 6G derivative moieties in purely aqueous media. <i>Analytical Methods</i> , <b>2015</b> , 7, 2738-2746	2.2	14
58	Preparation of ultraviolet-cured bisphenol A epoxy diacrylate/montmorillonite nanocomposites with a bifunctional, reactive, organically modified montmorillonite as the only initiator via in situ polymerization. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 813-818	2.9	14

57	Preparation and properties of nylon 6/carboxylic silica nanocomposites via in situ polymerization. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 1316-1324	2.9	13
56	High-flow nylon 6 by in situ polymerization: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 2365-2372	2.9	13
55	Photoresponsive biodegradable poly(carbonate)s with pendent o-nitrobenzyl ester. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 2770-2780	2.5	12
54	Highly Controlled Organotellurium-Mediated Living Radical Polymerization (TERP) in Ionic Liquids (ILs). The New Role of ILs in Radical Reactions.. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 146-149	6.6	12
53	Synthesis of a novel intumescent flame retardant and its application in EVM. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1544-1551	2.9	12
52	Investigation on nonisothermal crystallization kinetics of the high-flow nylon 6 by differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 2201-2211	2.6	12
51	Bimetal zeolite imidazolate framework derived MoNi-MoC@NC nanosphere for overall water splitting in alkaline solution. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 592, 349-357	9.3	12
50	Transcription of G-quartet supramolecular aggregates into hierarchical mesoporous silica nanotubes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7912-20	4.3	11
49	Spiropyran-decorated light-responsive amphiphilic poly( $\alpha$ -hydroxy acids) micelles constructed via a CuAAC reaction. <i>RSC Advances</i> , <b>2014</b> , 4, 58432-58439	3.7	11
48	Synthesis of a novel aromatic $\alpha$ -liphatc hyperbranched polyamide and its application in piezoelectric immunosensors. <i>Polymer International</i> , <b>2007</b> , 56, 1432-1439	3.3	11
47	An Anionic Heptacopper(II) Oxo-Cluster {Cu(II) <sub>7</sub> } with an S = 7/2 Ground State. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 540-2	5.1	10
46	Silica/poly (N-vinylimidazolium) nanospheres by combined RAFT polymerization and thiol-ene click chemistry. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 684-688	3.2	10
45	Preparation and characterization of strongly swellable modified-lignosulfonate hydrogel particles. <i>Iranian Polymer Journal (English Edition)</i> , <b>2013</b> , 22, 749-756	2.3	10
44	Phytic acid assisted preparation of high-performance supercapacitor electrodes from noncarbonizable polyvinylpyrrolidone. <i>Journal of Power Sources</i> , <b>2020</b> , 448, 227402	8.9	10
43	Functionalized Graphene Obtained via Thiol-Ene Click Reactions as an Efficient Electrochemical Sensor. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9284-9290	1.8	9
42	The evolution of structure and properties of PNIPA/clay nanocomposite hydrogels with the freezing time in polymerization. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 820-832	2.5	9
41	Azo addition to exfoliated graphene: a facile and high yield route to functionalized graphene. <i>RSC Advances</i> , <b>2013</b> , 3, 17689	3.7	9
40	Isothermal crystallization kinetics of high-flow nylon 6 by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 2930-2937	2.9	8

39	Preparation and characterization of a novel composite based on hyperbranched polysilane and fullerene. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 821-826	2.9	8
38	Ultra-low cobalt loading on N-doped carbon nanosheets by polymer pyrolysis strategy for efficient electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , <b>2020</b> , 518, 146239	6.7	7
37	Water-soluble graphene dispersion functionalized by Diels-Alder cycloaddition reaction. <i>Journal of the Iranian Chemical Society</i> , <b>2017</b> , 14, 89-93	2	7
36	Photoreversible Superhydrophobic Surfaces with Switchable Sticky-Rolling State of Water Droplets. <i>Macromolecular Materials and Engineering</i> , <b>2012</b> , 297, 979-984	3.9	7
35	Lipase-catalyzed ring-opening copolymerization of $\epsilon$ -pentadecalactone and $\epsilon$ -valerolactone by reactive extrusion. <i>Green Chemistry</i> , <b>2020</b> , 22, 662-668	10	6
34	Facile synthesis and catalytic activity of well-defined amphiphilic block copolymers based on N-vinylimidazolium. <i>Polymers for Advanced Technologies</i> , <b>2013</b> , 24, 1089-1093	3.2	6
33	Facile synthesis of dendronized polyamides with chloromethyl groups in the periphery and some properties. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 3087-3096	2.9	6
32	Recycling the Catalyst of Atom Transfer Radical Polymerization to Prepare a Cu, N Codoped Mesoporous Carbon Electrocatalyst for Oxygen Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12768-12774	8.3	6
31	Preparation of modified sodium lignosulfonate hydrogel-silver nanocomposites. <i>Polymer Composites</i> , <b>2013</b> , 34, 860-866	3	5
30	Anionic polymerization of 1,3-pentadiene in toluene: homopolymer, alternating and block copolymers. <i>RSC Advances</i> , <b>2016</b> , 6, 51533-51543	3.7	5
29	In situ preparation of uniform and ultrafine SnO <sub>2</sub> nanocrystals anchored within a mesoporous carbon network as advanced anode materials. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 378-385	6.8	5
28	Folded three-dimensional graphene with uniformly distributed mesopores for high-performance supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 33767-33771	3.7	4
27	Coumarin-surfactant modified polyoxometalate as highly efficient catalysts for the selective oxidation of benzyl alcohol with air. <i>Catalysis Communications</i> , <b>2018</b> , 114, 24-27	3.2	4
26	The preparation and characteristic of robust inorganic/organic IPN nanocomposite hydrogels with fast response rate. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 7360-7370	4.3	4
25	Synthesis and Characterization of Water-Soluble POSS Hybrid Inorganic/Organic PDMAEMA Nanocomposite Hydrogels. <i>Soft Materials</i> , <b>2015</b> , 13, 77-85	1.7	4
24	Transparent, fluorescent, and mechanical enhanced elastomeric composites formed with poly(styrene-butadiene-styrene) and SiO <sub>2</sub> -hybridized CdTe quantum dots. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 2325-2330	2.9	4
23	Flowability and Mechanical and Thermal Properties of Nylon 6/Ethylene bis-Stearamide/Carboxylic Silica Composites. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 2255-2270	1.4	4
22	Enantiomerically Pure Chiral {Cu(II) <sub>3</sub> } <sub>2</sub> -Based 2D-Layered Frameworks: From the Asymmetric Octacopper(II) Subcomponents to 3D Hierarchical Supramolecular Structures. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2673-5	5.1	3

21	pH-responsive core crosslinked polycarbonate micelles via thiol-acrylate Michael addition reaction. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	3
20	Evaporation-induced Self-assembly of Polystyrene-b-poly (acrylic acid) Nanomicelles on the Silicon Wafer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2012</b> , 49, 533-538	2.2	3
19	Preparation, characterization, and properties of crosslinked hydroxylated poly(styrene-b-butadiene-b-styrene) triblock copolymer. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 1162-1169	2.9	3
18	UV exposure effects on photoinitiator-grafted styrene-butadiene-styrene triblock copolymer. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 2627-2631	2.9	3
17	Preparation and Characteration of UV-cured EA/MMT Nanocomposites Via In-Situ Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 647-654	2.2	3
16	Crystal structure, curing kinetics, and thermal properties of bisphenol fluorene epoxy resin. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	3
15	Synthesis and characterization of dendronized aromatic polyamides with bromomethyl groups in the periphery. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 397-405	2.9	3
14	Template-free fabrication of hierarchical graphitic carbon nitride via self-assembled aggregates for enhanced photocatalytic hydrogen evolution activity under visible light. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 6350-6358	5.5	3
13	Preparation of Graphene Dispersion and Carbon Nanoscrolls. <i>Chemistry Letters</i> , <b>2012</b> , 41, 606-608	1.7	2
12	A Facile Method to Fabricate Hierarchical Particulates for Superhydrophobic Surfaces by Diisocyanate Reactions. <i>Journal of Adhesion Science and Technology</i> , <b>2011</b> , 25, 1393-1401	2	2
11	Preparation, characterization, and polymerization of novel maleimidobenzoxazine containing carboxylic moiety and its cocuring behaviors with epoxy resin. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	2
10	Comparison between two commercial uranium resins and a uranyl sulphate imprinted resin based on self-assembling MIT. <i>Frontiers of Chemical Engineering in China</i> , <b>2007</b> , 1, 327-331		2
9	Mutually Duplicated Templates and Their Versatile Applications. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600351	4.6	1
8	Preparation and characterization of epoxy/kaolinite nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	1
7	Preparation, characterization, and properties of sodium montmorillonite clay/poly(styrene-butadiene-styrene) containing quaternary ammonium cations and photoinitiator nanocomposites via ultraviolet exposure. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	1
6	Lipase-Catalyzed Reactive Extrusion: Copolymerization of $\epsilon$ -Caprolactone and $\epsilon$ -Pentadecalactone. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000417	4.8	1
5	A New Synthetic Strategy for Polymeric Bromine Precursors: One-Step Change from Bromine-Containing Polymers to Functional Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2021</b> , 222, 2000303	2.6	1
4	Rational design of self-supported WC/Co <sub>3</sub> W <sub>3</sub> N/Co@NC yolk/shell nitrogen-doped porous carbon catalyst for highly efficient overall water splitting. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 902, 163627	5.7	0

- 3 A Novel Sigma-Conjugated Hyperbranched Polysilane Polymethylphenylsilane-co-methylsilane (PMPS-co-MS). *Materials Research Society Symposia Proceedings*, **2006**, 937, 1
- 2 Versatile quantitative biopsy: an approach for cost-effective detection of hydrogen peroxide in tissue specimens. *New Journal of Chemistry*, **2021**, 45, 4311-4317 3.6
- 1 Coumarin-surfactant modified polyoxometalate catalyzed cross dehydrogenative coupling of benzyl alcohol with the para-CH of unprotected aniline. *Catalysis Science and Technology*, **2018**, 8, 5133-5136 5.5