

# Xu Weijian

## List of Publications by Year in descending order

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92  
papers

1,987  
citations

279701

23  
h-index

289141

40  
g-index

93  
all docs

93  
docs citations

93  
times ranked

3152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coatings super-repellent to ultralow surface tension liquids. <i>Nature Materials</i> , 2018, 17, 1040-1047.	13.3	289
2	3D Graphene Frameworks/Co <sub>3</sub> O <sub>4</sub> Composites Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. <i>Small</i> , 2017, 13, 1602077.	5.2	153
3	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> , 2013, 127, 4352-4358.	1.3	97
4	General Avenue to Multifunctional Aqueous Nanocrystals Stabilized by Hyperbranched Polyglycerol. <i>Chemistry of Materials</i> , 2011, 23, 1461-1470.	3.2	72
5	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> , 2019, 6, 199-208.	3.0	68
6	Durable superoleophobic fabric surfaces with counterintuitive superwettability for polar solvents. <i>AIChE Journal</i> , 2014, 60, 2752-2756.	1.8	64
7	Efficient Grafting of Hyperbranched Polyglycerol from Hydroxyl-Functionalized Multiwalled Carbon Nanotubes by Surface-Initiated Anionic Ring-Opening Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1011-1018.	1.1	57
8	Few-layer N-doped porous carbon nanosheets derived from corn stalks as a bifunctional electrocatalyst for overall water splitting. <i>Fuel</i> , 2020, 280, 118567.	3.4	50
9	High concentration and stable few-layer graphene dispersions prepared by the exfoliation of graphite in different organic solvents. <i>RSC Advances</i> , 2013, 3, 9490.	1.7	43
10	Amphibious polymer-functionalized CdTe quantum dots: Synthesis, thermo-responsive self-assembly, and photoluminescent properties. <i>Journal of Materials Chemistry</i> , 2009, 19, 5655.	6.7	38
11	Redox-responsive, core-crosslinked degradable micelles for controlled drug release. <i>Polymer Chemistry</i> , 2016, 7, 6330-6339.	1.9	37
12	A cationic azobenzene-surfactant-modified graphene hybrid: unique photoresponse and electrochemical behavior. <i>Nanoscale</i> , 2015, 7, 19673-19686.	2.8	34
13	Photo-responsive reversible micelles based on azobenzene-modified poly(carbonate)s via azide-alkyne click chemistry. <i>RSC Advances</i> , 2014, 4, 47929-47936.	1.7	33
14	Reversibly light-responsive biodegradable poly(carbonate) micelles constructed via C <sub>3</sub> AAC reaction. <i>Journal of Polymer Science Part A</i> , 2015, 53, 750-760.	2.5	30
15	Responsiveness, swelling, and mechanical properties of PNIPAA nanocomposite hydrogels reinforced by nanocellulose. <i>Journal of Materials Research</i> , 2015, 30, 1797-1807.	1.2	29
16	Quantitative Monitoring of Hypoxia-Induced Intracellular Acidification in Lung Tumor Cells and Tissues Using Activatable Surface-Enhanced Raman Scattering Nanoprobes. <i>Analytical Chemistry</i> , 2016, 88, 11852-11859.	3.2	29
17	Application of Click Chemistry in the Fabrication of Cactus-Like Hierarchical Particulates for Sticky Superhydrophobic Surfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5926-5931.	1.5	28
18	Simultaneous photoluminescence import and mechanical enhancement of polymer films using silica-hybridized quantum dots. <i>Journal of Materials Chemistry</i> , 2010, 20, 5675.	6.7	27

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19	Synthesis and characterization of polyhedral oligomeric silsesquioxane hybrid co-crosslinked poly( <i>N</i> -isopropylacrylamide-co-dimethylaminoethyl methacrylate) hydrogels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1494-1504.	2.4	27
20	Nitrogen-doped hierarchical porous carbons prepared via freeze-drying assisted carbonization for high-performance supercapacitors. <i>Applied Surface Science</i> , 2019, 496, 143643.	3.1	26
21	Synthesis and characterization of pH and temperature double-sensitive nanocomposite hydrogels consisting of poly(dimethylaminoethyl methacrylate) and clay. <i>Journal of Materials Research</i> , 2013, 28, 1394-1404.	1.2	25
22	Programmable DNA triple-helix molecular switch in biosensing applications: from in homogenous solutions to in living cells. <i>Chemical Communications</i> , 2017, 53, 2507-2510.	2.2	25
23	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> , 2020, 45, 433-442.	3.8	24
24	Preparation of Light-Responsive Polyester Micelles via Ring-Opening Polymerization of <i>O</i> -Carboxyanhydride and Azide-Alkyne Click Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 77-84.	1.1	23
25	Bimetal zeolite imidazolate framework derived Mo <sub>0.84</sub> Ni <sub>0.16</sub> -Mo <sub>2</sub> C@NC nanosphere for overall water splitting in alkaline solution. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 349-357.	5.0	23
26	Preparation of microencapsulated ammonium polyphosphate with montmorillonite-melamine formaldehyde resin and its flame retardancy in EVM. <i>Polymers for Advanced Technologies</i> , 2012, 23, 166-170.	1.6	22
27	Light and pH dual-sensitive biodegradable polymeric nanoparticles for controlled release of cargos. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1773-1783.	2.5	22
28	Cyclodextrin supramolecular inclusion-enhanced pyrene excimer switching for time-resolved fluorescence detection of biothiols in serum. <i>Biosensors and Bioelectronics</i> , 2015, 68, 253-258.	5.3	21
29	Synthesis of a novel graphene-based gold nanocomposite using PVEIM- <i>b</i> -PNIPAM as a stabilizer and its thermosensitivity for the catalytic reduction of 4-nitrophenol. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 903-913.	3.0	21
30	Fabrication of a coumarin-driven switchable superhydrophobic silica surface by photochemistry. <i>Soft Matter</i> , 2012, 8, 7357.	1.2	20
31	Photo-responsive amphiphilic poly( <i>Î±</i> -hydroxy acids) with pendent <i>o</i> -nitrobenzyl ester constructed via copper-catalyzed azide-alkyne cycloaddition reaction. <i>Polymers for Advanced Technologies</i> , 2015, 26, 449-456.	1.6	20
32	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> , 2015, 7, 2738-2746.	1.3	19
33	Curing kinetics of fluorene containing benzoxazine investigated by nonisothermal differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2481-2487.	1.3	16
34	Preparation and properties of nylon 6/carboxylic silica nanocomposites via <i>in situ</i> polymerization. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1316-1324.	1.3	16
35	Derivatization of pristine graphene for bulk heterojunction polymeric photovoltaic devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 16723.	6.7	16
36	An Anionic Heptacopper(II) Oxo-Cluster {Cu <sup>II</sup> <sub>7</sub> } with an <i>S</i> = 7/2 Ground State. <i>Inorganic Chemistry</i> , 2016, 55, 540-542.	1.9	16

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37	High-flow nylon 6 by <i>in situ</i> polymerization: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2365-2372.	1.3	15
38	Preparation of ultraviolet-cured bisphenol A epoxy diacrylate/montmorillonite nanocomposites with a bifunctional, reactive, organically modified montmorillonite as the only initiator via <i>in situ</i> polymerization. <i>Journal of Applied Polymer Science</i> , 2009, 111, 813-818.	1.3	15
39	Flame Retardancy and Mechanical Properties of Ethylene-vinyl Acetate Rubber with Expandable Graphite/Ammonium Polyphosphate/Dipentaerythritol System. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 1864-1872.	0.4	15
40	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> , 2008, 46, 2201-2211.	2.4	14
41	Silica/poly( <i>N</i> -vinylimidazolium) nanospheres by combined RAFT polymerization and thiol-ene click chemistry. <i>Polymers for Advanced Technologies</i> , 2014, 25, 684-688.	1.6	14
42	Spiropyran-decorated light-responsive amphiphilic poly( $\beta$ -hydroxy acids) micelles constructed via a CuAAC reaction. <i>RSC Advances</i> , 2014, 4, 58432-58439.	1.7	14
43	Functionalized Graphene Obtained via Thiol-Ene Click Reactions as an Efficient Electrochemical Sensor. <i>ChemistrySelect</i> , 2017, 2, 9284-9290.	0.7	14
44	Photoresponsive biodegradable poly(carbonate)s with pendent <i>o</i> -nitrobenzyl ester. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2770-2780.	2.5	14
45	Phytic acid assisted preparation of high-performance supercapacitor electrodes from noncarbonizable polyvinylpyrrolidone. <i>Journal of Power Sources</i> , 2020, 448, 227402.	4.0	14
46	Highly Controlled Organotellurium-Mediated Living Radical Polymerization (TERP) in Ionic Liquids (ILs). <i>The New Role of ILs in Radical Reactions. ACS Macro Letters</i> , 2012, 1, 146-149.	2.3	13
47	Synthesis of a novel intumescent flame retardant and its application in EVM. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1544-1551.	1.3	13
48	Synthesis of a novel aromatic-aliphatic hyperbranched polyamide and its application in piezoelectric immunosensors. <i>Polymer International</i> , 2007, 56, 1432-1439.	1.6	12
49	Preparation and characterization of strongly swellable modified-lignosulfonate hydrogel particles. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 749-756.	1.3	12
50	Transcription of G-quartet supramolecular aggregates into hierarchical mesoporous silica nanotubes. <i>Dalton Transactions</i> , 2016, 45, 7912-7920.	1.6	12
51	Lipase-catalyzed ring-opening copolymerization of $\epsilon$ -pentadecalactone and $\gamma$ -valerolactone by reactive extrusion. <i>Green Chemistry</i> , 2020, 22, 662-668.	4.6	12
52	Isothermal crystallization kinetics of high-flow nylon 6 by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2930-2937.	1.3	11
53	Preparation, characterization, and polymerization of novel maleimidobenzoxazine containing carboxylic moiety and its curing behaviors with epoxy resin. <i>Journal of Applied Polymer Science</i> , 2010, 118, 705-710.	1.3	11
54	Azo addition to exfoliated graphene: a facile and high yield route to functionalized graphene. <i>RSC Advances</i> , 2013, 3, 17689.	1.7	11

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55	The evolution of structure and properties of PNIPA/clay nanocomposite hydrogels with the freezing time in polymerization. <i>Journal of Materials Research</i> , 2014, 29, 820-832.	1.2	11
56	Facile synthesis and catalytic activity of well-defined amphiphilic block copolymers based on <i>N</i> -vinylimidazolium. <i>Polymers for Advanced Technologies</i> , 2013, 24, 1089-1093.	1.6	10
57	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> , 2020, 8, 12768-12774.	3.2	10
58	Ultra-low cobalt loading on N-doped carbon nanosheets by polymer pyrolysis strategy for efficient electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 518, 146239.	3.1	10
59	Preparation and characterization of a novel composite based on hyperbranched polysilane and fullerene. <i>Journal of Applied Polymer Science</i> , 2007, 105, 821-826.	1.3	9
60	Water-soluble graphene dispersion functionalized by Diels-Alder cycloaddition reaction. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 89-93.	1.2	9
61	Flowability and Mechanical and Thermal Properties of Nylon 6/Ethylene bis-Stearamide/Carboxylic Silica Composites. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 2255-2270.	0.4	8
62	Photoreversible Superhydrophobic Surfaces with Switchable Sticky-Rolling State of Water Droplets. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 979-984.	1.7	8
63	Anionic polymerization of 1,3-pentadiene in toluene: homopolymer, alternating and block copolymers. <i>RSC Advances</i> , 2016, 6, 51533-51543.	1.7	8
64	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> , 2022, 902, 163627.	2.8	8
65	Preparation of modified sodium lignosulfonate hydrogel-silver nanocomposites. <i>Polymer Composites</i> , 2013, 34, 860-866.	2.3	7
66	Lipase-Catalyzed Reactive Extrusion: Copolymerization of $\epsilon$ -Caprolactone and $\epsilon$ -Pentadecalactone. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000417.	2.0	7
67	Facile synthesis of dendronized polyamides with chloromethyl groups in the periphery and some properties. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3087-3096.	1.3	6
68	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> , 2018, 5, 378-385.	3.0	6
69	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> , 2020, 10, 6350-6358.	2.1	6
70	Crystal structure, curing kinetics, and thermal properties of bisphenol fluorene epoxy resin. <i>Journal of Applied Polymer Science</i> , 2010, 118, 827-833.	1.3	5
71	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> , 2011, 122, 2325-2330.	1.3	5
72	Enantiomerically Pure Chiral {Cu <sup>II</sup> } <sub>32</sub> -Based 2D-Layered Frameworks: From the Asymmetric Octacopper(II) Subcomponents to 3D Hierarchical Supramolecular Structures. <i>Inorganic Chemistry</i> , 2016, 55, 2673-2675.	1.9	5

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73	Coumarin-surfactant modified polyoxometalate as highly efficient catalysts for the selective oxidation of benzyl alcohol with air. <i>Catalysis Communications</i> , 2018, 114, 24-27.	1.6	5
74	Preparation, characterization, and properties of crosslinked hydroxylated poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) triblock copolymer. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1162-1169.	1.3	4
75	The preparation and characteristic of robust inorganic/organic IPN nanocomposite hydrogels with fast response rate. <i>Journal of Materials Science</i> , 2014, 49, 7360-7370.	1.7	4
76	Synthesis and Characterization of Water-Soluble POSS Hybrid Inorganic/Organic PDMAEMA Nanocomposite Hydrogels. <i>Soft Materials</i> , 2015, 13, 77-85.	0.8	4
77	Folded three-dimensional graphene with uniformly distributed mesopores for high-performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 33767-33771.	1.7	4
78	pH-responsive core crosslinked polycarbonate micelles via thiol-ene Michael addition reaction. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	4
79	Synthesis and characterization of dendronized aromatic polyamides with bromomethyl groups in the periphery. <i>Journal of Applied Polymer Science</i> , 2008, 109, 397-405.	1.3	3
80	Preparation and characterization of epoxy/kaolinite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2461-2466.	1.3	3
81	Preparation and Characteration of UV-cured EA/MMT Nanocomposites Via <i>In-Situ</i> Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 647-654.	1.2	3
82	UV exposure effects on photoinitiator-grafted styrene- <i>b</i> -butadiene- <i>b</i> -styrene triblock copolymer. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2627-2631.	1.3	3
83	Evaporation-induced Self-assembly of Polystyrene- <i>b</i> -poly (acrylic acid) Nanomicelles on the Silicon Wafer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 533-538.	1.2	3
84	Versatile quantitative biopsy: an approach for cost-effective detection of hydrogen peroxide in tissue specimens. <i>New Journal of Chemistry</i> , 2021, 45, 4311-4317.	1.4	3
85	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> , 2007, 1, 327-331.	0.6	2
86	Preparation, characterization, and properties of sodium montmorillonite clay/poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) containing quaternary ammonium cations and photoinitiator nanocomposites via ultraviolet exposure. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1675-1682.	1.3	2
87	A Facile Method to Fabricate Hierarchical Particulates for Superhydrophobic Surfaces by Diisocyanate Reactions. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 1393-1401.	1.4	2
88	Preparation of Graphene Dispersion and Carbon Nanoscrolls. <i>Chemistry Letters</i> , 2012, 41, 606-608.	0.7	2
89	Mutually Duplicated Templates and Their Versatile Applications. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600351.	1.9	1
90	A New Synthetic Strategy for Polymeric Bromine Precursors: One-Step Change from Bromine-Containing Polymers to Functional Polymers. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000303.	1.1	1

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91	A Novel Sigma-Conjugated Hyperbranched Polysilane Polymethylphenylsilane-co-methylsilane (PMPS-co-MS). Materials Research Society Symposia Proceedings, 2006, 937, 1.	0.1	0
92	Coumarin-surfactant modified polyoxometalate catalyzed cross dehydrogenative coupling of benzyl alcohol with the para-Câ€“H of unprotected aniline. Catalysis Science and Technology, 2018, 8, 5133-5136.	2.1	0