

# Xu Wang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96  
papers

6,224  
citations

30  
h-index

78  
g-index

110  
ext. papers

7,036  
ext. citations

9.1  
avg, IF

5.95  
L-index

#	Paper	IF	Citations
96	Therapeutic nanoparticles for drug delivery in cancer. <i>Clinical Cancer Research</i> , <b>2008</b> , 14, 1310-6	12.9	2208
95	Enhancing electrochemical reaction sites in nickel-cobalt layered double hydroxides on zinc tin oxide nanowires: a hybrid material for an asymmetric supercapacitor device. <i>Nanoscale</i> , <b>2012</b> , 4, 7266-7277	7.7	365
94	Dodecyl sulfate-induced fast faradic process in nickel cobalt oxide-reduced graphite oxide composite material and its application for asymmetric supercapacitor device. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23114		297
93	Layer-by-layer assembly for rapid fabrication of thick polymeric films. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 5998-6009	58.5	279
92	Water-enabled self-healing of polyelectrolyte multilayer coatings. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11378-81	16.4	258
91	Sulfidation of NiMn-Layered Double Hydroxides/Graphene Oxide Composites toward Supercapacitor Electrodes with Enhanced Performance. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501745	21.8	205
90	Self-Assembly-Induced Alternately Stacked Single-Layer MoS <sub>2</sub> and N-doped Graphene: A Novel van der Waals Heterostructure for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2372-9	9.5	165
89	Ultra-large optical modulation of electrochromic porous WO film and the local monitoring of redox activity. <i>Chemical Science</i> , <b>2016</b> , 7, 1373-1382	9.4	153
88	Achieving High Rate Performance in Layered Hydroxide Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301240	21.8	146
87	Inkjet-printed all solid-state electrochromic devices based on NiO/WO <sub>3</sub> nanoparticle complementary electrodes. <i>Nanoscale</i> , <b>2016</b> , 8, 348-57	7.7	127
86	A drug-specific nanocarrier design for efficient anticancer therapy. <i>Nature Communications</i> , <b>2015</b> , 6, 7449	7.4	112
85	Stretchable elastic synaptic transistors for neurologically integrated soft engineering systems. <i>Science Advances</i> , <b>2019</b> , 5, eaax4961	14.3	107
84	Optically Transparent Antibacterial Films Capable of Healing Multiple Scratches. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 403-411	15.6	107
83	Telodendrimer nanocarrier for co-delivery of paclitaxel and cisplatin: A synergistic combination nanotherapy for ovarian cancer treatment. <i>Biomaterials</i> , <b>2015</b> , 37, 456-468	15.6	106
82	Stretchable Silver-Zinc Batteries Based on Embedded Nanowire Elastic Conductors. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301396	21.8	103
81	Manganese oxide micro-supercapacitors with ultra-high areal capacitance. <i>Nanoscale</i> , <b>2013</b> , 5, 4119-22	7.7	95
80	Layer-by-Layer Assembly of a Self-Healing Anticorrosion Coating on Magnesium Alloys. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 27271-8	9.5	94

79	Ultra-conformal drawn-on-skin electronics for multifunctional motion artifact-free sensing and point-of-care treatment. <i>Nature Communications</i> , <b>2020</b> , 11, 3823	17.4	94
78	Moisture-triggered physically transient electronics. <i>Science Advances</i> , <b>2017</b> , 3, e1701222	14.3	88
77	Cryogel Synthesis of Hierarchical Interconnected Macro-/Mesoporous Co <sub>3</sub> O <sub>4</sub> with Superb Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 4930-4935	3.8	79
76	Layer-by-layer assembled microgel films with high loading capacity: reversible loading and release of dyes and nanoparticles. <i>Langmuir</i> , <b>2008</b> , 24, 1902-9	4	62
75	Interfering with long non-coding RNA MIR22HG processing inhibits glioblastoma progression through suppression of Wnt/ $\beta$ catenin signalling. <i>Brain</i> , <b>2020</b> , 143, 512-530	11.2	51
74	Enhanced Electrochromism with Rapid Growth Layer-by-Layer Assembly of Polyelectrolyte Complexes. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 401-408	15.6	46
73	Rational design of a high performance all solid state flexible micro-supercapacitor on paper. <i>RSC Advances</i> , <b>2013</b> , 3, 15827	3.7	40
72	Gambogic acid as a non-competitive inhibitor of ATP-binding cassette transporter B1 reverses the multidrug resistance of human epithelial cancers by promoting ATP-binding cassette transporter B1 protein degradation. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2013</b> , 112, 25-33	3.1	39
71	Fine-tuning vitamin E-containing telodendrimers for efficient delivery of gambogic acid in colon cancer treatment. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1216-29	5.6	38
70	Aniline Tetramer-Graphene Oxide Composites for High Performance Supercapacitors. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400781	21.8	38
69	Layer-by-layer assembled polyampholyte microgel films for simultaneous release of anionic and cationic molecules. <i>Langmuir</i> , <b>2010</b> , 26, 8187-94	4	38
68	Multifunctional Telodendrimer Nanocarriers Restore Synergy of Bortezomib and Doxorubicin in Ovarian Cancer Treatment. <i>Cancer Research</i> , <b>2017</b> , 77, 3293-3305	10.1	33
67	Titanium doped niobium oxide for stable pseudocapacitive lithium ion storage and its application in 3 V non-aqueous supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21706-21712	13	33
66	Water-Enabled Self-Healing of Polyelectrolyte Multilayer Coatings. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11580-11583	9.6	33
65	Zwitterionic Janus Dendrimer with distinct functional disparity for enhanced protein delivery. <i>Biomaterials</i> , <b>2019</b> , 215, 119233	15.6	28
64	Facile surface functionalization of upconversion nanoparticles with phosphoryl pillar[5]arenes for controlled cargo release and cell imaging. <i>Chemical Communications</i> , <b>2018</b> , 54, 12990-12993	5.8	28
63	Riboflavin-containing telodendrimer nanocarriers for efficient doxorubicin delivery: High loading capacity, increased stability, and improved anticancer efficacy. <i>Biomaterials</i> , <b>2017</b> , 141, 161-175	15.6	25
62	One-Dimensional Porous Silicon Nanowires with Large Surface Area for Fast Charge/Discharge Lithium-Ion Batteries. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	24

61	Air/water interfacial assembled rubbery semiconducting nanofilm for fully rubbery integrated electronics. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	24
60	Synthesis of pyramidal and prismatic hexagonal MoO <sub>3</sub> nanorods using thiourea. <i>CrystEngComm</i> , <b>2013</b> , 15, 7663	3.3	23
59	Combinatorial approaches in post-polymerization modification for rational development of therapeutic delivery systems. <i>Acta Biomaterialia</i> , <b>2018</b> , 73, 21-37	10.8	22
58	Monosulfonicpillar[5]arene: Synthesis, Characterization, and Complexation with Tetraphenylethene for Aggregation-Induced Emission. <i>Scientific Reports</i> , <b>2018</b> , 8, 4035	4.9	21
57	Control of Self-Assembled Structure through Architecturally and Compositionally Complex Block Copolymer Surfactant Mixtures. <i>Macromolecules</i> , <b>2014</b> , 47, 7138-7150	5.5	21
56	Affinity-controlled protein encapsulation into sub-30nm telodendrimer nanocarriers by multivalent and synergistic interactions. <i>Biomaterials</i> , <b>2016</b> , 101, 258-71	15.6	20
55	Investigation of Charge Transfer Kinetics at Carbon/Hydroquinone Interfaces for Redox-Active-Electrolyte Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33728-33734	9.5	19
54	Bioinspired Self-Healing of Kinetically Inert Hydrogels Mediated by Chemical Nutrient Supply. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6471-6478	9.5	18
53	Therapeutic implications of altered cholesterol homeostasis mediated by loss of CYP46A1 in human glioblastoma. <i>EMBO Molecular Medicine</i> , <b>2020</b> , 12, e10924	12	18
52	TIGAR promotes neural stem cell differentiation through acetyl-CoA-mediated histone acetylation. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 198	9.8	18
51	Enzyme-Regulated Healable Polymeric Hydrogels. <i>ACS Central Science</i> , <b>2020</b> , 6, 1507-1522	16.8	17
50	Graphene: Highly Stretchable Piezoresistive Graphene/Nanocellulose Nanopaper for Strain Sensors (Adv. Mater. 13/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 1950-1950	24	15
49	Tunable Lipidoid-Telodendrimer Hybrid Nanoparticles for Intracellular Protein Delivery in Brain Tumor Treatment. <i>Small</i> , <b>2016</b> , 12, 4185-92	11	15
48	Contribution of BDNF/TrkB signalling in the rACC to the development of pain-related aversion via activation of ERK in rats with spared nerve injury. <i>Brain Research</i> , <b>2017</b> , 1671, 111-120	3.7	14
47	Structure-Based Nanocarrier Design for Protein Delivery. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 267-271	6.6	13
46	Pollution characteristics and potential ecological risk assessment of metals in the sediments of Xiaoqing River, Jinan. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 15001-15011	5.1	13
45	Transient Healability of Metallosupramolecular Polymer Networks Mediated by Kinetic Control of Competing Chemical Reactions. <i>Macromolecules</i> , <b>2020</b> , 53, 2856-2863	5.5	13
44	Polymers with a Coiled Conformation Enable Healing of Wide and Deep Damages in Polymeric Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 30716-30722	9.5	12

43	A polydopamine coated polyaniline single wall carbon nanotube composite material as a stable supercapacitor cathode in an organic electrolyte. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 3575-3583	2.5	11
42	Source analysis and risk assessment of heavy metals in development zones: a case study in Rizhao, China. <i>Environmental Geochemistry and Health</i> , <b>2020</b> , 42, 135-146	4.7	11
41	A Binary Supramolecular Assembly with Intense Fluorescence Emission, High pH Stability, and Cation Selectivity: Supramolecular Assembly-Induced Emission Materials. <i>Research</i> , <b>2019</b> , 2019, 1454562	7.8	10
40	Interplay of Nanoscale, Hybrid P3HT/ZTO Interface on Optoelectronics and Photovoltaic Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33212-33219	9.5	9
39	Layer-by-layer deposition of magnetic microgel films on plastic surfaces for the preparation of magnetic resonance visibility enhancing coatings. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 555-560		9
38	Enzymatically mediated, physiologically triggered N-palmitoyl chitosan hydrogels with temporally modulated high injectability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 582, 123940	5.1	8
37	Graphene oxide suppresses the growth and malignancy of glioblastoma stem cell-like spheroids via epigenetic mechanisms. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 200	8.5	8
36	Versatile Synthesis of Amine-Reactive Microgels by Self-Assembly of Azlactone-Containing Block Copolymers. <i>Macromolecules</i> , <b>2018</b> , 51, 3691-3701	5.5	8
35	Polycation-telodendrimer nanocomplexes for intracellular protein delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 162, 405-414	6	8
34	Self-accelerating photocharge separation in BiOBr ultrathin nanosheets for boosting photoreversible color switching. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131235	14.7	8
33	Influences of anterior capsule polishing on effective lens position after cataract surgery: a randomized controlled trial. <i>International Journal of Clinical and Experimental Medicine</i> , <b>2015</b> , 8, 13769-75		7
32	Electrospun poly(vinyl alcohol) nanofiber films containing menthol/ $\beta$ -cyclodextrin inclusion complexes for smoke filtration and flavor retention. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 605, 125378	5.1	7
31	Solution Properties of Architecturally Complex Multiarm Star Diblock Copolymers in a Nonselective and Selective Solvent for the Inner Block. <i>Macromolecules</i> , <b>2016</b> , 49, 2288-2297	5.5	6
30	The ecological risk assessment and suggestions on heavy metals in river sediments of Jinan. <i>Water Science and Technology</i> , <b>2017</b> , 76, 2177-2187	2.2	5
29	Flexible low-voltage paper transistors harnessing ion gel/cellulose fiber composites. <i>Journal of Materials Research</i> , <b>2020</b> , 35, 940-948	2.5	5
28	Mcl-1 small-molecule inhibitors encapsulated into nanoparticles exhibit increased killing efficacy towards HCMV-infected monocytes. <i>Antiviral Research</i> , <b>2017</b> , 138, 40-46	10.8	4
27	Impact of chain microstructure on solution and thin film self-assembly of PCHD-based semi-flexible/flexible diblock copolymers. <i>Soft Matter</i> , <b>2015</b> , 11, 6509-19	3.6	4
26	On-Demand Regulation of Photoreversible Color Switching for Rewritable Paper and Transient Information Encryption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 44797-44805	9.5	4

25	Oxygen-Ions-Mediated Pseudocapacitive Charge Storage in Molybdenum Trioxide Nanobelts. <i>ChemNanoMat</i> , <b>2015</b> , 1, 403-408	3.5	3
24	Comparative genomics analysis of c-di-GMP metabolism and regulation in <i>Microcystis aeruginosa</i> . <i>BMC Genomics</i> , <b>2020</b> , 21, 217	4.5	2
23	Repairing Creep-Resistant and Kinetically Inert Hydrogels via Yeast Activity-Regulated Energy Dissipation.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 4507-4513	4.1	2
22	Hot Melt Super Glue: Multi-Recyclable Polyphenol-Based Supramolecular Adhesives.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2100830	4.8	2
21	Tailoring Azlactone-Based Block Copolymers for Stimuli-Responsive Disassembly of Nanocarriers. <i>Langmuir</i> , <b>2020</b> , 36, 10200-10209	4	2
20	Epidemic character and environmental factors in epidemic areas of severe fever with thrombocytopenia syndrome in Shandong Province. <i>Ticks and Tick-borne Diseases</i> , <b>2021</b> , 12, 101593	3.6	2
19	Amoeba-inspired reengineering of polymer networks. <i>Green Chemistry</i> , <b>2021</b> , 23, 2496-2506	10	2
18	Identification of native charge-transfer status of p-aminothiophenol adsorbed on noble metallic substrates by surface-enhanced infrared absorption (SEIRA) spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 204, 532-536	4.4	2
17	Study of charge transfer effect in Surface-Enhanced Raman scattering (SERS) by using Antimony-doped tin oxide (ATO) nanoparticles as substrates with tunable optical band gaps and free charge carrier densities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 264, 120288	4.4	2
16	Radical nephrectomy combined with removal of tumor thrombus from inferior vena cava under real-time monitoring with transesophageal echocardiography: A case report. <i>Medicine (United States)</i> , <b>2020</b> , 99, e19392	1.8	1
15	Composites: Oxidative Intercalation for Monometallic Ni <sup>2+</sup> -Ni <sup>3+</sup> Layered Double Hydroxide and Enhanced Capacitance in Exfoliated Nanosheets (Small 17/2015). <i>Small</i> , <b>2015</b> , 11, 1986-1986	11	1
14	BIOINSPIRED SELF-HEALING COATINGS. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , <b>2014</b> , 391-417	0.1	1
13	Systems Chemistry in Self-Healing Materials. <i>ChemSystemsChem</i> , <b>2021</b> , 3, e2100016	3.1	1
12	Estimating the Prevalence of Asymptomatic COVID-19 Cases and Their Contribution in Transmission - Using Henan Province, China, as an Example. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 591372	4.9	1
11	Surface-Enhanced Raman Scattering (SERS) on Indium-Doped CdO (ICO) Substrates: A New Charge-Transfer Enhancement Contribution from Electrons in Conduction Bands. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 17125-17132	3.8	1
10	Sunlight-Responsive TitaniaHydrated Tungsten Oxide Heteronanoparticles/Paper-Based Color-Switching Film for Solar Ultraviolet Radiation Monitors. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 4009-4017	5.6	1
9	Insertion of Supramolecular Segments into Covalently Crosslinked Polyurethane Networks towards the Fabrication of Recyclable Elastomers. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2022</b> , 40, 321-330	3.5	0
8	Observation of tunable surface plasmon resonances and surface enhanced infrared absorption (SEIRA) based on indium tin oxide (ITO) nanoparticle substrates.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 271, 120914	4.4	0

7	Design and Verification of a Modular Reconfigurable Test Platform for Electric Tractors. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1881	2.6	o
6	Mussel-inspired layer-by-layer assembled polymeric films with fast growing and NIR light triggered healing capabilities. <i>European Polymer Journal</i> , <b>2021</b> , 158, 110689	5.2	o
5	Architecture- and Composition-Controlled Self-Assembly of Block Copolymers and Binary Mixtures With Crosslinkable Components: Chain Exchange Between Block Copolymer Nanoparticles.. <i>Frontiers in Chemistry</i> , <b>2022</b> , 10, 833307	5	o
4	Transient Chemical Activation of Covalent Bonds for Healing of Kinetically Stable and Multifunctional Organohydrogels. <i>CCS Chemistry</i> , 1-14	7.2	o
3	Electrochromic Films: Enhanced Electrochromism with Rapid Growth Layer-by-Layer Assembly of Polyelectrolyte Complexes (Adv. Funct. Mater. 3/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 400-400 <sup>15.6</sup>		
2	Nanowire Photodetectors: An Intrinsically Stretchable Nanowire Photodetector with a Fully Embedded Structure (Adv. Mater. 6/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 979-979	24	
1	The impact of pollutant as selection pressure on conjugative transfer of dioxin-catabolic plasmids harbored by <i>Rhodococcus</i> sp. strain p52. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	