Xu Wang

List of Publications by Year
in descending order

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106 papers	7,900 citations	94381 37 h-index	48277 88 g-index
110 all docs	110 docs citations	110 times ranked	13585 citing authors

#	Article	IF	Citations
1	Therapeutic Nanoparticles for Drug Delivery in Cancer. Clinical Cancer Research, 2008, 14, 1310-1316.	3.2	2,565
2	Enhancing electrochemical reaction sites in nickelâ€“cobalt layered double hydroxides on zinc tin oxide nanowires: a hybrid material for an asymmetric supercapacitor device. Nanoscale, 2012, 4, 7266.	2.8	409
3	Dodecyl sulfate-induced fast faradic process in nickel cobalt oxideâ€“reduced graphite oxide composite material and its application for asymmetric supercapacitor device. Journal of Materials Chemistry, 2012, 22, 23114.	6.7	338
4	Layer-by-layer assembly for rapid fabrication of thick polymeric films. Chemical Society Reviews, 2012, 41, 5998.	18.7	323
5	Waterâ€Enabled Selfâ€Healing of Polyelectrolyte Multilayer Coatings. Angewandte Chemie - International Edition, 2011, 50, 11378-11381.	7.2	288
6	Sulfidation of NiMnâ€Layered Double Hydroxides/Graphene Oxide Composites toward Supercapacitor Electrodes with Enhanced Performance. Advanced Energy Materials, 2016, 6, 1501745.	10.2	254
7	Self-Assembly-Induced Alternately Stacked Single-Layer MoS₂ and N-doped Graphene: A Novel van der Waals Heterostructure for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 2372-2379.	4.0	202
8	Ultra-large optical modulation of electrochromic porous WO₃film and the local monitoring of redox activity. Chemical Science, 2016, 7, 1373-1382.	3.7	198
9	Ultra-conformal drawn-on-skin electronics for multifunctional motion artifact-free sensing and point-of-care treatment. Nature Communications, 2020, 11, 3823.	5.8	196
10	Stretchable elastic synaptic transistors for neurologically integrated soft engineering systems. Science Advances, 2019, 5, eaax4961.	4.7	191
11	Achieving High Rate Performance in Layered Hydroxide Supercapacitor Electrodes. Advanced Energy Materials, 2014, 4, 1301240.	10.2	166
12	Inkjet-printed all solid-state electrochromic devices based on NiO/WO₃ nanoparticle complementary electrodes. Nanoscale, 2016, 8, 348-357.	2.8	157
13	A drug-specific nanocarrier design for efficient anticancer therapy. Nature Communications, 2015, 6, 7449.	5.8	131
14	Stretchable Silverâ€Zinc Batteries Based on Embedded Nanowire Elastic Conductors. Advanced Energy Materials, 2014, 4, 1301396.	10.2	127
15	Telodendrimer nanocarrier for co-delivery of paclitaxel and cisplatin: A synergistic combination nanotherapy for ovarian cancer treatment. Biomaterials, 2015, 37, 456-468.	5.7	125
16	Layer-by-Layer Assembly of a Self-Healing Anticorrosion Coating on Magnesium Alloys. ACS Applied Materials & Interfaces, 2015, 7, 27271-27278.	4.0	124
17	Optically Transparent Antibacterial Films Capable of Healing Multiple Scratches. Advanced Functional Materials, 2014, 24, 403-411.	7.8	123
18	Moisture-triggered physically transient electronics. Science Advances, 2017, 3, e1701222.	4.7	122

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19	Manganese oxide micro-supercapacitors with ultra-high areal capacitance. Nanoscale, 2013, 5, 4119.	2.8	103
20	Interfering with long non-coding RNA MIR22HG processing inhibits glioblastoma progression through suppression of Wnt/Î²-catenin signalling. Brain, 2020, 143, 512-530.	3.7	96
21	Cryogel Synthesis of Hierarchical Interconnected Macro-/Mesoporous Co₃O₄ with Superb Electrochemical Energy Storage. Journal of Physical Chemistry C, 2012, 116, 4930-4935.	1.5	90
22	Layer-by-Layer Assembled Microgel Films with High Loading Capacity:â€‰ Reversible Loading and Release of Dyes and Nanoparticles. Langmuir, 2008, 24, 1902-1909.	1.6	64
23	Enhanced Electrochromism with Rapid Growth Layerâ€byâ€Layer Assembly of Polyelectrolyte Complexes. Advanced Functional Materials, 2015, 25, 401-408.	7.8	54
24	Air/water interfacial assembled rubbery semiconducting nanofilm for fully rubbery integrated electronics. Science Advances, 2020, 6, .	4.7	54
25	Therapeutic implications of altered cholesterol homeostasis mediated by loss of CYP46A1 in human glioblastoma. EMBO Molecular Medicine, 2020, 12, e10924.	3.3	49
26	Enzyme-Regulated Healable Polymeric Hydrogels. ACS Central Science, 2020, 6, 1507-1522.	5.3	48
27	TIGAR promotes neural stem cell differentiation through acetyl-CoA-mediated histone acetylation. Cell Death and Disease, 2019, 10, 198.	2.7	46
28	Rational design of a high performance all solid state flexible micro-supercapacitor on paper. RSC Advances, 2013, 3, 15827.	1.7	45
29	Aniline Tetramerâ€Graphene Oxide Composites for High Performance Supercapacitors. Advanced Energy Materials, 2014, 4, 1400781.	10.2	44
30	Fine-Tuning Vitamin E-Containing Telodendrimers for Efficient Delivery of Gambogic Acid in Colon Cancer Treatment. Molecular Pharmaceutics, 2015, 12, 1216-1229.	2.3	42
31	One-Dimensional Porous Silicon Nanowires with Large Surface Area for Fast Chargeâ€“Discharge Lithium-Ion Batteries. Nanomaterials, 2018, 8, 285.	1.9	42
32	Bioinspired Self-Healing of Kinetically Inert Hydrogels Mediated by Chemical Nutrient Supply. ACS Applied Materials & Interfaces, 2020, 12, 6471-6478.	4.0	42
33	Gambogic Acid as a Nonâ€Competitive Inhibitor of ATPâ€Binding Cassette Transporter B1 Reverses the Multidrug Resistance of Human Epithelial Cancers by Promoting ATPâ€Binding Cassette Transporter B1 Protein Degradation. Basic and Clinical Pharmacology and Toxicology, 2013, 112, 25-33.	1.2	41
34	Titanium doped niobium oxide for stable pseudocapacitive lithium ion storage and its application in 3 V non-aqueous supercapacitors. Journal of Materials Chemistry A, 2015, 3, 21706-21712.	5.2	41
35	Multifunctional Telodendrimer Nanocarriers Restore Synergy of Bortezomib and Doxorubicin in Ovarian Cancer Treatment. Cancer Research, 2017, 77, 3293-3305.	0.4	40
36	Zwitterionic Janus Dendrimer with distinct functional disparity for enhanced protein delivery. Biomaterials, 2019, 215, 119233.	5.7	40

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37	Layer-by-Layer Assembled Polyampholyte Microgel Films for Simultaneous Release of Anionic and Cationic Molecules. Langmuir, 2010, 26, 8187-8194.	1.6	38
38	Facile surface functionalization of upconversion nanoparticles with phosphoryl pillar[5]arenes for controlled cargo release and cell imaging. Chemical Communications, 2018, 54, 12990-12993.	2.2	35
39	Riboflavin-containing telodendrimer nanocarriers for efficient doxorubicin delivery: High loading capacity, increased stability, and improved anticancer efficacy. Biomaterials, 2017, 141, 161-175.	5.7	34
40	Affinity-controlled protein encapsulation into sub-30Ânm telodendrimer nanocarriers by multivalent and synergistic interactions. Biomaterials, 2016, 101, 258-271.	5.7	32
41	Combinatorial approaches in post-polymerization modification for rational development of therapeutic delivery systems. Acta Biomaterialia, 2018, 73, 21-37.	4.1	31
42	Transient Healability of Metallosupramolecular Polymer Networks Mediated by Kinetic Control of Competing Chemical Reactions. Macromolecules, 2020, 53, 2856-2863.	2.2	30
43	Synthesis of pyramidal and prismatic hexagonal MoO3 nanorods using thiourea. CrystEngComm, 2013, 15, 7663.	1.3	29
44	Self-accelerating photocharge separation in BiOBr ultrathin nanosheets for boosting photoreversible color switching. Chemical Engineering Journal, 2022, 428, 131235.	6.6	29
45	Source analysis and risk assessment of heavy metals in development zones: a case study in Rizhao, China. Environmental Geochemistry and Health, 2020, 42, 135-146.	1.8	27
46	Investigation of Charge Transfer Kinetics at Carbon/Hydroquinone Interfaces for Redox-Active-Electrolyte Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 33728-33734.	4.0	25
47	Monosulfonicpillar[5]arene: Synthesis, Characterization, and Complexation with Tetraphenylethene for Aggregation-Induced Emission. Scientific Reports, 2018, 8, 4035.	1.6	25
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. Brain Research, 2017, 1671, 111-120.	1.1	23
49	Control of Self-Assembled Structure through Architecturally and Compositionally Complex Block Copolymer Surfactant Mixtures. Macromolecules, 2014, 47, 7138-7150.	2.2	22
50	Pollution characteristics and potential ecological risk assessment of metals in the sediments of Xiaoqing River, Jinan. Environmental Science and Pollution Research, 2017, 24, 15001-15011.	2.7	20
51	Electrospun poly(vinyl alcohol) nanofiber films containing menthol/Î²-cyclodextrin inclusion complexes for smoke filtration and flavor retention. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 605, 125378.	2.3	19
52	Hot Melt Super Glue: Multiâ€Recyclable Polyphenolâ€Based Supramolecular Adhesives. Macromolecular Rapid Communications, 2022, 43, e2100830.	2.0	19
53	Graphene: Highly Stretchable Piezoresistive Graphene-Nanocellulose Nanopaper for Strain Sensors (Adv. Mater. 13/2014). Advanced Materials, 2014, 26, 1950-1950.	11.1	17
54	Tunable Lipidoidâ€Telodendrimer Hybrid Nanoparticles for Intracellular Protein Delivery in Brain Tumor Treatment. Small, 2016, 12, 4185-4192.	5.2	17

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55	Graphene oxide suppresses the growth and malignancy of glioblastoma stem cell-like spheroids via epigenetic mechanisms. Journal of Translational Medicine, 2020, 18, 200.	1.8	17
56	Structure-Based Nanocarrier Design for Protein Delivery. ACS Macro Letters, 2017, 6, 267-271.	2.3	16
57	A polydopamine coated polyaniline single wall carbon nanotube composite material as a stable supercapacitor cathode in an organic electrolyte. Journal of Materials Research, 2015, 30, 3575-3583.	1.2	15
58	Polymers with a Coiled Conformation Enable Healing of Wide and Deep Damages in Polymeric Films. ACS Applied Materials & Interfaces, 2018, 10, 30716-30722.	4.0	15
59	On-Demand Regulation of Photoreversible Color Switching for Rewritable Paper and Transient Information Encryption. ACS Applied Materials & Interfaces, 2021, 13, 44797-44805.	4.0	15
60	A Binary Supramolecular Assembly with Intense Fluorescence Emission, High pH Stability, and Cation Selectivity: Supramolecular Assembly-Induced Emission Materials. Research, 2019, 2019, 1454562.	2.8	15
61	Nonequilibrium regulation of interfacial chemistry for transient macroscopic supramolecular assembly. Journal of Colloid and Interface Science, 2022, 623, 674-684.	5.0	13
62	Versatile Synthesis of Amine-Reactive Microgels by Self-Assembly of Azlactone-Containing Block Copolymers. Macromolecules, 2018, 51, 3691-3701.	2.2	12
63	Polycation-telodendrimer nanocomplexes for intracellular protein delivery. Colloids and Surfaces B: Biointerfaces, 2018, 162, 405-414.	2.5	12
64	Self-powered quasi-solid-state electrochromic devices for optical information encryption. Journal of Materials Chemistry C, 0, , .	2.7	12
65	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120288.	2.0	11
66	Insertion of Supramolecular Segments into Covalently Crosslinked Polyurethane Networks towards the Fabrication of Recyclable Elastomers. Chinese Journal of Polymer Science (English Edition), 2022, 40, 321-330.	2.0	11
67	Hostâ€Fueled Transient Supramolecular Hydrogels. ChemSystemsChem, 2022, 4, .	1.1	11
68	The ecological risk assessment and suggestions on heavy metals in river sediments of Jinan. Water Science and Technology, 2017, 76, 2177-2187.	1.2	10
69	Interplay of Nanoscale, Hybrid P3HT/ZTO Interface on Optoelectronics and Photovoltaic Cells. ACS Applied Materials & Interfaces, 2017, 9, 33212-33219.	4.0	10
70	Enzymatically mediated, physiologically triggered N-palmitoyl chitosan hydrogels with temporally modulated high injectability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123940.	2.3	10
71	Flexible low-voltage paper transistors harnessing ion gel/cellulose fiber composites. Journal of Materials Research, 2020, 35, 940-948.	1.2	10
72	Estimating the Prevalence of Asymptomatic COVID-19 Cases and Their Contribution in Transmission - Using Henan Province, China, as an Example. Frontiers in Medicine, 2021, 8, 591372.	1.2	10

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73	Transient Chemical Activation of Covalent Bonds for Healing of Kinetically Stable and Multifunctional Organohydrogels. CCS Chemistry, 2023, 5, 510-523.	4.6	10
74	The BDNF-TrkB signaling pathway in the rostral anterior cingulate cortex is involved in the development of pain aversion in rats with bone cancer via NR2B and ERK-CREB signaling. Brain Research Bulletin, 2022, 185, 18-27.	1.4	10
75	Layer-by-layer deposition of magnetic microgel films on plastic surfaces for the preparation of magnetic resonance visibility enhancing coatings. Journal of Materials Chemistry, 2010, 20, 555-560.	6.7	9
76	Solution Properties of Architecturally Complex Multiarm Star Diblock Copolymers in a Nonselective and Selective Solvent for the Inner Block. Macromolecules, 2016, 49, 2288-2297.	2.2	9
77	Amoeba-inspired reengineering of polymer networks. Green Chemistry, 2021, 23, 2496-2506.	4.6	9
78	Dual pH-/Photo-Responsive Color Switching Systems for Dynamic Rewritable Paper. ACS Applied Materials & Interfaces, 2022, 14, 5825-5833.	4.0	9
79	Observation of tunable surface plasmon resonances and surface enhanced infrared absorption (SEIRA) based on indium tin oxide (ITO) nanoparticle substrates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 271, 120914.	2.0	9
80	Self-reporting of damage in underwater hierarchical ionic skinsviacascade reaction-regulated chemiluminescence. Materials Horizons, 2022, 9, 2128-2137.	6.4	9
81	Repairing Creep-Resistant and Kinetically Inert Hydrogels via Yeast Activity-Regulated Energy Dissipation. ACS Applied Bio Materials, 2020, 3, 4507-4513.	2.3	8
82	Influences of anterior capsule polishing on effective lens position after cataract surgery: a randomized controlled trial. International Journal of Clinical and Experimental Medicine, 2015, 8, 13769-75.	1.3	7
83	Epidemic character and environmental factors in epidemic areas of severe fever with thrombocytopenia syndrome in Shandong Province. Ticks and Tick-borne Diseases, 2021, 12, 101593.	1.1	6
84	Systems Chemistry in Selfâ€Healing Materials. ChemSystemsChem, 2021, 3, e2100016.	1.1	6
85	Sunlight-Responsive Titaniaâ€“Hydrated Tungsten Oxide Heteronanoparticles/Paper-Based Color-Switching Film for Solar Ultraviolet Radiation Monitors. ACS Applied Nano Materials, 2022, 5, 4009-4017.	2.4	6
86	Impact of chain microstructure on solution and thin film self-assembly of PCHD-based semi-flexible/flexible diblock copolymers. Soft Matter, 2015, 11, 6509-6519.	1.2	5
87	Tailoring Azlactone-Based Block Copolymers for Stimuli-Responsive Disassembly of Nanocarriers. Langmuir, 2020, 36, 10200-10209.	1.6	5
88	Oxygenâ€Ionsâ€Mediated Pseudocapacitive Charge Storage in Molybdenum Trioxide Nanobelts. ChemNanoMat, 2015, 1, 403-408.	1.5	4
89	Mcl-1 small-molecule inhibitors encapsulated into nanoparticles exhibit increased killing efficacy towards HCMV-infected monocytes. Antiviral Research, 2017, 138, 40-46.	1.9	4
90	Comparative genomics analysis of c-di-GMP metabolism and regulation in Microcystis aeruginosa. BMC Genomics, 2020, 21, 217.	1.2	4

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91	Feedback-controlled topological reconfiguration of molecular assemblies for programming supramolecular structures. Soft Matter, 2022, 18, 3856-3866.	1.2	4
92	Identification of native charge-transfer status of p-aminothiolphenol adsorbed on noble metallic substrates by surface-enhanced infrared absorption (SEIRA) spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 532-536.	2.0	3
93	BIOINSPIRED SELF-HEALING COATINGS. World Scientific Series in Nanoscience and Nanotechnology, 2014, , 391-417.	0.1	2
94	Surface-Enhanced Raman Scattering (SERS) on Indium-Doped CdO (ICO) Substrates: A New Charge-Transfer Enhancement Contribution from Electrons in Conduction Bands. Journal of Physical Chemistry C, 2021, 125, 17125-17132.	1.5	2
95	Mussel-inspired layer-by-layer assembled polymeric films with fast growing and NIR light triggered healing capabilities. European Polymer Journal, 2021, 158, 110689.	2.6	2
96	Composites: Oxidative Intercalation for Monometallic Ni2+ -Ni3+ Layered Double Hydroxide and Enhanced Capacitance in Exfoliated Nanosheets (Small 17/2015). Small, 2015, 11, 1986-1986.	5.2	1
97	Electrochemical-mechanically triggered transient electronics. , 2017, , .		1
98	Radical nephrectomy combined with removal of tumor thrombus from inferior vena cava under real-time monitoring with transesophageal echocardiography. Medicine (United States), 2020, 99, e19392.	0.4	1
99	Design and Verification of a Modular Reconfigurable Test Platform for Electric Tractors. Applied Sciences (Switzerland), 2021, 11, 1881.	1.3	1
100	The impact of pollutant as selection pressure on conjugative transfer of dioxin-catabolic plasmids harbored by Rhodococcus sp. strain p52. Environmental Science and Pollution Research, 2022, 29, 1470-1481.	2.7	1
101	Architecture- and Composition-Controlled Self-Assembly of Block Copolymers and Binary Mixtures With Crosslinkable Components: Chain Exchange Between Block Copolymer Nanoparticles. Frontiers in Chemistry, 2022, 10, 833307.	1.8	1
102	Erasable polymer hydrogel wells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129431.	2.3	1
103	Supercapacitors: Achieving High Rate Performance in Layered Hydroxide Supercapacitor Electrodes (Adv. Energy Mater. 6/2014). Advanced Energy Materials, 2014, 4, n/a-n/a.	10.2	0
104	Nanowire Photodetectors: An Intrinsically Stretchable Nanowire Photodetector with a Fully Embedded Structure (Adv. Mater. 6/2014). Advanced Materials, 2014, 26, 979-979.	11.1	0
105	Electrochromic Films: Enhanced Electrochromism with Rapid Growth Layer-by-Layer Assembly of Polyelectrolyte Complexes (Adv. Funct. Mater. 3/2015). Advanced Functional Materials, 2015, 25, 400-400.	7.8	0
106	Study on Parking Space Index of Typical Buildings in Weihai. , 2020, , .		0