

# Xijian Liu

## List of Publications by Year in descending order

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79  
papers

3,687  
citations

126708

33  
h-index

133063

59  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetraethylenepentamine modified magnetic cellulose nanocrystal composites for removal of Congo red with high adsorption capacity. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 1858-1871.	1.3	7
2	Lattice Boltzmann phase field simulations of droplet slicing. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, .	0.9	1
3	Novel theranostic nanoagent based on CuMo <sub>2</sub> S <sub>3</sub> -PEG-Gd for MRI-guided photothermal/photodynamic/chemodynamic therapy. <i>Rare Metals</i> , 2022, 41, 45-55.	3.6	21
4	A biodegradable "Nano-donut" for magnetic resonance imaging and enhanced chemo/photothermal/chemodynamic therapy through responsive catalysis in tumor microenvironment. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 344-354.	5.0	51
5	Tumor microenvironment responsive self-cascade catalysis for synergistic chemo/chemodynamic therapy by multifunctional biomimetic nanozymes. <i>Journal of Materials Chemistry B</i> , 2022, 10, 637-645.	2.9	18
6	Mutual promotion of oxidative stress amplification and calcium overload by degradable spatially selective self-cascade catalyst for synergistic tumor therapy. <i>Chemical Engineering Journal</i> , 2022, 432, 134438.	6.6	23
7	Recent advances in flexible and wearable sensors for monitoring chemical molecules. <i>Nanoscale</i> , 2022, 14, 1653-1669.	2.8	48
8	Preparation and adsorbability of magnetic composites based on cellulose nanofiber/graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128373.	2.3	14
9	Intracellular Mutual Amplification of Oxidative Stress and Inhibition Multidrug Resistance for Enhanced Sonodynamic/Chemodynamic/Chemo Therapy. <i>Small</i> , 2022, 18, e2107160.	5.2	57
10	Effect of Additives on Preferential Crystallization for the Chiral Resolution of Citrulline: Experimental, Statistical, and Molecular Dynamics Simulation Studies. <i>Crystal Growth and Design</i> , 2022, 22, 2392-2406.	1.4	11
11	Porous Se@SiO <sub>2</sub> Nanoparticles Enhance Wound Healing by ROS-PI3K/Akt Pathway in Dermal Fibroblasts and Reduce Scar Formation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 852482.	2.0	1
12	Porous Se@SiO <sub>2</sub> Nanoparticles Attenuate Radiation-Induced Cognitive Dysfunction via Modulating Reactive Oxygen Species. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1342-1353.	2.6	5
13	Association between gut microbiome and metabolome in mice suffering from acute carbapenem-resistant <i>Escherichia coli</i> infection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 215, 114770.	1.4	2
14	Clinical Evidence and Potential Mechanisms of Complementary Treatment of Ling Gui Zhu Gan Formula for the Management of Serum Lipids and Obesity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-20.	0.5	1
15	Using Amphiphilic Polymer Micelles as the Templates of Antisolvent Crystallization to Produce Drug Nanocrystals. <i>ACS Omega</i> , 2022, 7, 21000-21013.	1.6	5
16	Improved rotator cuff healing after surgical repair <i>via</i> suppression of reactive oxygen species by sustained release of Se. <i>New Journal of Chemistry</i> , 2021, 45, 6479-6485.	1.4	2
17	A Selenium Nanocomposite Protects the Mouse Brain from Oxidative Injury Following Intracerebral Hemorrhage. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 775-788.	3.3	11
18	Responsive Degradable Theranostic Agents Enable Controlled Selenium Delivery to Enhance Photothermal Radiotherapy and Reduce Side Effects. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002024.	3.9	41

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19	Editorial: Advanced Silica Nanomaterials for Drug Delivery. <i>Frontiers in Chemistry</i> , 2021, 9, 677647.	1.8	1
20	A biocompatible theranostic agent based on stable bismuth nanoparticles for X-ray computed tomography/magnetic resonance imaging-guided enhanced chemo/photothermal/chemodynamic therapy for tumours. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 80-90.	5.0	37
21	Multifunctional MnO <sub>2</sub> -based nanoplatform-induced ferroptosis and apoptosis for synergetic chemoradiotherapy. <i>Nanomedicine</i> , 2021, 16, 2343-2361.	1.7	7
22	A graphene oxide modified cellulose nanocrystal/PNIPAAm IPN hydrogel for the adsorption of Congo red and methylene blue. <i>New Journal of Chemistry</i> , 2021, 45, 16679-16688.	1.4	12
23	Macrophage-biomimetic porous Se@SiO <sub>2</sub> nanocomposites for dual modal immunotherapy against inflammatory osteolysis. <i>Journal of Nanobiotechnology</i> , 2021, 19, 382.	4.2	20
24	Experimental and Molecular Dynamics Simulation Study on the Primary Nucleation of Penicillamine Racemate and Its Enantiomers in the Mixture Solvent of Water and Ethanol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21957-21968.	1.8	13
25	Microbial metabolomics and network analysis reveal fungistatic effect of basil ( <i>Ocimum basilicum</i> ) oil on <i>Candida albicans</i> . <i>Journal of Ethnopharmacology</i> , 2020, 260, 113002.	2.0	16
26	The construction of CuCo <sub>2</sub> O <sub>4</sub> /N-doped reduced graphene oxide hybrid hollow spheres as anodes for sodium-ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 6739-6746.	1.4	10
27	A smart theranostic agent based on Fe-HPPy@Au/DOX for CT imaging and PTT/chemotherapy/CDT combined anticancer therapy. <i>Biomaterials Science</i> , 2020, 8, 4067-4072.	2.6	37
28	Tumor environment responsive degradable CuS@mSiO <sub>2</sub> @MnO <sub>2</sub> /DOX for MRI guided synergistic chemo-photothermal therapy and chemodynamic therapy. <i>Chemical Engineering Journal</i> , 2020, 389, 124450.	6.6	124
29	Bioinspired, Microstructured Silk Fibroin Adhesives for Flexible Skin Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5601-5609.	4.0	83
30	Se@SiO <sub>2</sub> @Au-PEG/DOX NCs as a multifunctional theranostic agent efficiently protect normal cells from oxidative damage during photothermal therapy. <i>Dalton Transactions</i> , 2020, 49, 2209-2217.	1.6	20
31	Triethylenetetramine-modified hollow Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /chitosan magnetic nanocomposites for removal of Cr(VI) ions with high adsorption capacity and rapid rate. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 110041.	2.2	74
32	Mechanical Tolerance of Cascade Bioreactions via Adaptive Curvature Engineering for Epidermal Bioelectronics. <i>Advanced Materials</i> , 2020, 32, e2000991.	11.1	17
33	Mitochondria-Modulating Porous Se@SiO <sub>2</sub> Nanoparticles Provide Resistance to Oxidative Injury in Airway Epithelial Cells: Implications for Acute Lung Injury. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2287-2302.	3.3	21
34	Water-Resistant Conformal Hybrid Electrodes for Aquatic Endurable Electrocardiographic Monitoring. <i>Advanced Materials</i> , 2020, 32, e2001496.	11.1	146
35	Porous Se@SiO <sub>2</sub> nanospheres attenuate ischemia/reperfusion (I/R)-induced acute kidney injury (AKI) and inflammation by antioxidative stress. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 215-229.	3.3	29
36	Porous Se@SiO <sub>2</sub> nanospheres attenuate cisplatin-induced acute kidney injury via activation of Sirt1. <i>Toxicology and Applied Pharmacology</i> , 2019, 380, 114704.	1.3	19

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37	Facile construction of dual functional Fe <sub>3</sub> O <sub>4</sub> @C-MoO <sub>2</sub> -Ni composites for catalysis and adsorption. <i>Applied Surface Science</i> , 2019, 494, 783-794.	3.1	27
38	Molecular Simulation Approaches for the Prediction of Unknown Crystal Structures and Solubilities of (<i>R</i>)- and (<i>S</i>)-Crizotinib in Organic Solvents. <i>Crystal Growth and Design</i> , 2019, 19, 5882-5895.	1.4	17
39	Amperometric sensor for dopamine based on surface-graphenization pencil graphite electrode prepared by in-situ electrochemical delamination. <i>Mikrochimica Acta</i> , 2019, 186, 324.	2.5	18
40	Ultrasound-controlled DOX-SiO <sub>2</sub> nanocomposites enhance the antitumour efficacy and attenuate the toxicity of doxorubicin. <i>Nanoscale</i> , 2019, 11, 4210-4218.	2.8	18
41	Porous Se@SiO <sub>2</sub> nanosphere-coated catheter accelerates prostatic urethra wound healing by modulating macrophage polarization through reactive oxygen species-NF- $\kappa$ B pathway inhibition. <i>Acta Biomaterialia</i> , 2019, 88, 392-405.	4.1	30
42	“All-in-One” Theranostic Agent with Seven Functions Based on Bi-Doped Metal Chalcogenide Nanoflowers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45467-45478.	4.0	24
43	Inhibition of cancer cell migration with CuS@mSiO <sub>2</sub> -PEG nanoparticles by repressing MMP-2/MMP-9 expression. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 103-116.	3.3	14
44	Se@SiO <sub>2</sub> -CuS nanocomposites for targeted delivery of DOX and nano selenium in synergistic combination of chemo-photothermal therapy. <i>Nanoscale</i> , 2018, 10, 2866-2875.	2.8	94
45	One-step assembly of CuMoS <sub>3</sub> nanocrystals for the synergistic effect of photothermal therapy and photodynamic therapy. <i>Dalton Transactions</i> , 2018, 47, 5622-5629.	1.6	15
46	Se@SiO <sub>2</sub> nanocomposites attenuate doxorubicin-induced cardiotoxicity through combatting oxidative damage. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 112-121.	1.9	19
47	Selenium nanocomposites as multifunctional nanoplatform for imaging guiding synergistic chemo-photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 161-169.	2.5	34
48	A novel theranostic agent based on porous bismuth nanosphere for CT imaging-guided combined chemo-photothermal therapy and radiotherapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6788-6795.	2.9	38
49	Fabrication of xanthate-modified chitosan/poly(N-isopropylacrylamide) composite hydrogel for the selective adsorption of Cu(II), Pb(II) and Ni(II) metal ions. <i>Chemical Engineering Research and Design</i> , 2018, 139, 197-210.	2.7	71
50	Porous Se@SiO <sub>2</sub> nanocomposites protect the femoral head from methylprednisolone-induced osteonecrosis. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1809-1818.	3.3	20
51	Facile assembling of novel polypyrrole nanocomposites theranostic agent for magnetic resonance and computed tomography imaging guided efficient photothermal ablation of tumors. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 547-555.	5.0	32
52	Se@SiO <sub>2</sub> nanocomposites suppress microglia-mediated reactive oxygen species during spinal cord injury in rats. <i>RSC Advances</i> , 2018, 8, 16126-16138.	1.7	8
53	Facile fabrication of a magnetically smart PTX-loaded Cys-Fe <sub>3</sub> O <sub>4</sub> /CuS@BSA nano-drug for imaging-guided chemo-photothermal therapy. <i>Dalton Transactions</i> , 2017, 46, 2204-2213.	1.6	18
54	Crystal characterization and transformation of the forms I and II of anticoagulant drug rivaroxaban. <i>Crystal Research and Technology</i> , 2017, 52, 1600379.	0.6	9

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55	Treatment of steroid-induced osteonecrosis of the femoral head using porous Se@SiO <sub>2</sub> nanocomposites to suppress reactive oxygen species. <i>Scientific Reports</i> , 2017, 7, 43914.	1.6	25
56	Multifunctional PS@CS@Au@Fe <sub>3</sub> O <sub>4</sub> @FA nanocomposites for CT, MR and fluorescence imaging guided targeted-photothermal therapy of cancer cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4221-4232.	2.9	37
57	Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @CS-TETA functionalized graphene oxide for the adsorption of methylene blue (MB) and Cu(II). <i>Applied Surface Science</i> , 2017, 420, 970-981.	3.1	147
58	Sub-micron-sized polyethylenimine-modified polystyrene/Fe <sub>3</sub> O <sub>4</sub> /chitosan magnetic composites for the efficient and recyclable adsorption of Cu(II) ions. <i>Applied Surface Science</i> , 2017, 394, 378-385.	3.1	73
59	A novel and facile synthesis of porous SiO <sub>2</sub> -coated ultrasmall Se particles as a drug delivery nanopatform for efficient synergistic treatment of cancer cells. <i>Nanoscale</i> , 2016, 8, 8536-8541.	2.8	50
60	Fe <sub>3</sub> O <sub>4</sub> @mSiO <sub>2</sub> -FA-CuS-PEG nanocomposites for magnetic resonance imaging and targeted chemo-photothermal synergistic therapy of cancer cells. <i>Dalton Transactions</i> , 2016, 45, 13456-13465.	1.6	49
61	Facile one-pot synthesis of Fe <sub>3</sub> O <sub>4</sub> @chitosan nanospheres for MRI and fluorescence imaging guided chemo-photothermal combinational cancer therapy. <i>Dalton Transactions</i> , 2016, 45, 19519-19528.	1.6	27
62	NaYF <sub>4</sub> :Yb/Er@PPy core-shell nanoplates: an imaging-guided multimodal platform for photothermal therapy of cancers. <i>Nanoscale</i> , 2016, 8, 1040-1048.	2.8	42
63	Hierarchical core/shell structures of ZnO nanorod@CoMoO <sub>4</sub> nanoplates used as a high-performance electrode for supercapacitors. <i>RSC Advances</i> , 2016, 6, 3020-3024.	1.7	30
64	Solubility Measurement and Simulation of Rivaroxaban (Form I) in Solvent Mixtures from 273.15 to 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 495-503.	1.0	9
65	Facile synthesis of 3D flower-like porous NiO architectures with an excellent capacitance performance. <i>RSC Advances</i> , 2015, 5, 47506-47510.	1.7	42
66	Hydrous RuO <sub>2</sub> nanoparticles as an efficient NIR-light induced photothermal agent for ablation of cancer cells in vitro and in vivo. <i>Nanoscale</i> , 2015, 7, 11962-11970.	2.8	44
67	CuS@mSiO <sub>2</sub> -PEG core-shell nanoparticles as a NIR light responsive drug delivery nanopatform for efficient chemo-photothermal therapy. <i>Dalton Transactions</i> , 2015, 44, 10343-10351.	1.6	80
68	High performance Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite electrode for sodium-ion capacitors. <i>Ionics</i> , 2015, 21, 2633-2638.	1.2	27
69	Heterostructures of CuS nanoparticle/ZnO nanorod arrays on carbon fibers with improved visible and solar light photocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7304-7313.	5.2	95
70	CuS hierarchical hollow microcubes with improved visible-light photocatalytic performance. <i>RSC Advances</i> , 2015, 5, 98136-98143.	1.7	25
71	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4795.	5.2	355
72	Cu <sub>2</sub> Se@mSiO <sub>2</sub> @PEG core-shell nanoparticles: a low-toxic and efficient difunctional nanopatform for chemo-photothermal therapy under near infrared light radiation with a safe power density. <i>Nanoscale</i> , 2014, 6, 4361-4370.	2.8	77

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73	CoMoO <sub>4</sub> ·0.9H <sub>2</sub> O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. RSC Advances, 2014, 4, 34307.	1.7	46
74	Design and synthesis of 3D interconnected mesoporous NiCo <sub>2</sub> O <sub>4</sub> @Co <sub>x</sub> Ni <sub>1-x</sub> (OH) <sub>2</sub> core-shell nanosheet arrays with large areal capacitance and high rate performance for supercapacitors. Journal of Materials Chemistry A, 2014, 2, 10090.	5.2	174
75	Understanding the effect of polypyrrole and poly(3,4-ethylenedioxythiophene) on enhancing the supercapacitor performance of NiCo <sub>2</sub> O <sub>4</sub> electrodes. Journal of Materials Chemistry A, 2014, 2, 16731-16739.	5.2	70
76	Folic acid-conjugated hollow mesoporous silica/CuS nanocomposites as a difunctional nanoplatform for targeted chemo-photothermal therapy of cancer cells. Journal of Materials Chemistry B, 2014, 2, 5358.	2.9	88
77	Facile synthesis of biocompatible cysteine-coated CuS nanoparticles with high photothermal conversion efficiency for cancer therapy. Dalton Transactions, 2014, 43, 11709.	1.6	213
78	Chain-like NiCo <sub>2</sub> O <sub>4</sub> nanowires with different exposed reactive planes for high-performance supercapacitors. Journal of Materials Chemistry A, 2013, 1, 8560.	5.2	250
79	Self-assembling hybrid NiO/Co <sub>3</sub> O <sub>4</sub> ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapacitance. Journal of Materials Chemistry A, 2013, 1, 9107.	5.2	101