

Yao Wu

List of Publications by Year in Descending Order

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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.

86
papers

2,062
citations

23
h-index

42
g-index

99
ext. papers

2,439
ext. citations

6.4
avg, IF

5
L-index

#	Paper	IF	Citations
86	Dynamic biological interfaces functionalized fructose-responsive immunomagnetic beads for high-efficient and high-purity exosome enrichment. <i>Materials and Design</i> , 2022 , 213, 110366	8.1	1
85	Surfactant-free synthesis of covalent organic framework nanospheres in water at room temperature. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1333-1339	9.3	3
84	Graphene oxide and mineralized collagen-functionalized dental implant abutment with effective soft tissue seal and remotely repeatable photodisinfection.. <i>International Journal of Energy Production and Management</i> , 2022 , 9, rbac024	5.3	3
83	In Situ Controllable Fabrication of Two-Dimensional Magnetic FeO/TiO@TiCT Composites for Highly Efficient Phosphopeptides Enrichment. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54665-54676	9.5	2
82	Immuno-affinitive supramolecular magnetic nanoparticles incorporating cucurbit[8]uril-mediated ternary host-guest complexation structures for high-efficient small extracellular vesicle enrichment.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 462-471	9.3	4
81	Cell-Released Magnetic Vesicles Capturing Metabolic Labeled Rare Circulating Tumor Cells Based on Bioorthogonal Chemistry. <i>Small</i> , 2021 , 17, e2007796	11	6
80	Rapid synthesis of magnetic polyimine nanospheres at room temperature for enrichment of endogenous C-peptide. <i>Colloids and Interface Science Communications</i> , 2021 , 42, 100390	5.4	
79	A magnetic surface-enhanced Raman scattering platform for performing successive breast cancer exosome isolation and analysis. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2709-2716	7.3	13
78	Magnetic polymer nanomaterials for sample pretreatment in proteomics. <i>Materials Advances</i> , 2021 , 2, 2200-2215	3.3	0
77	Intermolecular B-N coordination and multi-interaction synergism induced selective glycoprotein adsorption by phenylboronic acid-functionalized magnetic composites under acidic and neutral conditions. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 453-463	7.3	5
76	Metal-Organic Framework-Derived Hollow and Hierarchical Porous Multivariate Metal-Oxide Microspheres for Efficient Phosphoproteomics Analysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34762-34772	9.5	1
75	Bifunctional magnetic covalent organic framework for simultaneous enrichment of phosphopeptides and glycopeptides. <i>Analytica Chimica Acta</i> , 2021 , 1177, 338761	6.6	4
74	Phytic acid functionalized magnetic bimetallic metal-organic frameworks for phosphopeptide enrichment. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1811-1820	7.3	6
73	A light-up fluorescence resonance energy transfer magnetic aptamer-sensor for ultra-sensitive lung cancer exosome detection. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2483-2493	7.3	16
72	Construction of a magnetic covalent organic framework with synergistic affinity strategy for enhanced glycopeptide enrichment. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6377-6386	7.3	5
71	The essential role of osteoclast-derived exosomes in magnetic nanoparticle-infiltrated hydroxyapatite scaffold modulated osteoblast proliferation in an osteoporosis model. <i>Nanoscale</i> , 2020 , 12, 8720-8726	7.7	19
70	PAMAM-PMAA brush-functionalized magnetic composite nanospheres: a smart nanoprobe with tunable selectivity for effective enrichment of mono-, multi-, or global phosphopeptides. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1266-1276	7.3	14

69	Design of guanidyl-functionalized magnetic covalent organic framework for highly selective capture of endogenous phosphopeptides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1145, 122080	3.2	4
68	Bottlebrush-like highly efficient antibacterial coating constructed using helical peptide dendritic polymers on the poly(styrene--(ethylene--butylene)--styrene) surface. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7428-7437	7.3	7
67	Complementary multiple hydrogen-bond-based magnetic composite microspheres for high coverage and efficient phosphopeptide enrichment in bio-samples. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8414-8421	7.3	3
66	Two-staged time-dependent materials for the prevention of implant-related infections. <i>Acta Biomaterialia</i> , 2020 , 101, 128-140	10.8	20
65	Design of Functional Magnetic Nanocomposites for Bioseparation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 111014	6	16
64	Multifunctional luminescent immuno-magnetic nanoparticles: toward fast, efficient, cell-friendly capture and recovery of circulating tumor cells. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 393-400	7.3	25
63	Protein corona of magnetic PEI/siRNA complex under the influence of a magnetic field improves transfection efficiency via complement and coagulation cascades. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4207-4216	7.3	1
62	Dynamic protein corona influences immune-modulating osteogenesis in magnetic nanoparticle (MNP)-infiltrated bone regeneration scaffolds in vivo. <i>Nanoscale</i> , 2019 , 11, 6817-6827	7.7	13
61	Multi-targeting magnetic hyaluronan capsules efficiently capturing circulating tumor cells. <i>Journal of Colloid and Interface Science</i> , 2019 , 545, 94-103	9.3	12
60	Leukocyte-Repelling Biomimetic Immunomagnetic Nanoplatform for High-Performance Circulating Tumor Cells Isolation. <i>Small</i> , 2019 , 15, e1900558	11	33
59	Boronic Acid-Functionalized Magnetic Metal-Organic Frameworks via a Dual-Ligand Strategy for Highly Efficient Enrichment of Phosphopeptides and Glycopeptides. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6043-6052	8.3	59
58	Glutathione-Functionalized Magnetic Covalent Organic Framework Microspheres with Size Exclusion for Endogenous Glycopeptide Recognition in Human Saliva. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47218-47226	9.5	26
57	Static Magnetic Field Dictates Protein Corona Formation on the Surface of Glutamine-Modified Superparamagnetic Iron Oxide Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700418	3.1	4
56	Dopamine self-polymerized along with hydroxyapatite onto the preactivated titanium percutaneous implants surface to promote human gingival fibroblast behavior and antimicrobial activity for biological sealing. <i>Journal of Biomaterials Applications</i> , 2018 , 32, 1071-1082	2.9	19
55	Multi-affinity sites of magnetic guanidyl-functionalized metal-organic framework nanospheres for efficient enrichment of global phosphopeptides. <i>Nanoscale</i> , 2018 , 10, 8391-8396	7.7	46
54	pH-responsive superstructures prepared via the assembly of FeO amphipathic Janus nanoparticles. <i>International Journal of Energy Production and Management</i> , 2018 , 5, 251-259	5.3	3
53	Conformational changes of adsorbed and free proteins on magnetic nanoclusters. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 664-672	6	16
52	PAMA-Arg brush-functionalized magnetic composite nanospheres for highly effective enrichment of phosphorylated biomolecules. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3969-3978	7.3	16

51	Immuno-modified superparamagnetic nanoparticles via host-guest interactions for high-purity capture and mild release of exosomes. <i>Nanoscale</i> , 2018 , 10, 14280-14289	7.7	53
50	Superparamagnetic nanocomposites based on surface imprinting for biomacromolecular recognition. <i>Materials Science and Engineering C</i> , 2017 , 70, 1076-1080	8.3	11
49	pH-Responsive magnetic nanospheres for the reversibly selective capture and release of glycoproteins. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1236-1245	7.3	19
48	pH-Responsive magnetic metal-organic framework nanocomposites for selective capture and release of glycoproteins. <i>Nanoscale</i> , 2017 , 9, 527-532	7.7	40
47	Protein Corona of Magnetic Hydroxyapatite Scaffold Improves Cell Proliferation via Activation of Mitogen-Activated Protein Kinase Signaling Pathway. <i>ACS Nano</i> , 2017 , 11, 3690-3704	16.7	69
46	Directing the osteoblastic and chondrocytic differentiations of mesenchymal stem cells: matrix vs. induction media. <i>International Journal of Energy Production and Management</i> , 2017 , 4, 269-279	5.3	14
45	Polymer-entanglement-driven coassembly of hybrid superparamagnetic nanoparticles: Tunable structures and flexible functionalization. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 263-273	9.3	6
44	Anti-Bacteria and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. <i>Molecules</i> , 2017 , 22,	4.8	14
43	Uniform Superparamagnetic Fe ₃ O ₄ /CMCS Composite Nanospheres for Lysozyme Adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 2233-8	1.3	4
42	The essential role of inorganic substrate in the migration and osteoblastic differentiation of mesenchymal stem cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 59, 353-365	4.1	7
41	Ligand-Free Fe ₃ O ₄ /CMCS Nanoclusters with Negative Charges for Efficient Structure-Selective Protein Adsorption. <i>Small</i> , 2016 , 12, 2344-53	11	18
40	Fabrication of hollow-structured composite microspheres with amphiphilic and superparamagnetic properties. <i>RSC Advances</i> , 2016 , 6, 14077-14083	3.7	2
39	A magnetic-dependent protein corona of tailor-made superparamagnetic iron oxides alters their biological behaviors. <i>Nanoscale</i> , 2016 , 8, 7544-55	7.7	22
38	Bioreducible Fluorinated Peptide Dendrimers Capable of Circumventing Various Physiological Barriers for Highly Efficient and Safe Gene Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5821-32	9.5	85
37	Protein Adsorption: Ligand-Free Fe ₃ O ₄ /CMCS Nanoclusters with Negative Charges for Efficient Structure-Selective Protein Adsorption (Small 17/2016). <i>Small</i> , 2016 , 12, 2248-2248	11	1
36	Synthesis of amphipathic superparamagnetic Fe ₃ O ₄ Janus nanoparticles via a moderate strategy and their controllable self-assembly. <i>RSC Advances</i> , 2016 , 6, 40450-40458	3.7	15
35	A colloidal assembly approach to synthesize magnetic porous composite nanoclusters for efficient protein adsorption. <i>Nanoscale</i> , 2015 , 7, 17617-22	7.7	17
34	Modulation of cationicity of chitosan for tuning mesenchymal stem cell adhesion, proliferation, and differentiation. <i>Biointerphases</i> , 2015 , 10, 04A304	1.8	10

33	Facile Fabrication of Robust Organic Counterion-Induced Vesicles: Reversible Thermal Behavior for Optical Temperature Sensor and Synergistic Catalyst upon Removal of Amine. <i>Advanced Functional Materials</i> , 2015 , 25, 3764-3774	15.6	18
32	One-Pot Synthesis of Hydrophilic Superparamagnetic Fe ₃ O ₄ /Poly(methyl methacrylate-acrylic acid) Composite Nanoparticles with High Magnetization. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 349-54	1.3	5
31	"Green" functionalization of magnetic nanoparticles via tea polyphenol for magnetic resonance/fluorescent dual-imaging. <i>Nanoscale</i> , 2014 , 6, 1305-10	7.7	18
30	Reversible linear assemblies of superparamagnetic Fe ₃ O ₄ /PLGA composite microspheres induced by ultra-low magnetic field. <i>Composites Science and Technology</i> , 2014 , 92, 34-40	8.6	10
29	Functional and biodegradable dendritic macromolecules with controlled architectures as nontoxic and efficient nanoscale gene vectors. <i>Biotechnology Advances</i> , 2014 , 32, 818-30	17.8	52
28	Double-sided coordination assembly: superparamagnetic composite microspheres with layer-by-layer structure for protein separation. <i>RSC Advances</i> , 2014 , 4, 1055-1061	3.7	12
27	Biodegradable polymeric nanoparticles based on amphiphilic principle: construction and application in drug delivery. <i>Science China Chemistry</i> , 2014 , 57, 461-475	7.9	37
26	Protein corona on magnetite nanoparticles and internalization of nanoparticle-protein complexes into healthy and cancer cells. <i>Archives of Pharmacol Research</i> , 2014 , 37, 129-41	6.1	13
25	Hollow superparamagnetic PLGA/Fe ₃ O ₄ composite microspheres for lysozyme adsorption. <i>Nanotechnology</i> , 2014 , 25, 085702	3.4	16
24	Polyacrylic acid brushes grafted from P(St-AA)/Fe ₃ O ₄ composite microspheres via ARGET-ATRP in aqueous solution for protein immobilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 413-8	6	21
23	Polydopamine-based superparamagnetic molecularly imprinted polymer nanospheres for efficient protein recognition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 213-8	6	21
22	Synergic effect of magnetic nanoparticles on the electrospun aligned superparamagnetic nanofibers as a potential tissue engineering scaffold. <i>RSC Advances</i> , 2013 , 3, 879-886	3.7	26
21	Superparamagnetic Fe ₃ O ₄ /PMMA composite nanospheres as a nanoplatfor for multimodal protein separation. <i>RSC Advances</i> , 2013 , 3, 1557-1563	3.7	23
20	Low aggregation magnetic polyethyleneimine complexes with different saturation magnetization for efficient gene transfection in vitro and in vivo. <i>RSC Advances</i> , 2013 , 3, 23571	3.7	13
19	Superparamagnetic iron oxide nanoparticles as MRI contrast agents for non-invasive stem cell labeling and tracking. <i>Theranostics</i> , 2013 , 3, 595-615	12.1	342
18	Preparation and Properties of Supermagnetic Calcium Phosphate Composite Scaffold. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2013 , 28, 79-84	1	5
17	Synthesis of functionalizable and biodegradable polymers via ring-opening polymerization of 5-benzyloxy-trimethylene carbonate and ϵ -caprolactone. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 2204-2210	2.9	8
16	Synthesis of superparamagnetic Fe ₃ O ₄ /PMMA/SiO ₂ nanorattles with periodic mesoporous shell for lysozyme adsorption. <i>Nanoscale</i> , 2012 , 4, 2264-7	7.7	40

15	Superparamagnetic nano-composite scaffolds for promoting bone cell proliferation and defect repair without a magnetic field. <i>RSC Advances</i> , 2012 , 2, 13007	3.7	52
14	Magnetic responsive hydroxyapatite composite scaffolds construction for bone defect repair. <i>International Journal of Nanomedicine</i> , 2012 , 7, 3365-78	7.3	94
13	Comparison of drug delivery properties of PEG-b-pdhpc micelles with different compositions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012 , 30, 387-396	3.5	13
12	Controllable preparation of ternary superparamagnetic nanoparticles dual-doped with Mn and Zn elements. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 8437-42	1.3	5
11	Facile synthesis of monodisperse superparamagnetic Fe ₃ O ₄ /PMMA composite nanospheres with high magnetization. <i>Nanotechnology</i> , 2011 , 22, 225604	3.4	42
10	The effect of [Fe ³⁺]/[Fe ²⁺] molar ratio and iron salts concentration on the properties of superparamagnetic iron oxide nanoparticles in the water/ethanol/toluene system. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5135-5145	2.3	59
9	Polypeptide dendrimers: Self-assembly and drug delivery. <i>Science China Chemistry</i> , 2011 , 54, 326-333	7.9	18
8	Bioactive Glass-Ceramic Coatings Synthesized by the Liquid Precursor Plasma Spraying Process. <i>Journal of Thermal Spray Technology</i> , 2011 , 20, 560-568	2.5	14
7	Functionalization of magnetic nanoparticles with peptide dendrimers. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5464		54
6	POLY(L-GLUTAMIC ACID) DENDRON BASED pH SENSITIVE DRUG CARRIER WITH MAGNETIC NANOPARTICLE CORE. <i>Acta Polymerica Sinica</i> , 2011 , 011, 679-686		3
5	A novel calcium phosphate ceramic-magnetic nanoparticle composite as a potential bone substitute. <i>Biomedical Materials (Bristol)</i> , 2010 , 5, 15001	3.5	82
4	Study on the Cyclodextrin/poly(ethylene glycol) self-assembly supramolecular nanoparticles for drug delivery. <i>Science China Chemistry</i> , 2010 , 53, 495-501	7.9	10
3	New-generation biomedical materials: Peptide dendrimers and their application in biomedicine. <i>Science China Chemistry</i> , 2010 , 53, 458-478	7.9	42
2	Effect of sodium oleate as a buffer on the synthesis of superparamagnetic magnetite colloids. <i>Journal of Colloid and Interface Science</i> , 2010 , 347, 1-7	9.3	54
1	Study on the Synthesis and Properties of Superparamagnetic Monodisperse Fe ₃ O ₄ Nanoparticles. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2009 , 24, 727-731	1	2