

Yao Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2645647/publications.pdf>

Version: 2024-02-01

94
papers

2,801
citations

201385

27
h-index

197535

49
g-index

99
all docs

99
docs citations

99
times ranked

4433
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic Iron Oxide Nanoparticles as MRI contrast agents for Non-invasive Stem Cell Labeling and Tracking. <i>Theranostics</i> , 2013, 3, 595-615.	4.6	410
2	Magnetic responsive hydroxyapatite composite scaffolds construction for bone defect reparation. <i>International Journal of Nanomedicine</i> , 2012, 7, 3365.	3.3	108
3	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, 5821-5832.	4.0	99
4	A novel calcium phosphate ceramicâ€“magnetic nanoparticle composite as a potential bone substitute. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 015001.	1.7	97
5	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.	7.3	94
6	Boronic Acid-Functionalized Magnetic Metalâ€“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.	3.2	88
7	Immuno-modified superparamagnetic nanoparticles <i>via</i> hostâ€“guest interactions for high-purity capture and mild release of exosomes. <i>Nanoscale</i> , 2018, 10, 14280-14289.	2.8	80
8	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.	0.8	73
9	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.	5.0	61
10	Functionalization of magnetic nanoparticles with peptide dendrimers. <i>Journal of Materials Chemistry</i> , 2011, 21, 5464.	6.7	61
11	Functional and biodegradable dendritic macromolecules with controlled architectures as nontoxic and efficient nanoscale gene vectors. <i>Biotechnology Advances</i> , 2014, 32, 818-830.	6.0	58
12	Multi-affinity sites of magnetic guanidyl-functionalized metalâ€“organic framework nanospheres for efficient enrichment of global phosphopeptides. <i>Nanoscale</i> , 2018, 10, 8391-8396.	2.8	58
13	Superparamagnetic nano-composite scaffolds for promoting bone cell proliferation and defect reparation without a magnetic field. <i>RSC Advances</i> , 2012, 2, 13007.	1.7	56
14	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.	4.0	54
15	Facile synthesis of monodisperse superparamagnetic Fe ₃ O ₄ PMMA composite nanospheres with high magnetization. <i>Nanotechnology</i> , 2011, 22, 225604.	1.3	51
16	Leukocyteâ€“Repelling Biomimetic Immunomagnetic Nanoplatform for Highâ€“Performance Circulating Tumor Cells Isolation. <i>Small</i> , 2019, 15, e1900558.	5.2	48
17	Two-staged time-dependent materials for the prevention of implant-related infections. <i>Acta Biomaterialia</i> , 2020, 101, 128-140.	4.1	48
18	New-generation biomedical materials: Peptide dendrimers and their application in biomedicine. <i>Science China Chemistry</i> , 2010, 53, 458-478.	4.2	47

#	ARTICLE	IF	CITATIONS
19	pH-Responsive magnetic metal-organic framework nanocomposites for selective capture and release of glycoproteins. <i>Nanoscale</i> , 2017, 9, 527-532.	2.8	47
20	Biodegradable polymeric nanoparticles based on amphiphilic principle: construction and application in drug delivery. <i>Science China Chemistry</i> , 2014, 57, 461-475.	4.2	45
21	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.	2.9	45
22	Synthesis of superparamagnetic Fe ₃ O ₄ /PMMA/SiO ₂ nanorattles with periodic mesoporous shell for lysozyme adsorption. <i>Nanoscale</i> , 2012, 4, 2264.	2.8	41
23	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.	2.9	36
24	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.	2.9	34
25	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.	1.7	30
26	Design of Functional Magnetic Nanocomposites for Bioseparation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 111014.	2.5	30
27	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.	2.8	29
28	A magnetic-dependent protein corona of tailor-made superparamagnetic iron oxides alters their biological behaviors. <i>Nanoscale</i> , 2016, 8, 7544-7555.	2.8	28
29	Polydopamine-based superparamagnetic molecularly imprinted polymer nanospheres for efficient protein recognition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 213-218.	2.5	27
30	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.	1.2	26
31	pH-Responsive magnetic nanospheres for the reversibly selective capture and release of glycoproteins. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1236-1245.	2.9	25
32	Phytic acid functionalized magnetic bimetallic metal-organic frameworks for phosphopeptide enrichment. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1811-1820.	2.9	25
33	Superparamagnetic Fe ₃ O ₄ /PMMA composite nanospheres as a nanoplatform for multimodal protein separation. <i>RSC Advances</i> , 2013, 3, 1557-1563.	1.7	24
34	Anti-Bacterial and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. <i>Molecules</i> , 2017, 22, 2013.	1.7	24
35	Dynamic protein corona influences immune-modulating osteogenesis in magnetic nanoparticle (MNP)-infiltrated bone regeneration scaffolds <i>in vivo</i> . <i>Nanoscale</i> , 2019, 11, 6817-6827.	2.8	24
36	PAMAM-PMMA 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.	2.9	24

#	ARTICLE	IF	CITATIONS
37	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, 413-418.	2.5	23
38	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.	2.9	23
39	Cell-Released Magnetic Vesicles Capturing Metabolic Labeled Rare Circulating Tumor Cells Based on Bioorthogonal Chemistry. <i>Small</i> , 2021, 17, e2007796.	5.2	23
40	Polypeptide dendrimers: Self-assembly and drug delivery. <i>Science China Chemistry</i> , 2011, 54, 326-333.	4.2	22
41	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.	1.7	22
42	Ligand-Free Fe ₃ O ₄ /CMCS Nanoclusters with Negative Charges for Efficient Structure-Selective Protein Adsorption. <i>Small</i> , 2016, 12, 2344-2353.	5.2	21
43	Green-functionalization of magnetic nanoparticles via tea polyphenol for magnetic resonance/fluorescent dual-imaging. <i>Nanoscale</i> , 2014, 6, 1305-1310.	2.8	20
44	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.	7.8	20
45	A colloidal assembly approach to synthesize magnetic porous composite nanoclusters for efficient protein adsorption. <i>Nanoscale</i> , 2015, 7, 17617-17622.	2.8	19
46	Multi-targeting magnetic hyaluronan capsules efficiently capturing circulating tumor cells. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 94-103.	5.0	19
47	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.	5.0	19
48	Bioactive Glass-Ceramic Coatings Synthesized by the Liquid Precursor Plasma Spraying Process. <i>Journal of Thermal Spray Technology</i> , 2011, 20, 560-568.	1.6	18
49	Protein corona on magnetite nanoparticles and internalization of nanoparticle-protein complexes into healthy and cancer cells. <i>Archives of Pharmacal Research</i> , 2014, 37, 129-141.	2.7	18
50	Conformational changes of adsorbed and free proteins on magnetic nanoclusters. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 664-672.	2.5	18
51	Bifunctional magnetic covalent organic framework for simultaneous enrichment of phosphopeptides and glycopeptides. <i>Analytica Chimica Acta</i> , 2021, 1177, 338761.	2.6	18
52	Hollow superparamagnetic PLGA/Fe ₃ O ₄ composite microspheres for lysozyme adsorption. <i>Nanotechnology</i> , 2014, 25, 085702.	1.3	17
53	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.	1.9	17
54	Superparamagnetic nanocomposites based on surface imprinting for biomacromolecular recognition. <i>Materials Science and Engineering C</i> , 2017, 70, 1076-1080.	3.8	15

#	ARTICLE	IF	CITATIONS
55	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.	1.7	14
56	Bottlebrush-like highly efficient antibacterial coating constructed using $\hat{\pm}$ -helical peptide dendritic polymers on the poly(styrene- <i>b</i> -(ethylene- <i>co</i> -butylene)- <i>b</i> -styrene) surface. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7428-7437.	2.9	14
57	Comparison of drug delivery properties of PEG- <i>b</i> -pdhpc micelles with different compositions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 387-396.	2.0	13
58	Double-sided coordination assembly: superparamagnetic composite microspheres with layer-by-layer structure for protein separation. <i>RSC Advances</i> , 2014, 4, 1055-1061.	1.7	13
59	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.	1.2	13
60	Modulation of cationicity of chitosan for tuning mesenchymal stem cell adhesion, proliferation, and differentiation. <i>Biointerphases</i> , 2015, 10, 04A304.	0.6	12
61	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.	1.5	12
62	In Situ Controllable Fabrication of Two-Dimensional Magnetic Fe ₃ O ₄ /TiO ₂ @Ti ₃ C ₂ T _x Composites for Highly Efficient Phosphopeptides Enrichment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54665-54676.	4.0	12
63	Controllable Environment Protein Corona-Disguised Immunomagnetic Beads for High-Performance Circulating Tumor Cell Enrichment. <i>Analytical Chemistry</i> , 2022, 94, 4650-4657.	3.2	12
64	Study on the $\hat{\pm}$ -cyclodextrin/poly(ethylene glycol) self-assembly supramolecular nanoparticles for drug delivery. <i>Science China Chemistry</i> , 2010, 53, 495-501.	4.2	11
65	Intermolecular Bâ€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.	2.9	11
66	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.	2.9	11
67	Hedgehog-inspired immunomagnetic beads for high-efficient capture and release of exosomes. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4059-4069.	2.9	11
68	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.	3.8	10
69	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.	1.9	10
70	Synthesis of functionalizable and biodegradable polymers via ringâ€opening polymerization of 5â€benzyloxyâ€trimethylene carbonate and $\hat{\mu}$ â€caprolactone. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2204-2210.	1.3	8
71	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.	2.9	8
72	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> , 2022, 611, 462-471.	5.0	8

#	ARTICLE	IF	CITATIONS
73	Ultrasensitive DNA Methylation Ratio Detection Based on the Target-Induced Nanoparticle-Coupling and Site-Specific Base Oxidation Damage for Colorectal Cancer. <i>Analytical Chemistry</i> , 2022, 94, 6261-6270.	3.2	8
74	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.	5.0	6
75	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.	1.2	6
76	Controllable Preparation of Ternary Superparamagnetic Nanoparticles Dual-Doped with Mn and Zn Elements. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8437-8442.	0.9	5
77	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, 349-354.	0.9	5
78	Preparation and Properties of Supermagnetic Calcium Phosphate Composite Scaffold. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2013, 28, 79-84.	0.6	5
79	Magnetic MXene/PAMAM Composites with Flexible Dimensional Regulation for Highly Effective Enrichment of Phosphopeptides. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2494-2508.	3.2	5
80	Interaction of Nucleic Acids with Metal-Organic Framework Nanosheets by Fluorescence Spectroscopy and Molecular Dynamics Simulations. <i>ACS Applied Bio Materials</i> , 2022, 5, 3500-3508.	2.3	5
81	Uniform Superparamagnetic Fe ₃ O ₄ /CMCS Composite Nanospheres for Lysozyme Adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2233-2238.	0.9	4
82	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.	2.9	4
83	Magnetic polymer nanomaterials for sample pretreatment in proteomics. <i>Materials Advances</i> , 2021, 2, 2200-2215.	2.6	4
84	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.	4.0	4
85	Artificial cell membrane camouflaged immunomagnetic nanoparticles for enhanced circulating tumor cell isolation. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3119-3125.	2.9	4
86	The polymeric crystallinity effect on the responses of bone marrow stromal cells. <i>E-Polymers</i> , 2009, 9, .	1.3	3
87	pH-responsive superstructures prepared via the assembly of Fe ₃ O ₄ amphiphilic Janus nanoparticles. <i>International Journal of Energy Production and Management</i> , 2018, 5, 251-259.	1.9	3
88	POLY(L-GLUTAMIC ACID) DENDRON BASED pH SENSITIVE DRUG CARRIER WITH MAGNETIC NANOPARTICLE CORE. <i>Acta Polymerica Sinica</i> , 2011, 011, 679-686.	0.0	3
89	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.	5.2	2
90	Fabrication of hollow-structured composite microspheres with amphiphilic and superparamagnetic properties. <i>RSC Advances</i> , 2016, 6, 14077-14083.	1.7	2

#	ARTICLE	IF	CITATIONS
91	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.	2.0	2
92	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.	0.6	2
93	Dynamic biological interfaces functionalized fructose-responsive immunomagnetic beads for high-efficient and high-purity exosome enrichment. <i>Materials and Design</i> , 2022, 213, 110366.	3.3	2
94	Hydrophilic magnetic covalent triazine frameworks for differential N-glycopeptides enrichment in breast cancer plasma membranes. <i>Journal of Materials Chemistry B</i> , 2022, 10, 717-727.	2.9	1