

Fang Lan

List of Publications by Year in descending order

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55
papers

1,449
citations

279701
23
h-index

345118
36
g-index

55
all docs

55
docs citations

55
times ranked

2043
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Magnetic responsive hydroxyapatite composite scaffolds construction for bone defect repairation. International Journal of Nanomedicine, 2012, 7, 3365. | 3.3 | 108 |
| 2 | Protein Corona of Magnetic Hydroxyapatite Scaffold Improves Cell Proliferation via Activation of Mitogen-Activated Protein Kinase Signaling Pathway. ACS Nano, 2017, 11, 3690-3704. | 7.3 | 94 |
| 3 | Boronic Acid-Functionalized Magnetic Metal-Organic Frameworks via a Dual-Ligand Strategy for Highly Efficient Enrichment of Phosphopeptides and Glycopeptides. ACS Sustainable Chemistry and Engineering, 2019, 7, 6043-6052. | 3.2 | 88 |
| 4 | Immuno-modified superparamagnetic nanoparticles via host-guest interactions for high-purity capture and mild release of exosomes. Nanoscale, 2018, 10, 14280-14289. | 2.8 | 80 |
| 5 | 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. Journal of Nanoparticle Research, 2011, 13, 5135-5145. | 0.8 | 73 |
| 6 | Multi-affinity sites of magnetic guanidyl-functionalized metal-organic framework nanospheres for efficient enrichment of global phosphopeptides. Nanoscale, 2018, 10, 8391-8396. | 2.8 | 58 |
| 7 | Glutathione-Functionalized Magnetic Covalent Organic Framework Microspheres with Size Exclusion for Endogenous Glycopeptide Recognition in Human Saliva. ACS Applied Materials & Interfaces, 2019, 11, 47218-47226. | 4.0 | 54 |
| 8 | Facile synthesis of monodisperse superparamagnetic Fe ₃ O ₄ /PMMA composite nanospheres with high magnetization. Nanotechnology, 2011, 22, 225604. | 1.3 | 51 |
| 9 | Leukocyte-Repelling Biomimetic Immunomagnetic Nanoplatform for High-Performance Circulating Tumor Cells Isolation. Small, 2019, 15, e1900558. | 5.2 | 48 |
| 10 | Two-staged time-dependent materials for the prevention of implant-related infections. Acta Biomaterialia, 2020, 101, 128-140. | 4.1 | 48 |
| 11 | pH-Responsive magnetic metal-organic framework nanocomposites for selective capture and release of glycoproteins. Nanoscale, 2017, 9, 527-532. | 2.8 | 47 |
| 12 | Synthesis of superparamagnetic Fe ₃ O ₄ /PMMA/SiO ₂ nanorattles with periodic mesoporous shell for lysozyme adsorption. Nanoscale, 2012, 4, 2264. | 2.8 | 41 |
| 13 | Multifunctional luminescent immuno-magnetic nanoparticles: toward fast, efficient, cell-friendly capture and recovery of circulating tumor cells. Journal of Materials Chemistry B, 2019, 7, 393-400. | 2.9 | 36 |
| 14 | Synergic effect of magnetic nanoparticles on the electrospun aligned superparamagnetic nanofibers as a potential tissue engineering scaffold. RSC Advances, 2013, 3, 879-886. | 1.7 | 30 |
| 15 | The essential role of osteoclast-derived exosomes in magnetic nanoparticle-infiltrated hydroxyapatite scaffold modulated osteoblast proliferation in an osteoporosis model. Nanoscale, 2020, 12, 8720-8726. | 2.8 | 29 |
| 16 | A magnetic-dependent protein corona of tailor-made superparamagnetic iron oxides alters their biological behaviors. Nanoscale, 2016, 8, 7544-7555. | 2.8 | 28 |
| 17 | Polydopamine-based superparamagnetic molecularly imprinted polymer nanospheres for efficient protein recognition. Colloids and Surfaces B: Biointerfaces, 2014, 123, 213-218. | 2.5 | 27 |
| 18 | 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. Journal of Biomaterials Applications, 2018, 32, 1071-1082. | 1.2 | 26 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Dynamic protein corona influences immune-modulating osteogenesis in magnetic nanoparticle (MNP)-infiltrated bone regeneration scaffolds in vivo. <i>Nanoscale</i> , 2019, 11, 6817-6827. | 2.8 | 24 |
| 23 | PAMAM- <i>P</i> MAA 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 |
| 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, 413-418. | 2.5 | 23 |
| 25 | PAMA- <i>Arg</i> 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | A colloidal assembly approach to synthesize magnetic porous composite nanoclusters for efficient protein adsorption. <i>Nanoscale</i> , 2015, 7, 17617-17622. | 2.8 | 19 |
| 29 | 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 |
| 30 | 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 |
| 31 | Conformational changes of adsorbed and free proteins on magnetic nanoclusters. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 664-672. | 2.5 | 18 |
| 32 | Bifunctional magnetic covalent organic framework for simultaneous enrichment of phosphopeptides and glycopeptides. <i>Analytica Chimica Acta</i> , 2021, 1177, 338761. | 2.6 | 18 |
| 33 | Hollow superparamagnetic PLGA/Fe ₃ O ₄ composite microspheres for lysozyme adsorption. <i>Nanotechnology</i> , 2014, 25, 085702. | 1.3 | 17 |
| 34 | Superparamagnetic nanocomposites based on surface imprinting for biomacromolecular recognition. <i>Materials Science and Engineering C</i> , 2017, 70, 1076-1080. | 3.8 | 15 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | Facile Preparation of a Lithium-Ion Battery Separator with Thermal Shutdown Function Based on Polypropylene/Polyethylene Microsphere Composites. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18530-18539. | 1.8 | 11 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 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. | 5.0 | 6 |
| 46 | 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 |
| 47 | Interaction of Nucleic Acids with Metalâ€Organic Framework Nanosheets by Fluorescence Spectroscopy and Molecular Dynamics Simulations. <i>ACS Applied Bio Materials</i> , 2022, 5, 3500-3508. | 2.3 | 5 |
| 48 | 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 |
| 49 | Magnetic polymer nanomaterials for sample pretreatment in proteomics. <i>Materials Advances</i> , 2021, 2, 2200-2215. | 2.6 | 4 |
| 50 | Metalâ€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 |
| 51 | pH-responsive superstructures prepared via the assembly of Fe ₃ O ₄ amphipathic Janus nanoparticles. <i>International Journal of Energy Production and Management</i> , 2018, 5, 251-259. | 1.9 | 3 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | Facile Preparation of a Trilayer Separator with a Shutdown Function Based on the Compounding of Î²-Crystal Polypropylene and Hydrogenated Petroleum Resin. Industrial & Engineering Chemistry Research, 2022, 61, 9015-9024. | 1.8 | 0 |