

# Mingyu Ding

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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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.

51  
papers

1,081  
citations

19  
h-index

31  
g-index

53  
ext. papers

1,279  
ext. citations

6.7  
avg, IF

4.65  
L-index

#	Paper	IF	Citations
51	Mussel Inspired Trigger-Detachable Adhesive Hydrogel.. <i>Small</i> , <b>2022</b> , e2200336	11	3
50	Composable microfluidic spinning platforms for facile production of biomimetic perfusable hydrogel microtubes. <i>Nature Protocols</i> , <b>2021</b> , 16, 937-964	18.8	13
49	Multi-shell nanocomposites based multienzyme mimetics for efficient intracellular antioxidation. <i>Nano Research</i> , <b>2021</b> , 14, 2644-2653	10	9
48	Nitrite-Responsive Hydrogel: Smart Drug Release Depending on the Severity of the Nitric Oxide-Related Disease. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51185-51197	9.5	4
47	A facile method to synthesize magnetic nanoparticles chelated with Copper(II) for selective adsorption of bovine hemoglobin. <i>Korean Journal of Chemical Engineering</i> , <b>2020</b> , 37, 1097-1106	2.8	3
46	Efficient water-mediated synthesis of bismuth oxyiodide with several distinct morphologies. <i>CrystEngComm</i> , <b>2020</b> , 22, 1754-1761	3.3	1
45	Designed Fabrication of Polymer-Mediated MOF-Derived Magnetic Hollow Carbon Nanocages for Specific Isolation of Bovine Hemoglobin. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 1387-1396	5.5	10
44	Construction of copper (II) affinity- DTPA functionalized magnetic composite for efficient adsorption and specific separation of bovine hemoglobin from bovine serum. <i>Composites Part B: Engineering</i> , <b>2020</b> , 198, 108248	10	4
43	Selective separation of bovine hemoglobin using magnetic mesoporous rare-earth silicate microspheres. <i>Talanta</i> , <b>2019</b> , 204, 792-801	6.2	14
42	Fabrication of Yb-Immobilized Hydrophilic Phytic-Acid-Coated Magnetic Nanocomposites for the Selective Separation of Bovine Hemoglobin from Bovine Serum. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 2740-2749	5.5	15
41	Polymer-Assisted Hierarchically Bulky Imprinted Microparticles for Enhancing the Selective Enrichment of Proteins.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 388-396	4.1	3
40	Necklace-Like Microfibers with Variable Knots and Perfusable Channels Fabricated by an Oil-Free Microfluidic Spinning Process. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705082	24	58
39	In-syringe solid-phase extraction for on-site sampling of pyrethroids in environmental water samples. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1009, 48-55	6.6	30
38	Metal-organic framework based in-syringe solid-phase extraction for the on-site sampling of polycyclic aromatic hydrocarbons from environmental water samples. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 1856-1863	3.4	14
37	A Microfluidic Hydrogel Chip with Orthogonal Dual Gradients of Matrix Stiffness and Oxygen for Cytotoxicity Test. <i>Biochip Journal</i> , <b>2018</b> , 12, 93-101	4	28
36	3D Porous Carbon Framework Stabilized Ultra-Uniform Nano Fe O : A Useful Catalyst System. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 89-98	4.5	19
35	Hydrogel microfibers with perfusable folded channels for tissue constructs with folded morphology.. <i>RSC Advances</i> , <b>2018</b> , 8, 23475-23480	3.7	17

34	Metallo-supramolecular polymer engineered porous carbon framework encapsulated stable ultra-small nanoparticles: a general approach to construct highly dispersed catalysts. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16680-16689	13	20
33	Preparation of magnetic microspheres functionalized by lanthanide oxides for selective isolation of bovine hemoglobin. <i>Talanta</i> , <b>2018</b> , 190, 210-218	6.2	19
32	A porous graphene sorbent coated with titanium(IV)-functionalized polydopamine for selective lab-in-syringe extraction of phosphoproteins and phosphopeptides. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 316	5.8	36
31	A novel solvent-free strategy for the synthesis of bismuth oxyhalides. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13005-13011	13	24
30	Simultaneous Assay of Oxygen-Dependent Cytotoxicity and Genotoxicity of Anticancer Drugs on an Integrated Microchip. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11899-11907	7.8	18
29	Three-dimensional hierarchical porous graphene aerogel for efficient adsorption and preconcentration of chemical warfare agents. <i>Carbon</i> , <b>2017</b> , 122, 556-563	10.4	44
28	Bioinspired Microfibers with Embedded Perfusable Helical Channels. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701664	6.4	74
27	Amino acid-modified graphene oxide magnetic nanocomposite for the magnetic separation of proteins. <i>RSC Advances</i> , <b>2017</b> , 7, 30109-30117	3.7	22
26	Evaluation of Graphene Aerogel Monolith-Based Solid-Phase Extraction for the Separation of Pyrethroids from Water Samples. <i>Chromatographia</i> , <b>2017</b> , 80, 1781-1787	2.1	8
25	Microfibers: Bioinspired Microfibers with Embedded Perfusable Helical Channels (Adv. Mater. 34/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	1
24	One-Step Facile Synthesis of Aptamer-Modified Graphene Oxide for Highly Specific Enrichment of Human A-Thrombin in Plasma. <i>Sensors</i> , <b>2017</b> , 17,	3.8	5
23	Double-Network Hydrogel with Tunable Mechanical Performance and Biocompatibility for the Fabrication of Stem Cells-Encapsulated Fibers and 3D Assemble. <i>Scientific Reports</i> , <b>2016</b> , 6, 33462	4.9	33
22	Self-made microextraction by packed sorbent device for the cleanup of polychlorinated biphenyls from bovine serum. <i>Journal of Separation Science</i> , <b>2016</b> , 39, 1518-23	3.4	6
21	Single-Cell-Arrayed Agarose Chip for in Situ Analysis of Cytotoxicity and Genotoxicity of DNA Cross-Linking Agents. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6734-42	7.8	20
20	Magnetic metal-organic frameworks for selective enrichment and exclusion of proteins for MALDI-TOF MS analysis. <i>Analyst, The</i> , <b>2016</b> , 141, 4568-72	5	14
19	A microfluidic chip of multiple-channel array with various oxygen tensions for drug screening. <i>Microfluidics and Nanofluidics</i> , <b>2016</b> , 20, 1	2.8	14
18	Preparation and retention mechanism exploration of mesostructured cellular foam silica as stationary phase for high performance liquid chromatography. <i>Talanta</i> , <b>2016</b> , 149, 187-193	6.2	6
17	Graphene aerogel based monolith for effective solid-phase extraction of trace environmental pollutants from water samples. <i>Journal of Chromatography A</i> , <b>2016</b> , 1447, 39-46	4.5	49

16	Hyphenated differential mobility spectrometry for rapid separation and detection. <i>Reviews in Analytical Chemistry</i> , <b>2016</b> , 35, 29-40	2.3	1
15	Protection effect of nicotinamide on cardiomyoblast hypoxia/re-oxygenation injury: study of cellular mitochondrial metabolism. <i>Molecular BioSystems</i> , <b>2016</b> , 12, 2257-64		8
14	Metal-organic frameworks@graphene hybrid aerogels for solid-phase extraction of non-steroidal anti-inflammatory drugs and selective enrichment of proteins. <i>Analyst, The</i> , <b>2016</b> , 141, 4219-26	5	70
13	One-step synthesis of sub-2 $\mu$ m vinyl functionalized silica sphere as stationary phase for liquid chromatography. <i>Talanta</i> , <b>2015</b> , 134, 425-434	6.2	4
12	One-step synthesis of magnetic graphene oxide nanocomposite and its application in magnetic solid phase extraction of heavy metal ions from biological samples. <i>Talanta</i> , <b>2015</b> , 132, 557-63	6.2	147
11	Research on the interaction of hydrogen-bond acidic polymer sensitive sensor materials with chemical warfare agents simulants by inverse gas chromatography. <i>Sensors</i> , <b>2015</b> , 15, 12884-90	3.8	0
10	One-pot synthesis of UiO-66@SiO <sub>2</sub> shell@core microspheres as stationary phase for high performance liquid chromatography. <i>RSC Advances</i> , <b>2015</b> , 5, 1043-1050	3.7	71
9	Selective enrichment of proteins for MALDI-TOF MS analysis based on molecular imprinting. <i>Chemical Communications</i> , <b>2015</b> , 51, 3541-4	5.8	38
8	Synthesis and characterization of hydrogen-bond acidic functionalized graphene. <i>Functional Materials Letters</i> , <b>2014</b> , 07, 1450043	1.2	2
7	Portable solid phase micro-extraction coupled with ion mobility spectrometry system for on-site analysis of chemical warfare agents and simulants in water samples. <i>Sensors</i> , <b>2014</b> , 14, 20963-74	3.8	11
6	Silver(I) ion detection in aqueous media based on off-on fluorescent probe. <i>Analytical Methods</i> , <b>2012</b> , 4, 342-344	3.2	27
5	Determination of Uric Acid in Human Urine by Ion-exclusion Chromatography with UV Detection Using Pure Water as Mobile Phase. <i>Chinese Journal of Chemistry</i> , <b>2012</b> , 30, 1102-1104	4.9	2
4	Combination of dynamic hollow fiber liquid-phase microextraction with HPLC analysis for the determination of UV filters in cosmetic products. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1627-1634	7.9	7
3	Determination of Glycolate Acid, Mono- and Dichloroacetic Acids in Synthetical Betaine by Anion-exchange Chromatography. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 778-782	4.9	3
2	Determination of Cyanuric Acid in Milk Powder and Swimming Pool Water by Ion-pair Reversed-phase Liquid Chromatography. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 783-786	4.9	1
1	Simultaneous determination of hydroxyanthraquinones in rhubarb and experimental animal bodies by high-performance liquid chromatography. <i>Analytical Sciences</i> , <b>2003</b> , 19, 1163-5	1.7	27