

# Haiou Qu

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,193  
citations

430874

18  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1819  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Polyamidoamine (PAMAM) dendrimers as biocompatible carriers of quinolone antimicrobials: An in vitro study. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 1032-1038.   | 5.5  | 185       |
| 2  | Evaluation of polyamidoamine (PAMAM) dendrimers as drug carriers of anti-bacterial drugs using sulfamethoxazole (SMZ) as a model drug. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 93-98.  | 5.5  | 172       |
| 3  | Water-Dispersible Iron Oxide Magnetic Nanoparticles with Versatile Surface Functionalities. <i>Langmuir</i> , 2011, 27, 2271-2278.  | 3.5  | 107       |
| 4  | Characterization of Nanomaterials. , 2019, , 313-353.   |      | 87        |
| 5  | Capillary Electrophoresis/Inductively-Coupled Plasma-Mass Spectrometry: Development and Optimization of a High Resolution Analytical Tool for the Size-Based Characterization of Nanomaterials in Dietary Supplements. <i>Analytical Chemistry</i> , 2014, 86, 11620-11627.       | 6.5  | 74        |
| 6  | Asymmetric Flow-Field Flow Fractionation Hyphenated ICP-MS as an Alternative to Cloud Point Extraction for Quantification of Silver Nanoparticles and Silver Speciation: Application for Nanoparticles with a Protein Corona. <i>Analytical Chemistry</i> , 2015, 87, 7395-7401.  | 6.5  | 54        |
| 7  | In situ surface functionalization of magnetic nanoparticles with hydrophilic natural amino acids. <i>Inorganica Chimica Acta</i> , 2012, 389, 60-65.  | 2.4  | 53        |
| 8  | Simple Functionalization Strategies for Enhancing Nanoparticle Separation and Recovery with Asymmetric Flow Field Flow Fractionation. <i>Analytical Chemistry</i> , 2015, 87, 1764-1772.  | 6.5  | 48        |
| 9  | Arsenic Speciation in Rice by Capillary Electrophoresis/Inductively Coupled Plasma Mass Spectrometry: Enzyme-Assisted Water-Phase Microwave Digestion. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3153-3160.   | 5.2  | 47        |
| 10 | Controllable <i>in Situ</i> Synthesis of Magnetite Coated Silica-Core Water-Dispersible Hybrid Nanomaterials. <i>Langmuir</i> , 2013, 29, 10573-10578.  | 3.5  | 39        |
| 11 | Labeling Primary Amine Groups in Peptides and Proteins with <i>N</i> -Hydroxysuccinimidyl Ester Modified Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanoparticles Containing Cleavable Disulfide-Bond Linkers. <i>Bioconjugate Chemistry</i> , 2013, 24, 1562-1569.         | 3.6  | 39        |
| 12 | Rapid determination of plasmonic nanoparticle agglomeration status in blood. <i>Biomaterials</i> , 2015, 51, 226-237.   | 11.4 | 37        |
| 13 | Capillary electrophoresis and asymmetric flow field-flow fractionation for size-based separation of engineered metallic nanoparticles: A critical comparative review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 202-212.  | 11.4 | 37        |
| 14 | Surface coating and matrix effect on the electrophoretic mobility of gold nanoparticles: a capillary electrophoresis-inductively coupled plasma mass spectrometry study. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 979-988.                                      | 3.7  | 33        |
| 15 | Capillary electrophoresis coupled with inductively coupled mass spectrometry as an alternative to cloud point extraction based methods for rapid quantification of silver ions and surface coated silver nanoparticles. <i>Journal of Chromatography A</i> , 2016, 1429, 348-353. | 3.7  | 32        |
| 16 | Analytical considerations for measuring the globule size distribution of cyclosporine ophthalmic emulsions. <i>International Journal of Pharmaceutics</i> , 2018, 550, 229-239.   | 5.2  | 28        |
| 17 | One-pot synthesis in polyamines for preparation of water-soluble magnetite nanoparticles with amine surface reactivity. <i>Journal of Materials Chemistry</i> , 2012, 22, 3311.   | 6.7  | 27        |
| 18 | Asymmetric flow field flow fractionation for the characterization of globule size distribution in complex formulations: A cyclosporine ophthalmic emulsion case. <i>International Journal of Pharmaceutics</i> , 2018, 538, 215-222.  | 5.2  | 20        |

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|----|--|-----|-----------|
| 19 | An improved methodology of asymmetric flow field flow fractionation hyphenated with inductively coupled mass spectrometry for the determination of size distribution of gold nanoparticles in dietary supplements. <i>Journal of Chromatography A</i> , 2015, 1420, 92-97. | 3.7 | 19        |
| 20 | Formulation characteristics and in vitro release testing of cyclosporine ophthalmic ointments. <i>International Journal of Pharmaceutics</i> , 2018, 544, 254-264.   | 5.2 | 15        |
| 21 | Importance of material matching in the calibration of asymmetric flow field-flow fractionation: material specificity and nanoparticle surface coating effects on retention time. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.                                    | 1.9 | 11        |
| 22 | A Kinetic Approach to Determining Drug Distribution in Complex Biphasic Systems. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2002-2011.   | 3.3 | 10        |
| 23 | Colorimetric Determination of Polyamidoamine Dendrimers and their Derivates using a Simple and Rapid Ninhydrin Assay. <i>Analytical Letters</i> , 2008, 41, 444-455.   | 1.8 | 8         |
| 24 | Rejection of Commonly Used Electrolytes in Asymmetric Flow Field Flow Fractionation: Effects of Membrane Molecular Weight Cutoff Size, Fluid Dynamics, and Valence of Electrolytes. <i>Langmuir</i> , 2017, 33, 1442-1450.   | 3.5 | 6         |
| 25 | Polyethylene Oxide Molecular Size Determines the Severity of Atypical Thrombotic Microangiopathy in a Guinea Pig Model of Acute Intravenous Exposure. <i>Toxicological Sciences</i> , 2020, 177, 235-247.  | 3.1 | 3         |
| 26 | Adaptive perfusion: An in vitro release test (IVRT) for complex drug products. <i>Journal of Controlled Release</i> , 2021, 333, 65-75.  | 9.9 | 2         |