

Haiou Qu

List of Publications by Year in descending order

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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	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
2	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
3	A Kinetic Approach to Determining Drug Distribution in Complex Biphasic Systems. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2002-2011.	3.3	10
4	Characterization of Nanomaterials. , 2019, , 313-353.		87
5	Formulation characteristics and in vitro release testing of cyclosporine ophthalmic ointments. <i>International Journal of Pharmaceutics</i> , 2018, 544, 254-264.	5.2	15
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Rapid determination of plasmonic nanoparticle agglomeration status in blood. <i>Biomaterials</i> , 2015, 51, 226-237.	11.4	37
15	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
16	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
17	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
18	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

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19	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
20	Labeling Primary Amine Groups in Peptides and Proteins with <i>N</i> -Hydroxysuccinimidyl Ester Modified Fe ₃ O ₄ @SiO ₂ Nanoparticles Containing Cleavable Disulfide-Bond Linkers. <i>Bioconjugate Chemistry</i> , 2013, 24, 1562-1569.	3.6	39
21	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
22	In situ surface functionalization of magnetic nanoparticles with hydrophilic natural amino acids. <i>Inorganica Chimica Acta</i> , 2012, 389, 60-65.	2.4	53
23	Water-Dispersible Iron Oxide Magnetic Nanoparticles with Versatile Surface Functionalities. <i>Langmuir</i> , 2011, 27, 2271-2278.	3.5	107
24	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
25	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
26	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