Florian Meier

List of Publications by Year in descending order

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FLODIAN MELED

#	Article	lF	CITATIONS
1	Multi-endpoint toxicological assessment of polystyrene nano- and microparticles in different biological models in vitro. Toxicology in Vitro, 2019, 61, 104610.	2.4	172
2	Nanoplastic Analysis by Online Coupling of Raman Microscopy and Field-Flow Fractionation Enabled by Optical Tweezers. Analytical Chemistry, 2020, 92, 5813-5820.	6.5	91
3	Impact of silver nanoparticles (AgNP) on soil microbial community depending on functionalization, concentration, exposure time, and soil texture. Environmental Sciences Europe, 2019, 31, .	5.5	59
4	Computational and experimental study on the influence of the porogen on the selectivity of 4-nitrophenol molecularly imprinted polymers. Analytica Chimica Acta, 2012, 744, 68-74.	5.4	58
5	Effect of Protein Corona on Silver Nanoparticle Stabilization and Ion Release Kinetics in Artificial Seawater. Environmental Science & Technology, 2017, 51, 1259-1266.	10.0	55
6	Investigation of zinc oxide particles in cosmetic products by means of centrifugal and asymmetrical flow field-flow fractionation. Journal of Chromatography A, 2017, 1515, 196-208.	3.7	35
7	Role of rain intensity and soil colloids in the retention of surfactant-stabilized silver nanoparticles in soil. Environmental Pollution, 2018, 238, 1027-1034.	7.5	34
8	Nanoparticle separation with a miniaturized asymmetrical flow field-flow fractionation cartridge. Frontiers in Chemistry, 2015, 3, 45.	3.6	28
9	Asymmetric flow field flow fractionation methods for virus purification. Journal of Chromatography A, 2016, 1469, 108-119.	3.7	23
10	A comprehensive chemoselective and enantioselective 2D-HPLC set-up for fast enantiomer analysis of a multicomponent mixture of derivatized amino acids. Analytical and Bioanalytical Chemistry, 2007, 388, 1717-1724.	3.7	21
11	A novel extraction device for efficient clean-up of molecularly imprinted polymers. Analytical Methods, 2012, 4, 2296.	2.7	20
12	Fast and Purification-Free Characterization of Bio-Nanoparticles in Biological Media by Electrical Asymmetrical Flow Field-Flow Fractionation Hyphenated with Multi-Angle Light Scattering and Nanoparticle Tracking Analysis Detection. Molecules, 2020, 25, 4703.	3.8	18
13	Analysis of complex particle mixtures by asymmetrical flow field-flow fractionation coupled to inductively coupled plasma time-of-flight mass spectrometry. Journal of Chromatography A, 2021, 1641, 461981.	3.7	17
14	Inverse supercritical fluid extraction as a sample preparation method for the analysis of the nanoparticle content in sunscreen agents. Journal of Chromatography A, 2016, 1440, 31-36.	3.7	16
15	Effect of ultrasonication on the size distribution and stability of cellulose nanocrystals in suspension: an asymmetrical flow field-flow fractionation study. Cellulose, 2021, 28, 10221-10238.	4.9	13
16	A novel approach for the direct determination of residual template molecules in molecularly imprinted polymer matrices. Analytical Methods, 2012, 4, 2755.	2.7	12
17	Measurement of TiO ₂ Nanoscale Ingredients in Sunscreens by Multidetector AF4, TEM, and spICP-MS Supported by Computational Modeling. ACS Applied Nano Materials, 2021, 4, 4665-4675.	5.0	11
18	Halophilic viruses with varying biochemical and biophysical properties are amenable to purification with asymmetrical flow field-flow fractionation. Extremophiles, 2017, 21, 1119-1132.	2.3	10

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19	Integration of Inverse Supercritical Fluid Extraction and Miniaturized Asymmetrical Flow Field-Flow Fractionation for the Rapid Analysis of Nanoparticles in Sunscreens. Analytical Chemistry, 2018, 90, 3189-3195.	6.5	8
20	Asymmetrical flow field-flow fractionation in purification of an enveloped bacteriophage "•6. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1095, 251-257.	2.3	8
21	Comparison of Miniaturized and Conventional Asymmetrical Flow Field-Flow Fractionation (AF4) Channels for Nanoparticle Separations. Separations, 2017, 4, 8.	2.4	6
22	Novel platform for the multidimensional analysis of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2021, 518, 167443.	2.3	6
23	Novel Benchtop Magnetic Particle Spectrometer for Process Monitoring of Magnetic Nanoparticle Synthesis. Nanomaterials, 2020, 10, 2277.	4.1	5
24	Influence of Physicochemical Characteristics and Stability of Gold and Silver Nanoparticles on Biological Effects and Translocation across an Intestinal Barrier—A Case Study from In Vitro to In Silico. Nanomaterials, 2021, 11, 1358.	4.1	4
25	Fluorescence Labeling of Cellulose Nanocrystals—A Facile and Green Synthesis Route. Polymers, 2022, 14, 1820.	4.5	4
26	Asymmetrical Flow Field-Flow Fractionation for Sizing of Gold Nanoparticles in Suspension. Journal of Visualized Experiments, 2020, , .	0.3	3
27	Benchmarking the ACEnano Toolbox for Characterisation of Nanoparticle Size and Concentration by Interlaboratory Comparisons. Molecules, 2021, 26, 5315.	3.8	2
28	Spurensuche im Fluss. Nachrichten Aus Der Chemie, 2016, 64, 1168-1171.	0.0	0
29	Automation and Standardization—A Coupled Approach towards Reproducible Sample Preparation Protocols for Nanomaterial Analysis. Molecules, 2022, 27, 985.	3.8	0