

# Florian Meier

## List of Publications by Year in descending order

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29  
papers

747  
citations

623188

14  
h-index

525886

27  
g-index

30  
all docs

30  
docs citations

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times ranked

1125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-endpoint toxicological assessment of polystyrene nano- and microparticles in different biological models in vitro. <i>Toxicology in Vitro</i> , 2019, 61, 104610.	1.1	172
2	Nanoplastic Analysis by Online Coupling of Raman Microscopy and Field-Flow Fractionation Enabled by Optical Tweezers. <i>Analytical Chemistry</i> , 2020, 92, 5813-5820.	3.2	91
3	Impact of silver nanoparticles (AgNP) on soil microbial community depending on functionalization, concentration, exposure time, and soil texture. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	59
4	Computational and experimental study on the influence of the porogen on the selectivity of 4-nitrophenol molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2012, 744, 68-74.	2.6	58
5	Effect of Protein Corona on Silver Nanoparticle Stabilization and Ion Release Kinetics in Artificial Seawater. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1259-1266.	4.6	55
6	Investigation of zinc oxide particles in cosmetic products by means of centrifugal and asymmetrical flow field-flow fractionation. <i>Journal of Chromatography A</i> , 2017, 1515, 196-208.	1.8	35
7	Role of rain intensity and soil colloids in the retention of surfactant-stabilized silver nanoparticles in soil. <i>Environmental Pollution</i> , 2018, 238, 1027-1034.	3.7	34
8	Nanoparticle separation with a miniaturized asymmetrical flow field-flow fractionation cartridge. <i>Frontiers in Chemistry</i> , 2015, 3, 45.	1.8	28
9	Asymmetric flow field flow fractionation methods for virus purification. <i>Journal of Chromatography A</i> , 2016, 1469, 108-119.	1.8	23
10	A comprehensive chemoselective and enantioselective 2D-HPLC set-up for fast enantiomer analysis of a multicomponent mixture of derivatized amino acids. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1717-1724.	1.9	21
11	A novel extraction device for efficient clean-up of molecularly imprinted polymers. <i>Analytical Methods</i> , 2012, 4, 2296.	1.3	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. <i>Molecules</i> , 2020, 25, 4703.	1.7	18
13	Analysis of complex particle mixtures by asymmetrical flow field-flow fractionation coupled to inductively coupled plasma time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1641, 461981.	1.8	17
14	Inverse supercritical fluid extraction as a sample preparation method for the analysis of the nanoparticle content in sunscreen agents. <i>Journal of Chromatography A</i> , 2016, 1440, 31-36.	1.8	16
15	Effect of ultrasonication on the size distribution and stability of cellulose nanocrystals in suspension: an asymmetrical flow field-flow fractionation study. <i>Cellulose</i> , 2021, 28, 10221-10238.	2.4	13
16	A novel approach for the direct determination of residual template molecules in molecularly imprinted polymer matrices. <i>Analytical Methods</i> , 2012, 4, 2755.	1.3	12
17	Measurement of TiO <sub>2</sub> Nanoscale Ingredients in Sunscreens by Multidetector AF4, TEM, and spICP-MS Supported by Computational Modeling. <i>ACS Applied Nano Materials</i> , 2021, 4, 4665-4675.	2.4	11
18	Halophilic viruses with varying biochemical and biophysical properties are amenable to purification with asymmetrical flow field-flow fractionation. <i>Extremophiles</i> , 2017, 21, 1119-1132.	0.9	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. <i>Analytical Chemistry</i> , 2018, 90, 3189-3195.	3.2	8
20	Asymmetrical flow field-flow fractionation in purification of an enveloped bacteriophage $\phi$ 6. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1095, 251-257.	1.2	8
21	Comparison of Miniaturized and Conventional Asymmetrical Flow Field-Flow Fractionation (AF4) Channels for Nanoparticle Separations. <i>Separations</i> , 2017, 4, 8.	1.1	6
22	Novel platform for the multidimensional analysis of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 518, 167443.	1.0	6
23	Novel Benchtop Magnetic Particle Spectrometer for Process Monitoring of Magnetic Nanoparticle Synthesis. <i>Nanomaterials</i> , 2020, 10, 2277.	1.9	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. <i>Nanomaterials</i> , 2021, 11, 1358.	1.9	4
25	Fluorescence Labeling of Cellulose Nanocrystals – A Facile and Green Synthesis Route. <i>Polymers</i> , 2022, 14, 1820.	2.0	4
26	Asymmetrical Flow Field-Flow Fractionation for Sizing of Gold Nanoparticles in Suspension. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	3
27	Benchmarking the ACEnano Toolbox for Characterisation of Nanoparticle Size and Concentration by Interlaboratory Comparisons. <i>Molecules</i> , 2021, 26, 5315.	1.7	2
28	Spurensuche im Fluss. <i>Nachrichten Aus Der Chemie</i> , 2016, 64, 1168-1171.	0.0	0
29	Automation and Standardization – A Coupled Approach towards Reproducible Sample Preparation Protocols for Nanomaterial Analysis. <i>Molecules</i> , 2022, 27, 985.	1.7	0