

Mika LindÃ©n

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

2,985
citations

159585

30
h-index

175258

52
g-index

83
all docs

83
docs citations

83
times ranked

4833
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolution and morphology evolution of mesoporous silica nanoparticles under biologically relevant conditions. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 995-1004.	9.4	11
2	Determination of trace elements in placenta by total reflection X-ray fluorescence spectrometry: effects of sampling and sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2022, , .	3.7	6
3	On the importance of the linking chemistry for the PEGylation of mesoporous silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 453-461.	9.4	29
4	The hidden impact of structural water – how interlayer water largely controls the Raman spectroscopic response of birnessite-type manganese oxide. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18466-18476.	10.3	9
5	Photoactive Titanium Dioxide Films with Embedded Gold Nanoparticles for Quantitative Determination of Mercury Traces in Humic Matter-Containing Freshwaters. <i>Nanomaterials</i> , 2021, 11, 512.	4.1	2
6	Delivery by Dendritic Mesoporous Silica Nanoparticles Enhances the Antimicrobial Activity of a Napsin-Derived Peptide Against Intracellular <i>Mycobacterium tuberculosis</i> . <i>Advanced Healthcare Materials</i> , 2021, 10, e2100453.	7.6	13
7	Atomization of gold nanoparticles in graphite furnace AAS: Modelling and simulative exploration of experimental results. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 182, 106249.	2.9	4
8	Michael Haschke, Jürg Flock, and Michael Haller: X-ray fluorescence spectrometry for laboratory applications. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6455-6456.	3.7	1
9	XRD/Raman spectroscopy studies of the mechanism of (de)intercalation of Na ⁺ from/into highly crystalline birnessite. <i>Materials Advances</i> , 2021, 2, 3940-3953.	5.4	13
10	Determination of activation energies for atomization of gold nanoparticles in graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 173, 105976.	2.9	5
11	Silica nanoparticles: A promising platform for enhanced oral delivery of macromolecules. <i>Journal of Controlled Release</i> , 2020, 326, 544-555.	9.9	75
12	Redox-Sensitive Glyoxalase 1 Up-Regulation Is Crucial for Protecting Human Lung Cells from Gold Nanoparticles Toxicity. <i>Antioxidants</i> , 2020, 9, 697.	5.1	10
13	In Vitro Evaluation of a Peptide-Mesoporous Silica Nanoparticle Drug Release System against HIV-1. <i>Inorganics</i> , 2020, 8, 42.	2.7	5
14	Characterization of various metal nanoparticles by graphite furnace atomic absorption spectrometry: possibilities and limitations with regard to size and shape. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2536-2544.	3.0	10
15	In vitro Targetability Validation of Peptide-Functionalized Mesoporous Silica Nanoparticles in the Presence of Serum Proteins. <i>Frontiers in Chemistry</i> , 2020, 8, 603616.	3.6	2
16	Multi-Modal PET and MR Imaging in the Hen's Egg Test-Chorioallantoic Membrane (HET-CAM) Model for Initial In Vivo Testing of Target-Specific Radioligands. <i>Cancers</i> , 2020, 12, 1248.	3.7	18
17	Macrophage-HFE controls iron metabolism and immune responses in aged mice. <i>Haematologica</i> , 2020, 106, 259-263.	3.5	7
18	Total reflection X-ray fluorescence spectrometry for trace determination of iron and some additional elements in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6419-6429.	3.7	10

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19	Sub-chronic palladium nanoparticle effects on the endocrine reproductive system of female Wistar rats: Preliminary data. <i>Toxicology and Industrial Health</i> , 2019, 35, 403-409.	1.4	7
20	Biphenyl-Bridged Organosilica as a Precursor for Mesoporous Silicon Oxycarbide and Its Application in Lithium and Sodium Ion Batteries. <i>Nanomaterials</i> , 2019, 9, 754.	4.1	12
21	Sustainable and reagent-free mercury trace determination in natural waters using nanogold dipsticks. <i>Microchemical Journal</i> , 2019, 147, 253-262.	4.5	6
22	The eastern extent of seasonal iron limitation in the high latitude North Atlantic Ocean. <i>Scientific Reports</i> , 2019, 9, 1435.	3.3	17
23	Effective delivery of the anti-mycobacterial peptide NZX in mesoporous silica nanoparticles. <i>PLoS ONE</i> , 2019, 14, e0212858.	2.5	66
24	Sizing silver nanoparticles in chicken meat using direct slurry sampling graphite furnace atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4551-4558.	3.7	10
25	Quantitative ¹⁹ F MRI of perfluoro-15-crown-5-ether using uniformity correction of the spin excitation and signal reception. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 25-36.	2.0	13
26	Mesoporous Silica-gold Films for Straightforward, Highly Reproducible Monitoring of Mercury Traces in Water. <i>Nanomaterials</i> , 2019, 9, 35.	4.1	9
27	Palladium nanoparticle effects on endocrine reproductive system of female rats. <i>Human and Experimental Toxicology</i> , 2018, 37, 1069-1079.	2.2	14
28	Targeting murine leukemic stem cells by antibody functionalized mesoporous silica nanoparticles. <i>Scientific Reports</i> , 2018, 8, 989.	3.3	52
29	Template-Derived Submicrometric Carbon Spheres for Lithium-Sulfur and Sodium-Ion Battery Electrodes. <i>Energy Technology</i> , 2018, 6, 1797-1804.	3.8	13
30	Subchronic exposure to palladium nanoparticles affects serum levels of cytokines in female Wistar rats. <i>Human and Experimental Toxicology</i> , 2018, 37, 309-320.	2.2	15
31	Scavenging Reactive Oxygen Species Production Normalizes Ferroportin Expression and Ameliorates Cellular and Systemic Iron Disbalances in Hemolytic Mouse Model. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 484-499.	5.4	21
32	Investigation of the atomization mechanism of gold nanoparticles in graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 150, 26-32.	2.9	13
33	Biodistribution and Excretion of Intravenously Injected Mesoporous Silica Nanoparticles: Implications for Drug Delivery Efficiency and Safety. <i>The Enzymes</i> , 2018, 43, 155-180.	1.7	34
34	Comparison of different cytotoxicity assays for in vitro evaluation of mesoporous silica nanoparticles. <i>Toxicology in Vitro</i> , 2018, 52, 214-221.	2.4	51
35	Green Chemistry in Red Emulsion: Interface of Dye Stabilized Emulsions as a Powerful Platform for the Formation of sub-20-nm SiO ₂ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24310-24319.	8.0	8
36	Mobility of traffic-related Pd and Pt species in soils evaluated by sequential extraction. <i>Environmental Pollution</i> , 2018, 242, 1119-1127.	7.5	12

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37	Retention and remobilization mechanisms of environmentally aged silver nanoparticles in an artificial riverbank filtration system. <i>Science of the Total Environment</i> , 2018, 645, 192-204.	8.0	26
38	Selective Binding of Inhibitor-Assisted Surface-Imprinted Core/Shell Microbeads in Protein Mixtures. <i>ChemistrySelect</i> , 2018, 3, 4277-4282.	1.5	7
39	Determination of traffic-related palladium in tunnel dust and roadside soil. <i>Science of the Total Environment</i> , 2017, 583, 169-175.	8.0	28
40	Sizing gold nanoparticles using graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 723-730.	3.0	22
41	The influence of the central acceptor unit on the optoelectronic properties and photovoltaic performance of A-D-A-type co-oligomers. <i>Organic Chemistry Frontiers</i> , 2017, 4, 755-766.	4.5	8
42	A new method for quasi-reagent-free biomonitoring of mercury in human urine. <i>Analytica Chimica Acta</i> , 2017, 965, 63-71.	5.4	7
43	In vitro evaluation of the potential toxic effects of palladium nanoparticles on fibroblasts and lung epithelial cells. <i>Toxicology in Vitro</i> , 2017, 42, 191-199.	2.4	38
44	Serum Protein Adsorption Enhances Active Leukemia Stem Cell Targeting of Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18566-18574.	8.0	36
45	Control of Nanoparticle Release Kinetics from 3D Printed Hydrogel Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4623-4628.	13.8	53
46	Super-Resolution Microscopy Unveils Dynamic Heterogeneities in Nanoparticle Protein Corona. <i>Small</i> , 2017, 13, 1701631.	10.0	109
47	Influence of mesopore size and peptide aggregation on the adsorption and release of a model antimicrobial peptide onto/from mesoporous silica nanoparticles in vitro. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 393-400.	3.4	18
48	Highly Transparent w/o Pickering Emulsions without Adjusting the Refractive Index of the Stabilizing Particles. <i>Langmuir</i> , 2017, 33, 10302-10310.	3.5	5
49	Solid-phase extraction of Cu ²⁺ and Pb ²⁺ from waters using new thermally treated chitosan/polyacrylamide thin films; adsorption kinetics and thermodynamics. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 965-982.	3.3	10
50	Preparation of efficient oligomer-based bulk-heterojunction solar cells from eco-friendly solvents. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9920-9928.	5.5	17
51	Cargo-influences on the biodistribution of hollow mesoporous silica nanoparticles as studied by quantitative ¹⁹ F-magnetic resonance imaging. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 1-9.	9.4	39
52	Assessing the potential of inorganic anions (Cl ⁻ , NO ₃ ⁻ , SO ₄ ²⁻ and PO ₄ ³⁻) to increase the bioaccessibility of emitted palladium in the environment: Experimental studies with soils and a Pd model substance. <i>Environmental Pollution</i> , 2017, 220, 1050-1058.	7.5	25
53	Analytical strategies to the determination of metal-containing nanoparticles in environmental waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 107-120.	11.4	60
54	Inhibiting Notch Activity in Breast Cancer Stem Cells by Glucose Functionalized Nanoparticles Carrying I ³ -secretase Inhibitors. <i>Molecular Therapy</i> , 2016, 24, 926-936.	8.2	91

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55	Dissolution kinetics of mesoporous silica nanoparticles in different simulated body fluids. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 319-327.	2.4	90
56	Membrane interactions of mesoporous silica nanoparticles as carriers of antimicrobial peptides. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 161-170.	9.4	142
57	The influence of alkyl side chains on molecular packing and solar cell performance of dithienopyrrole-based oligothiophenes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10514-10523.	10.3	21
58	Mesoporous silica nanoparticles in tissue engineering – a perspective. <i>Nanomedicine</i> , 2016, 11, 391-402.	3.3	83
59	Nanomaterial-based strategies for enhanced mercury trace analysis in environmental and drinking waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 280-292.	11.4	54
60	Geochemical behaviour of palladium in soils and Pd/PdO model substances in the presence of the organic complexing agents L-methionine and citric acid. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 22-31.	3.5	16
61	A direct solid sampling analysis method for the detection of silver nanoparticles in biological matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 295-305.	3.7	31
62	Intermediate pickering emulsion formation as a means for synthesizing hollow mesoporous silica nanoparticles. <i>New Journal of Chemistry</i> , 2016, 40, 4217-4222.	2.8	11
63	Targeting of Leukemic Stem Cells By Antibody Functionalized Mesoporous Silica Nanoparticles in a Mouse Model of CALM-AF10 Positive Acute Myeloid Leukemia. <i>Blood</i> , 2016, 128, 4713-4713.	1.4	2
64	Functional tuning of oligothiophenes: the effect of solvent vapor annealing on blend morphology and solar cell performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13738-13748.	10.3	32
65	Uptake, effects, and regeneration of barley plants exposed to gold nanoparticles. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8549-8558.	5.3	80
66	Hydrophobization of marble pore surfaces using a total immersion treatment method – Product selection and optimization of concentration and treatment time. <i>Progress in Organic Coatings</i> , 2015, 85, 159-167.	3.9	20
67	The effects of palladium nanoparticles on the renal function of female Wistar rats. <i>Nanotoxicology</i> , 2015, 9, 843-851.	3.0	38
68	Nanogold-Decorated Silica Monoliths as Highly Efficient Solid-Phase Adsorbent for Ultratrace Mercury Analysis in Natural Waters. <i>Analytical Chemistry</i> , 2015, 87, 11122-11129.	6.5	21
69	Exposure to Palladium Nanoparticles Affects Serum Levels of Cytokines in Female Wistar Rats. <i>PLoS ONE</i> , 2015, 10, e0143801.	2.5	27
70	Palladium Nanoparticles Induce Disturbances in Cell Cycle Entry and Progression of Peripheral Blood Mononuclear Cells: Paramount Role of Ions. <i>Journal of Immunology Research</i> , 2014, 2014, 1-8.	2.2	51
71	Detection of silver nanoparticles in parsley by solid sampling high-resolution continuum source atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3887-3894.	3.7	44
72	Efficiency Improvement of Solution-Processed Dithienopyrrole-Based Oligothiophene Bulk-Heterojunction Solar Cells by Solvent Vapor Annealing. <i>Advanced Energy Materials</i> , 2014, 4, 1400266.	19.5	144

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73	Comparative study of alkylthiols and alkylamines for the phase transfer of gold nanoparticles from an aqueous phase to n-hexane. <i>Journal of Colloid and Interface Science</i> , 2013, 397, 199-205.	9.4	13
74	Independent Fine-Tuning of the Intrawall Porosity and Primary Mesoporosity of SBA-15. <i>Chemistry of Materials</i> , 2013, 25, 1989-1997.	6.7	35
75	Ligand-Assisted Extraction for Separation and Preconcentration of Gold Nanoparticles from Waters. <i>Analytical Chemistry</i> , 2012, 84, 4340-4349.	6.5	58
76	Ultra-trace determination of mercury in river waters after online UV digestion of humic matter. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2419-2428.	3.7	20
77	Methods for the determination and speciation of mercury in natural waters—A review. <i>Analytica Chimica Acta</i> , 2010, 663, 127-138.	5.4	434
78	Analysis of total dissolved mercury in waters after on-line preconcentration on an active gold column. <i>Talanta</i> , 2010, 81, 1529-1535.	5.5	33
79	Gold-Coated Silica as a Preconcentration Phase for the Determination of Total Dissolved Mercury in Natural Waters Using Atomic Fluorescence Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 3421-3428.	6.5	115
80	Activated gold surfaces for the direct preconcentration of mercury species from natural waters. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 767.	3.0	43
81	Preparation and characterization of Pd/Al ₂ O ₃ and Pd nanoparticles as standardized test material for chemical and biochemical studies of traffic related emissions. <i>Science of the Total Environment</i> , 2008, 394, 177-182.	8.0	15
82	A new fully automated on-line digestion system for ultra trace analysis of mercury in natural waters by means of FI-CV-AFS. <i>Talanta</i> , 2008, 76, 382-388.	5.5	48
83	Long-term study of palladium in road tunnel dust and sewage sludge ash. <i>Environmental Pollution</i> , 2008, 156, 341-347.	7.5	62