

Dorota Bartczak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	920 citations	17 h-index	27 g-index
27 ext. papers	1,104 ext. citations	5.6 avg, IF	4.27 L-index

#	Paper	IF	Citations
25	An insight into the determination of size and number concentration of silver nanoparticles in blood using single particle ICP-MS (spICP-MS): feasibility of application to samples relevant to in vivo toxicology studies. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1180-1192	3.7	3
24	Characterisation of inorganic nanomaterials in complex samples by hyphenated field-flow fractionation. <i>Comprehensive Analytical Chemistry</i> , 2021 , 93, 103-119	1.9	1
23	The accurate determination of number concentration of inorganic nanoparticles using spICP-MS with the dynamic mass flow approach. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 1832-1839	3.7	22
22	Single particle inductively coupled plasma mass spectrometry (spICP-MS) 2020 , 65-77		4
21	Sticky Measurement Problem: Number Concentration of Agglomerated Nanoparticles. <i>Langmuir</i> , 2019 , 35, 4927-4935	4	13
20	Number Concentration of Gold Nanoparticles in Suspension: SAXS and spICPMS as Traceable Methods Compared to Laboratory Methods. <i>Nanomaterials</i> , 2019 , 9,	5.4	15
19	Changes in silica nanoparticles upon internalisation by cells: size, aggregation/agglomeration state, mass- and number-based concentrations. <i>Toxicology Research</i> , 2018 , 7, 172-181	2.6	4
18	Measuring the relative concentration of particle populations using differential centrifugal sedimentation. <i>Analytical Methods</i> , 2018 , 10, 2647-2657	3.2	15
17	A comparison of techniques for size measurement of nanoparticles in cell culture medium. <i>Analytical Methods</i> , 2016 , 8, 5272-5282	3.2	37
16	Label-free monitoring of the nanoparticle surface modification effects on cellular uptake, trafficking and toxicity. <i>Toxicology Research</i> , 2015 , 4, 169-176	2.6	9
15	A systematic comparison of different techniques to determine the zeta potential of silica nanoparticles in biological medium. <i>Analytical Methods</i> , 2015 , 7, 9835-9843	3.2	38
14	Reference materials and representative test materials to develop nanoparticle characterization methods: the NanoChOp project case. <i>Frontiers in Chemistry</i> , 2015 , 3, 56	5	19
13	Nanoparticles for inhibition of in vitro tumour angiogenesis: synergistic actions of ligand function and laser irradiation. <i>Biomaterials Science</i> , 2015 , 3, 733-41	7.4	19
12	Determination of size- and number-based concentration of silica nanoparticles in a complex biological matrix by online techniques. <i>Analytical Chemistry</i> , 2015 , 87, 5482-5	7.8	38
11	The potential of asymmetric flow field-flow fractionation hyphenated to multiple detectors for the quantification and size estimation of silica nanoparticles in a food matrix. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3919-27	4.4	65
10	Manipulation of in vitro angiogenesis using peptide-coated gold nanoparticles. <i>ACS Nano</i> , 2013 , 7, 5628-36	16.7	73
9	Interactions of human endothelial cells with gold nanoparticles of different morphologies. <i>Small</i> , 2012 , 8, 122-30	11	97

8	High Optical Nonlinearity of Nematic Liquid Crystals Doped with Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12934-12939	3.8	23
7	Exocytosis of peptide functionalized gold nanoparticles in endothelial cells. <i>Nanoscale</i> , 2012 , 4, 4470-2	7.7	68
6	Laser-induced damage and recovery of plasmonically targeted human endothelial cells. <i>Nano Letters</i> , 2011 , 11, 1358-63	11.5	44
5	Preparation of peptide-functionalized gold nanoparticles using one pot EDC/sulfo-NHS coupling. <i>Langmuir</i> , 2011 , 27, 10119-23	4	177
4	Receptor-mediated interactions between colloidal gold nanoparticles and human umbilical vein endothelial cells. <i>Small</i> , 2011 , 7, 388-94	11	47
3	Diacetylene-containing ligand as a new capping agent for the preparation of water-soluble colloidal nanoparticles of remarkable stability. <i>Langmuir</i> , 2010 , 26, 7072-7	4	25
2	Programmed assembly of peptide-functionalized gold nanoparticles on DNA templates. <i>Langmuir</i> , 2010 , 26, 13760-2	4	33
1	Controlling the three-dimensional morphology of nanocrystals. <i>CrystEngComm</i> , 2010 , 12, 4312	3.3	25