Christoffer Ãberg

List of Publications by Year
in descending order

44	7,577	331670 21	276875 41
papers	citations	h-index	g-index

45	45	45	11138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomolecular coronas provide the biological identity of nanosized materials. Nature Nanotechnology, 2012, 7, 779-786.	31.5	2,274
2	Transferrin-functionalized nanoparticles lose their targeting capabilities when a biomolecule corona adsorbs on the surface. Nature Nanotechnology, 2013, 8, 137-143.	31.5	1,516
3	Effects of the Presence or Absence of a Protein Corona on Silica Nanoparticle Uptake and Impact on Cells. ACS Nano, 2012, 6, 5845-5857.	14.6	918
4	Nanoparticle Adhesion to the Cell Membrane and Its Effect on Nanoparticle Uptake Efficiency. Journal of the American Chemical Society, 2013, 135, 1438-1444.	13.7	670
5	Role of cell cycle on the cellular uptake and dilution of nanoparticles in a cell population. Nature Nanotechnology, 2012, 7, 62-68.	31.5	526
6	Mapping protein binding sites on the biomolecular corona of nanoparticles. Nature Nanotechnology, 2015, 10, 472-479.	31.5	312
7	Experimental and theoretical comparison of intracellular import of polymeric nanoparticles and small molecules: toward models of uptake kinetics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 818-826.	3.3	268
8	Quantifying size-dependent interactions between fluorescently labeled polystyrene nanoparticles and mammalian cells. Journal of Nanobiotechnology, 2012, 10, 39.	9.1	116
9	Imaging Approach to Mechanistic Study of Nanoparticle Interactions with the Bloodâ€“Brain Barrier. ACS Nano, 2014, 8, 4304-4312.	14.6	113
10	Nanoparticle accumulation and transcytosis in brain endothelial cell layers. Nanoscale, 2013, 5, 11153.	5.6	104
11	How should the completeness and quality of curated nanomaterial data be evaluated?. Nanoscale, 2016, 8, 9919-9943.	5.6	86
12	Low Dose of Amino-Modified Nanoparticles Induces Cell Cycle Arrest. ACS Nano, 2013, 7, 7483-7494.	14.6	82
13	Suppression of nanoparticle cytotoxicity approaching in vivo serum concentrations: limitations of in vitro testing for nanosafety. Nanoscale, 2014, 6, 14180-14184.	5.6	81
14	Design and Properties of Genetically Encoded Probes for Sensing Macromolecular Crowding. Biophysical Journal, 2017, 112, 1929-1939.	0.5	61
15	Quantitative measurement of nanoparticle uptake by flow cytometry illustrated by an interlaboratory comparison of the uptake of labelled polystyrene nanoparticles. NanoImpact, 2018, 9, 42-50.	4.5	47
16	Paracrine signalling of inflammatory cytokines from an in vitro blood brain barrier model upon exposure to polymeric nanoparticles. Analyst, The, 2014, 139, 923-930.	3.5	37
17	Stability versus exchange: a paradox in DNA replication. Nucleic Acids Research, 2016, 44, 4846-4854.	14.5	36
18	Imaging of nanoparticle uptake and kinetics of intracellular trafficking in individual cells. Nanoscale, 2021, 13, 10436-10446.	5.6	28

#	Article	IF	Citations
19	Theoretical framework for nanoparticle uptake and accumulation kinetics in dividing cell populations. Europhysics Letters, 2013, 101, 38007.	2.0	26
20	Low uptake of silica nanoparticles in Caco-2 intestinal epithelial barriers. Beilstein Journal of Nanotechnology, 2017, 8, 1396-1406.	2.8	23
21	Transport Processes in Responding Lipid Membranes: A Possible Mechanism for the pH Gradient in the Stratum Corneum. Langmuir, 2008, 24, 8061-8070.	3.5	21
22	Timeâ€Resolved Quantification of Nanoparticle Uptake, Distribution, and Impact in Precisionâ€Cut Liver Slices. Small, 2020, 16, e1906523.	10.0	19
23	Kinetics of nanoparticle uptake into and distribution in human cells. Nanoscale Advances, 2021, 3, 2196-2212.	4.6	19
24	Nonequilibrium Phase Transformations at the Airâ"Liquid Interface. Langmuir, 2009, 25, 12177-12184.	3.5	16
25	Sources of variability in nanoparticle uptake by cells. Nanoscale, 2021, 13, 17530-17546.	5.6	16
26	Quantitative analysis of nanoparticle transport through in vitro blood-brain barrier models. Tissue Barriers, 2016, 4, e1143545.	3.2	14
27	Reply to 'The interface of nanoparticles with proliferating mammalian cells'. Nature Nanotechnology, 2017, 12, 600-603.	31.5	14
28	Glass-like characteristics of intracellular motion in human cells. Biophysical Journal, 2021, 120, 2355-2366.	0.5	14
29	Clinical Value of Emerging Bioanalytical Methods for Drug Measurements: A Scoping Review of Their Applicability for Medication Adherence and Therapeutic Drug Monitoring. Drugs, 2021, 81, 1983-2002.	10.9	14
30	Trajectory-Based Co-Localization Measures for Nanoparticle-Cell Interaction Studies. Small, 2015, 11, 2026-2031.	10.0	13
31	Diffusional transport in responding lipid membranes. Soft Matter, 2009, 5, 3225.	2.7	11
32	A theoretical study of diffusional transport over the alveolar surfactant layer. Journal of the Royal Society Interface, 2010, 7, 1403-1410.	3.4	11
33	Spatial and Structural Metrics for Living Cells Inspired by Statistical Mechanics. Scientific Reports, 2016, 6, 34457.	3.3	11
34	Asymmetry of nanoparticle inheritance upon cell division: Effect on the coefficient of variation. PLoS ONE, 2020, 15, e0242547.	2.5	11
35	Drug Transport in Responding Lipid Membranes Can Be Regulated by an External Osmotic Gradient. Langmuir, 2005, 21, 10307-10310.	3.5	10
36	Lipid phase behaviour under steady state conditions. Faraday Discussions, 2013, 161, 151-166.	3.2	9

#	Article	IF	Citations
37	Reciprocal upregulation of scavenger receptors complicates interpretation of nanoparticle uptake in non-phagocytic cells. Nanoscale, 2017, 9, 11261-11268.	5.6	9
38	Responding double-porous lipid membrane: Lyotropic phases in a polymer scaffold. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 549-558.	2.6	8
39	Simultaneous Exposure of Different Nanoparticles Influences Cell Uptake. Pharmaceutics, 2022, 14, 136.	4.5	8
40	Coupled transport processes in responding membranes: the case of a single gradient. Physical Chemistry Chemical Physics, 2009, 11, 9075.	2.8	3
41	Correction to Low Dose of Amino-Modified Nanoparticles Induces Cell Cycle Arrest. ACS Nano, 2013, 7, 10433-10433.	14.6	2
42	Lyotropic Lipid Phases Confined in Cylindrical Pores: Structure and Permeability. Journal of Physical Chemistry B, 2011, 115, 14450-14461.	2.6	0
43	Quantification of Macromolecular Crowding in Living Cells. Biophysical Journal, 2016, 110, 368a.	0.5	0
44	Single-molecule localisation microscopy: accounting for chance co-localisation between foci in bacterial cells. European Biophysics Journal, 2021, 50, 941-950.	2.2	0