

Tommy Cedervall

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8261117/tommy-cedervall-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

59
papers

9,360
citations

28
h-index

62
g-index

62
ext. papers

10,376
ext. citations

6.1
avg, IF

5.96
L-index

#	Paper	IF	Citations
59	Size fractionation of high-density polyethylene breakdown nanoplastics reveals different toxic response in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2022 , 12, 3109	4.9	2
58	Adsorption of bio-organic eco-corona molecules reduces the toxic response to metallic nanoparticles in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2021 , 11, 10784	4.9	3
57	Transfer of Cobalt Nanoparticles in a Simplified Food Web: From Algae to Zooplankton to Fish. <i>Applied Nano</i> , 2021 , 2, 184-205	1	1
56	Nanomaterials in the European chemicals legislation [methodological challenges for registration and environmental safety assessment. <i>Environmental Science: Nano</i> , 2021 , 8, 731-747	7.1	3
55	Understanding the Lipid and Protein Corona Formation on Different Sized Polymeric Nanoparticles. <i>Scientific Reports</i> , 2020 , 10, 1129	4.9	68
54	Controlled protein mediated aggregation of polystyrene nanoplastics does not reduce toxicity towards <i>Daphnia magna</i> . <i>Environmental Science: Nano</i> , 2020 , 7, 1518-1524	7.1	4
53	Long-term exposure to nanoplastics reduces life-time in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2020 , 10, 5979	4.9	36
52	Dual topography of laminin corona on gallium arsenide nanowires. <i>Biointerphases</i> , 2020 , 15, 051007	1.8	
51	Three Decades of Research about the Corona Around Nanoparticles: Lessons Learned and Where to Go Now. <i>Small</i> , 2020 , 16, e2000892	11	9
50	Nanoplastics formed during the mechanical breakdown of daily-use polystyrene products. <i>Nanoscale Advances</i> , 2019 , 1, 1055-1061	5.1	101
49	Analysis of complexes formed by small gold nanoparticles in low concentration in cell culture media. <i>PLoS ONE</i> , 2019 , 14, e0218211	3.7	12
48	Workshop on Environmental Nanosafety: Biological Interactions of Plastic Nanoparticles. <i>Journal of Chemical Education</i> , 2019 , 96, 1967-1970	2.4	1
47	Autocatalytic amplification of Alzheimer-associated A β 2 peptide aggregation in human cerebrospinal fluid. <i>Communications Biology</i> , 2019 , 2, 365	6.7	28
46	Analysis of nanoparticle biomolecule complexes. <i>Nanoscale</i> , 2018 , 10, 4246-4257	7.7	33
45	Long-term effects of tungsten carbide (WC) nanoparticles in pelagic and benthic aquatic ecosystems. <i>Nanotoxicology</i> , 2018 , 12, 79-89	5.3	12
44	Disaggregation of gold nanoparticles by. <i>Nanotoxicology</i> , 2018 , 12, 885-900	5.3	8
43	Nanoparticle effect on neutrophil produced myeloperoxidase. <i>PLoS ONE</i> , 2018 , 13, e0191445	3.7	8

42	Real-time in situ analysis of biocorona formation and evolution on silica nanoparticles in defined and complex biological environments. <i>Nanoscale</i> , 2017 , 9, 3620-3628	7.7	31
41	Tungsten carbide nanoparticles in simulated surface water with natural organic matter: dissolution, agglomeration, sedimentation and interaction with <i>Daphnia magna</i> . <i>Environmental Science: Nano</i> , 2017 , 4, 886-894	7.1	14
40	The nanoparticle protein corona formed in human blood or human blood fractions. <i>PLoS ONE</i> , 2017 , 12, e0175871	3.7	112
39	A Method for Investigation of Size-Dependent Protein Binding to Nanoholes Using Intrinsic Fluorescence of Proteins. <i>ACS Omega</i> , 2017 , 2, 4772-4778	3.9	2
38	Brain damage and behavioural disorders in fish induced by plastic nanoparticles delivered through the food chain. <i>Scientific Reports</i> , 2017 , 7, 11452	4.9	281
37	Electron microscopy imaging of proteins on gallium phosphide semiconductor nanowires. <i>Nanoscale</i> , 2016 , 8, 3936-43	7.7	8
36	Possibilities of Using Fetal Hemoglobin as a Platform for Producing Hemoglobin-Based Oxygen Carriers (HBOCs). <i>Advances in Experimental Medicine and Biology</i> , 2016 , 876, 445-453	3.6	16
35	Translocation of 40 nm diameter nanowires through the intestinal epithelium of <i>Daphnia magna</i> . <i>Nanotoxicology</i> , 2016 , 10, 1160-7	5.3	22
34	Mathematical Modeling of the Protein Corona: Implications for Nanoparticulate Delivery Systems. <i>Frontiers in Nanobiomedical Research</i> , 2016 , 53-65		
33	Analysis of nanoparticle-protein coronas formed in vitro between nanosized welding particles and nasal lavage proteins. <i>Nanotoxicology</i> , 2016 , 10, 226-34	5.3	22
32	Analysis of the length distribution of amyloid fibrils by centrifugal sedimentation. <i>Analytical Biochemistry</i> , 2016 , 504, 7-13	3.1	10
31	IgG and fibrinogen driven nanoparticle aggregation. <i>Nano Research</i> , 2015 , 8, 2733-2743	10	58
30	Altered behavior, physiology, and metabolism in fish exposed to polystyrene nanoparticles. <i>Environmental Science & Technology</i> , 2015 , 49, 553-61	10.3	292
29	Size-dependent effects of nanoparticles on enzymes in the blood coagulation cascade. <i>Nano Letters</i> , 2014 , 14, 4736-44	11.5	58
28	Mathematical modeling of the protein corona: implications for nanoparticulate delivery systems. <i>Nanomedicine</i> , 2014 , 9, 851-8	5.6	19
27	Silver and gold nanoparticles exposure to in vitro cultured retina--studies on nanoparticle internalization, apoptosis, oxidative stress, glial- and microglial activity. <i>PLoS ONE</i> , 2014 , 9, e105359	3.7	72
26	Direct deposition of gas phase generated aerosol gold nanoparticles into biological fluids--corona formation and particle size shifts. <i>PLoS ONE</i> , 2013 , 8, e74702	3.7	7
25	Delivery success rate of engineered nanoparticles in the presence of the protein corona: a systems-level screening. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 1271-81	6	33

24	Calcium-dependent interaction of calmodulin with human 80S ribosomes and polyribosomes. <i>Biochemistry</i> , 2012 , 51, 6718-27	3.2	6
23	Biocompatibility of mannan nanogel--safe interaction with plasma proteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 1043-51	4	24
22	Polystyrene nanoparticles affecting blood coagulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 981-6	6	58
21	Food chain transport of nanoparticles affects behaviour and fat metabolism in fish. <i>PLoS ONE</i> , 2012 , 7, e32254	3.7	293
20	Structural changes in apolipoproteins bound to nanoparticles. <i>Langmuir</i> , 2011 , 27, 14360-9	4	88
19	The evolution of the protein corona around nanoparticles: a test study. <i>ACS Nano</i> , 2011 , 5, 7503-9	16.7	612
18	Rapid and Facile Purification of Apolipoprotein A-I from Human Plasma Using Thermoresponsive Nanoparticles. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011 , 02, 258-266	1	8
17	Modeling the time evolution of the nanoparticle-protein corona in a body fluid. <i>PLoS ONE</i> , 2010 , 5, e10949	3.7	237
16	Protein Interactions with Microballoons: Consequences for Biocompatibility and Application as Contrast Agents 2010 , 53-66		3
15	Complete high-density lipoproteins in nanoparticle corona. <i>FEBS Journal</i> , 2009 , 276, 3372-81	5.7	221
14	Nanoparticle size and surface properties determine the protein corona with possible implications for biological impacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 14265-70	11.5	2257
13	Understanding the nanoparticle-protein corona using methods to quantify exchange rates and affinities of proteins for nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2050-5	11.5	2316
12	Detailed identification of plasma proteins adsorbed on copolymer nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5754-6	16.4	653
11	Detailed Identification of Plasma Proteins Adsorbed on Copolymer Nanoparticles. <i>Angewandte Chemie</i> , 2007 , 119, 5856-5858	3.6	67
10	The nanoparticle-protein complex as a biological entity; a complex fluids and surface science challenge for the 21st century. <i>Advances in Colloid and Interface Science</i> , 2007 , 134-135, 167-74	14.3	540
9	Calbindin D28k EF-hand ligand binding and oligomerization: four high-affinity sites--three modes of action. <i>Biochemistry</i> , 2005 , 44, 13522-32	3.2	7
8	Redox sensitive cysteine residues in calbindin D28k are structurally and functionally important. <i>Biochemistry</i> , 2005 , 44, 684-93	3.2	19
7	Deamidation and disulfide bridge formation in human calbindin D28k with effects on calcium binding. <i>Protein Science</i> , 2005 , 14, 968-79	6.3	18

6	A lupus-like syndrome develops in mice lacking the Ro 60-kDa protein, a major lupus autoantigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 7503-8	11.5	121
5	Heat elution chromatography of immunoglobulins. <i>Protein Expression and Purification</i> , 2003 , 30, 301-3	2	
4	The La protein. <i>Annual Review of Biochemistry</i> , 2002 , 71, 375-403	29.1	337
3	Alpha1-microglobulin chromophores are located to three lysine residues semiburied in the lipocalin pocket and associated with a novel lipophilic compound. <i>Protein Science</i> , 1999 , 8, 2611-20	6.3	33
2	Coiled-coil structure of group A streptococcal M proteins. Different temperature stability of class A and C proteins by hydrophobic-nonhydrophobic amino acid substitutions at heptad positions a and d. <i>Biochemistry</i> , 1997 , 36, 4987-94	3.2	32
1	Processing and secretion of rat alpha 1-microglobulin-bikunin expressed in eukaryotic cell lines. <i>FEBS Letters</i> , 1994 , 354, 57-61	3.8	22