

Christie M Sayes

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5042999/christie-m-sayes-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.

105
papers

9,053
citations

33
h-index

95
g-index

115
ext. papers

9,746
ext. citations

5.6
avg, IF

5.99
L-index

#	Paper	IF	Citations
105	Engineered aluminum nanoparticle induces mitochondrial deformation and is predicated on cell phenotype.. <i>Nanotoxicology</i> , 2022 , 1-18	5.3	0
104	Synergistic cytotoxicity of bromoacetic acid and three emerging bromophenolic disinfection byproducts against human intestinal and neuronal cells. <i>Chemosphere</i> , 2022 , 287, 131794	8.4	0
103	Fluorescently Labeled Cellulose Nanofibers for Environmental Health and Safety Studies. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
102	Are Honey Bees at Risk from Microplastics?. <i>Toxics</i> , 2021 , 9,	4.7	5
101	Ferrate(VI) pretreatment of water containing natural organic matter, bromide, and iodide: A potential strategy to control soluble lead release from PbO(s). <i>Chemosphere</i> , 2021 , 263, 128035	8.4	10
100	The link between delivered aerosol dose and inflammatory responses: Exposing a lung Cell Co-Culture system to selected Allergens and irritants. <i>Journal of Aerosol Science</i> , 2021 , 151, 105677	4.3	1
99	Addition of lemon before boiling chlorinated tap water: A strategy to control halogenated disinfection byproducts. <i>Chemosphere</i> , 2021 , 263, 127954	8.4	9
98	Characterization of a Human In Vitro Intestinal Model for the Hazard Assessment of Nanomaterials Used in Cancer Immunotherapy. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2113	2.6	2
97	Nanoliposomal Delivery of MicroRNA-203 Suppresses Migration of Triple-Negative Breast Cancer through Distinct Target Suppression. <i>Non-coding RNA</i> , 2021 , 7,	7.1	1
96	Physical, chemical, and toxicological characterization of fibrillated forms of cellulose using an gastrointestinal digestion and co-culture model. <i>Toxicology Research</i> , 2020 , 9, 290-301	2.6	8
95	Copper, silver, and titania nanoparticles do not release ions under anoxic conditions and release only minute ion levels under oxic conditions in water: Evidence for the low toxicity of nanoparticles. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1319-1328	13.3	17
94	A 90-day dietary study with fibrillated cellulose in Sprague-Dawley rats. <i>Toxicology Reports</i> , 2020 , 7, 174-182	4.82	18
93	Determining the Biological Mechanisms of Action for Environmental Exposures: Applying CRISPR/Cas9 to Toxicological Assessments. <i>Toxicological Sciences</i> , 2020 , 175, 5-18	4.4	3
92	Effects of ascorbate and carbonate on the conversion and developmental toxicity of halogenated disinfection byproducts during boiling of tap water. <i>Chemosphere</i> , 2020 , 254, 126890	8.4	12
91	Physical, chemical, and toxicological characterization of sulfated cellulose nanocrystals for food-related applications using and strategies. <i>Toxicology Research</i> , 2020 , 9, 808-822	2.6	6
90	Silver Nanoparticles Agglomerate Intracellularly Depending on the Stabilizing Agent: Implications for Nanomedicine Efficacy. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
89	Differential Cytotoxicity of Haloaromatic Disinfection Byproducts and Lead Co-exposures against Human Intestinal and Neuronal Cells. <i>Chemical Research in Toxicology</i> , 2020 , 33, 2401-2407	4	1

88	Nanotoxicology: Developing a Responsible Technology. <i>Women in Engineering and Science</i> , 2020 , 43-55	0.5	4
87	Ferrate(VI) pretreatment before disinfection: An effective approach to controlling unsaturated and aromatic halo-disinfection byproducts in chlorinated and chloraminated drinking waters. <i>Environment International</i> , 2020 , 138, 105641	12.9	24
86	Refining In Vitro Toxicity Models: Comparing Baseline Characteristics of Lung Cell Types. <i>Toxicological Sciences</i> , 2019 , 168, 302-314	4.4	11
85	An Adverse Outcome Pathway Linking Organohalogen Exposure to Mitochondrial Disease. <i>Journal of Toxicology</i> , 2019 , 2019, 9246495	3.1	1
84	Synthesis and characterization of nanometer-sized liposomes for encapsulation and microRNA transfer to breast cancer cells. <i>International Journal of Nanomedicine</i> , 2019 , 14, 5159-5173	7.3	28
83	The potential exposure and hazards of copper nanoparticles: A review. <i>Environmental Toxicology and Pharmacology</i> , 2019 , 71, 103220	5.8	101
82	Fifteen years of nanoEHS research advances science and fosters a vibrant community. <i>Nature Nanotechnology</i> , 2019 , 14, 996-998	28.7	10
81	Sample preparation utilizing sputter coating increases contrast of cellulose nanocrystals in the transmission electron microscope. <i>Microscopy (Oxford, England)</i> , 2019 , 68, 471-474	1.3	
80	Perspectives for Characterizing Drug Component of Theranostic Products Containing Nanomaterials. <i>Bioanalysis</i> , 2019 , 301-316	0.5	
79	Interactions between silver nanoparticles and other metal nanoparticles under environmentally relevant conditions: A review. <i>Science of the Total Environment</i> , 2019 , 653, 1042-1051	10.2	66
78	Consumer Products Containing Nanomaterials 2018 , 351-387		1
77	Differences among Unique Nanoparticle Protein Corona Constructs: A Case Study Using Data Analytics and Multi-Variant Visualization to Describe Physicochemical Characteristics. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2669	2.6	9
76	Optimizing a Test Bed System to Assess Human Respiratory Safety After Exposure to Chemical and Particle Aerosolization. <i>Applied in Vitro Toxicology</i> , 2018 , 4, 193-201	1.3	1
75	Impact of metal ions, metal oxides, and nanoparticles on the formation of disinfection byproducts during chlorination. <i>Chemical Engineering Journal</i> , 2017 , 317, 777-792	14.7	53
74	Characterizing the Nano-Bio Interface Using Microscopic Techniques: Imaging the Cell System is Just as Important as Imaging the Nanoparticle System. <i>Current Protocols in Chemical Biology</i> , 2017 , 9, 213-231	1.8	1
73	Cytotoxicological pathways induced after nanoparticle exposure: studies of oxidative stress at the 'nano-bio' interface. <i>Toxicology Research</i> , 2017 , 6, 580-594	2.6	19
72	Nanomaterial Drug Products: Manufacturing and Analytical Perspectives. <i>AAPS Journal</i> , 2017 , 19, 18-25	3.7	13
71	5. Certification: Validating Workers' Competence in Nano-safety 2017 , 108-120		1

70	Aerosol generation and characterization of multi-walled carbon nanotubes exposed to cells cultured at the air-liquid interface. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 20	8.4	32
69	Nanoarray Bionanotechnology 2016 , 619-648		2
68	Expert consensus on an in vitro approach to assess pulmonary fibrogenic potential of aerosolized nanomaterials. <i>Archives of Toxicology</i> , 2016 , 90, 1769-83	5.8	41
67	UV light induces Ag nanoparticle formation: roles of natural organic matter, iron, and oxygen. <i>Environmental Chemistry Letters</i> , 2016 , 14, 353-357	13.3	19
66	Data dialogues: critical connections for designing and implementing future nanomaterial research. <i>Environment Systems and Decisions</i> , 2015 , 35, 76-87	4.1	1
65	Surface plasmon resonance: a label-free tool for cellular analysis. <i>Nanomedicine</i> , 2015 , 10, 1833-46	5.6	27
64	Perspectives on the design of safer nanomaterials and manufacturing processes. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 366	2.3	41
63	Summary report of PQRI Workshop on Nanomaterial in Drug Products: current experience and management of potential risks. <i>AAPS Journal</i> , 2015 , 17, 44-64	3.7	19
62	Nanotoxicology: Determining Nano-Bio Interactions and Evaluating Toxicity Using In vitro Models 2015 , 85-110		3
61	Routes of Exposure to Nanoparticles: Hazard Tests Related to Portal Entries 2015 , 41-54		7
60	Particle uptake efficiency is significantly affected by type of capping agent and cell line. <i>Journal of Applied Toxicology</i> , 2015 , 35, 1114-21	4.1	17
59	Effects of a novel pesticide-particle conjugate on viability and reactive oxygen species generation in neuronal (PC12) cells. <i>Drug and Chemical Toxicology</i> , 2015 , 38, 205-11	2.3	1
58	Physicochemical Characteristics of Two Prototypical Home-Use Consumer Products Containing Engineered Nanomaterials 2015 , 05,		2
57	Scale of health: indices of safety and efficacy in the evolving environment of large biological datasets. <i>Pharmaceutical Research</i> , 2014 , 31, 2256-65	4.5	4
56	The Relationships among Structure, Activity, and Toxicity of Engineered Nanoparticles. <i>KONA Powder and Particle Journal</i> , 2014 , 31, 10-21	3.4	15
55	Engineered Nanoparticles Induce DNA Damage in Primary Human Skin Cells, Even at Low Doses. <i>Nano LIFE</i> , 2014 , 04, 1440001	0.9	6
54	Toxicological Issues to Consider When Evaluating the Safety of Consumer Products Containing Nanomaterials 2014 , 77-115		
53	In vitro effects of cilostazol, a phosphodiesterase 3A inhibitor, on mouse oocyte maturation and morphology. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014 , 41, 147-53	3	13

52	Nasal Dry Powder Vaccine Delivery Technology 2014 , 717-726		0
51	Cilostazol administered to female mice induces ovulation of immature oocytes: a contraceptive animal model. <i>Life Sciences</i> , 2014 , 96, 46-52	6.8	11
50	Application of fullerenes in nanomedicine: an update. <i>Nanomedicine</i> , 2013 , 8, 1191-208	5.6	107
49	Cilostazol blocks pregnancy in naturally cycling mice. <i>Contraception</i> , 2013 , 87, 443-8	2.5	17
48	Comparative cytological responses of lung epithelial and pleural mesothelial cells following in vitro exposure to nanoscale SiO ₂ . <i>Toxicology in Vitro</i> , 2013 , 27, 24-33	3.6	38
47	A framework for grouping nanoparticles based on their measurable characteristics. <i>International Journal of Nanomedicine</i> , 2013 , 8 Suppl 1, 45-56	7.3	25
46	Distinct immunomodulatory effects of a panel of nanomaterials in human dermal fibroblasts. <i>Toxicology Letters</i> , 2012 , 210, 293-301	4.4	15
45	A physiologically relevant approach to characterize the microbial response to colloidal particles in food matrices within a simulated gastrointestinal tract. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2971-7	4.7	5
44	PM1 particles at coal- and gas-fired power plant work areas. <i>Annals of Occupational Hygiene</i> , 2012 , 56, 182-93		3
43	Surface functionalization of silver nanoparticles: novel applications for insect vector control. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3779-87	9.5	31
42	Nanoparticle toxicology: measurements of pulmonary hazard effects following exposures to nanoparticles. <i>Methods in Molecular Biology</i> , 2011 , 726, 313-24	1.4	12
41	Quantum dots trigger immunomodulation of the NFB pathway in human skin cells. <i>Molecular Immunology</i> , 2011 , 48, 1349-59	4.3	48
40	Mitigation of quantum dot cytotoxicity by microencapsulation. <i>PLoS ONE</i> , 2011 , 6, e22079	3.7	32
39	Toxicological Studies with Nanoscale Materials 2010 , 3-47		5
38	Pulmonary exposures to Sepiolite nanoclay particulates in rats: resolution following multinucleate giant cell formation. <i>Toxicology Letters</i> , 2010 , 192, 286-93	4.4	29
37	Nanotoxicology 2010 , 707-715		1
36	Internalization of carbon black and maghemite iron oxide nanoparticle mixtures leads to oxidant production. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1874-82	4	33
35	Changing the dose metric for inhalation toxicity studies: short-term study in rats with engineered aerosolized amorphous silica nanoparticles. <i>Inhalation Toxicology</i> , 2010 , 22, 348-54	2.7	57

34	Comparative study of predictive computational models for nanoparticle-induced cytotoxicity. <i>Risk Analysis</i> , 2010 , 30, 1723-34	3.9	90
33	A role for surface reactivity in TiO ₂ and quartz-related nanoparticle pulmonary toxicity. <i>Nanotoxicology</i> , 2009 , 3, 181-187	5.3	20
32	Can in vitro assays substitute for in vivo studies in assessing the pulmonary hazards of fine and nanoscale materials?. <i>Journal of Nanoparticle Research</i> , 2009 , 11, 421-431	2.3	26
31	Characterization of nanomaterials for toxicity assessment. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009 , 1, 660-70	9.2	124
30	Synergistic effect of co-exposure to carbon black and Fe ₂ O ₃ nanoparticles on oxidative stress in cultured lung epithelial cells. <i>Particle and Fibre Toxicology</i> , 2009 , 6, 4	8.4	63
29	Nanoscale and fine zinc oxide particles: can in vitro assays accurately forecast lung hazards following inhalation exposures?. <i>Environmental Science & Technology</i> , 2009 , 43, 7939-45	10.3	116
28	The relationship between pH and zeta potential of ~ 30 nm metal oxide nanoparticle suspensions relevant to in vitro toxicological evaluations. <i>Nanotoxicology</i> , 2009 , 3, 276-283	5.3	223
27	A role for nanoparticle surface reactivity in facilitating pulmonary toxicity and development of a base set of hazard assays as a component of nanoparticle risk management. <i>Inhalation Toxicology</i> , 2009 , 21 Suppl 1, 61-7	2.7	48
26	Health effects related to nanoparticle exposures: environmental, health and safety considerations for assessing hazards and risks 2008 , 120, 35-42		205
25	An in vitro investigation of the differential cytotoxic responses of human and rat lung epithelial cell lines using TiO ₂ nanoparticles. <i>International Journal of Nanotechnology</i> , 2008 , 5, 15	1.5	24
24	Development of a base set of toxicity tests using ultrafine TiO ₂ particles as a component of nanoparticle risk management. <i>Toxicology Letters</i> , 2007 , 171, 99-110	4.4	417
23	Comparative pulmonary toxicity assessments of C60 water suspensions in rats: few differences in fullerene toxicity in vivo in contrast to in vitro profiles. <i>Nano Letters</i> , 2007 , 7, 2399-406	11.5	237
22	Forming biocompatible and nonaggregated nanocrystals in water using amphiphilic polymers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2871-9	16.4	452
21	Pulmonary toxicity study in rats with three forms of ultrafine-TiO ₂ particles: differential responses related to surface properties. <i>Toxicology</i> , 2007 , 230, 90-104	4.4	527
20	Pulmonary bioassay studies with nanoscale and fine-quartz particles in rats: toxicity is not dependent upon particle size but on surface characteristics. <i>Toxicological Sciences</i> , 2007 , 95, 270-80	4.4	245
19	Assessing toxicity of fine and nanoparticles: comparing in vitro measurements to in vivo pulmonary toxicity profiles. <i>Toxicological Sciences</i> , 2007 , 97, 163-80	4.4	610
18	Aqueous dispersion of monodisperse magnetic iron oxide nanocrystals through phase transfer. <i>Nanotechnology</i> , 2006 , 17, 4483-4487	3.4	183
17	Functionalization density dependence of single-walled carbon nanotubes cytotoxicity in vitro. <i>Toxicology Letters</i> , 2006 , 161, 135-42	4.4	740

16	Pulmonary instillation studies with nanoscale TiO ₂ rods and dots in rats: toxicity is not dependent upon particle size and surface area. <i>Toxicological Sciences</i> , 2006 , 91, 227-36	4.4	430
15	Correlating nanoscale titania structure with toxicity: a cytotoxicity and inflammatory response study with human dermal fibroblasts and human lung epithelial cells. <i>Toxicological Sciences</i> , 2006 , 92, 174-85	4.4	688
14	Models for Testing the Pulmonary Toxicity of Particles 2006 , 317-330		1
13	C60 in water: nanocrystal formation and microbial response. <i>Environmental Science & Technology</i> , 2005 , 39, 4307-16	10.3	574
12	Synthesis and self-organization of soluble monodisperse palladium nanoclusters. <i>Journal of Colloid and Interface Science</i> , 2005 , 287, 146-51	9.3	26
11	Nano-C60 cytotoxicity is due to lipid peroxidation. <i>Biomaterials</i> , 2005 , 26, 7587-95	15.6	592
10	Bacterial cell association and antimicrobial activity of a C60 water suspension. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2757-62	3.8	227
9	The Differential Cytotoxicity of Water-Soluble Fullerenes. <i>Nano Letters</i> , 2004 , 4, 1881-1887	11.5	892
8	Terahertz Vibrational Modes of Inverse Micelles. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 6346-6353	3.4	62
7	Asymmetrical, water-soluble phthalocyanine dyes for covalent labeling of oligonucleotides. <i>Bioconjugate Chemistry</i> , 2002 , 13, 1244-52	6.3	39
6	Pseudosymmetry with $Z' = 4$ in 1,3-propanesultone at 100K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999 , 55, 2126-2129		1
5	Developing Bioassay Methods for Evaluating Pulmonary Hazards from Nanoscale or Fine Quartz/Titanium Dioxide Particulate Materials 161-170		
4	Criteria and Implementation of Physical and Chemical Characteristics of Nanomaterials for Human Health Effects and Ecological Toxicity Studies 29-39		
3	Safe Handling of Engineered Nanomaterials: Turning Knowledge Into Practice		1
2	Nano-Exposure Science: How Does Exposure to Engineered Nanomaterials Happen? 343-362		
1	The Role of Oxidative Stress in Nanotoxicology		2