

# Niels Hadrup

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,858  
citations

218677

26  
h-index

168389

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

4543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral toxicity of silver ions, silver nanoparticles and colloidal silver – A review. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 68, 1-7.	2.7	420
2	Distribution of silver in rats following 28 days of repeated oral exposure to silver nanoparticles or silver acetate. <i>Particle and Fibre Toxicology</i> , 2011, 8, 18.	6.2	394
3	Toxicity of silver ions, metallic silver, and silver nanoparticle materials after in vivo dermal and mucosal surface exposure: A review. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 98, 257-267.	2.7	200
4	Quantitative Characterization of Gold Nanoparticles by Field-Flow Fractionation Coupled Online with Light Scattering Detection and Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 2461-2468.	6.5	164
5	Subacute oral toxicity investigation of nanoparticulate and ionic silver in rats. <i>Archives of Toxicology</i> , 2012, 86, 543-551.	4.2	119
6	The similar neurotoxic effects of nanoparticulate and ionic silver in vivo and in vitro. <i>NeuroToxicology</i> , 2012, 33, 416-423.	3.0	114
7	Acute human toxicity and mortality after selenium ingestion: A review. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 58, 126435.	3.0	84
8	Absorption, distribution, metabolism and excretion of selenium following oral administration of elemental selenium nanoparticles or selenite in rats. <i>Metallomics</i> , 2014, 6, 330.	2.4	81
9	Selection of reference genes for quantitative RT-PCR (RT-qPCR) analysis of rat tissues under physiological and toxicological conditions. <i>PeerJ</i> , 2015, 3, e855.	2.0	79
10	Concentration Addition, Independent Action and Generalized Concentration Addition Models for Mixture Effect Prediction of Sex Hormone Synthesis In Vitro. <i>PLoS ONE</i> , 2013, 8, e70490.	2.5	78
11	Fluorochemicals used in food packaging inhibit male sex hormone synthesis. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 132-142.	2.8	75
12	Pulmonary toxicity of silver vapours, nanoparticles and fine dusts: A review. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 115, 104690.	2.7	60
13	Toxicity of boric acid, borax and other boron containing compounds: A review. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 121, 104873.	2.7	50
14	In vitro - in vivo correlations for endocrine activity of a mixture of currently used pesticides. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 757-766.	2.8	47
15	Influence of dispersion medium on nanomaterial-induced pulmonary inflammation and DNA strand breaks: investigation of carbon black, carbon nanotubes and three titanium dioxide nanoparticles. <i>Mutagenesis</i> , 2017, 32, 581-597.	2.6	47
16	Toward Rigorous Materials Production: New Approach Methodologies Have Extensive Potential to Improve Current Safety Assessment Practices. <i>Small</i> , 2020, 16, e1904749.	10.0	43
17	Acute phase response and inflammation following pulmonary exposure to low doses of zinc oxide nanoparticles in mice. <i>Nanotoxicology</i> , 2019, 13, 1275-1292.	3.0	42
18	Pulmonary effects of nanofibrillated celluloses in mice suggest that carboxylation lowers the inflammatory and acute phase responses. <i>Environmental Toxicology and Pharmacology</i> , 2019, 66, 116-125.	4.0	42

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19	Absorption, distribution, metabolism and excretion (ADME) of oral selenium from organic and inorganic sources: A review. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 67, 126801.	3.0	41
20	Acute Phase Response as a Biological Mechanism of Action of (Nano)particle-Induced Cardiovascular Disease. <i>Small</i> , 2020, 16, e1907476.	10.0	37
21	Distinct in vitro interaction pattern of dopamine receptor subtypes with adaptor proteins involved in post-endocytotic receptor targeting. <i>FEBS Letters</i> , 2004, 556, 276-280.	2.8	35
22	Nanoparticulate silver increases uric acid and allantoin excretion in rats, as identified by metabolomics. <i>Journal of Applied Toxicology</i> , 2012, 32, 929-933.	2.8	31
23	Toxicological risk assessment of elemental gold following oral exposure to sheets and nanoparticles – A review. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 72, 216-221.	2.7	30
24	Subacute oral toxicity investigation of selenium nanoparticles and selenite in rats. <i>Drug and Chemical Toxicology</i> , 2019, 42, 76-83.	2.3	28
25	Endocrine disrupting effects in rats perinatally exposed to a dietary relevant mixture of phytoestrogens. <i>Reproductive Toxicology</i> , 2013, 40, 41-51.	2.9	27
26	Pulmonary toxicity of Fe <sub>2</sub> O <sub>3</sub> , ZnFe <sub>2</sub> O <sub>4</sub> , NiFe <sub>2</sub> O <sub>4</sub> and NiZnFe <sub>4</sub> O <sub>8</sub> nanomaterials: Inflammation and DNA strand breaks. <i>Environmental Toxicology and Pharmacology</i> , 2020, 74, 103303.	4.0	27
27	Integrative approach in a safe by design context combining risk, life cycle and socio-economic assessment for safer and sustainable nanomaterials. <i>NanoImpact</i> , 2021, 23, 100335.	4.5	27
28	Identification of Cumulative Assessment Groups of Pesticides. <i>EFSA Supporting Publications</i> , 2012, 9, 269E.	0.7	26
29	Effects of perinatal ethinyl estradiol exposure in male and female Wistar rats. <i>Reproductive Toxicology</i> , 2013, 42, 180-191.	2.9	26
30	LC-MS analysis of the plasma metabolome – A novel sample preparation strategy. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 978-979, 83-88.	2.3	25
31	Effects of 14-day oral low dose selenium nanoparticles and selenite in rats as determined by metabolite pattern determination. <i>PeerJ</i> , 2016, 4, e2601.	2.0	25
32	Safe(r) by design implementation in the nanotechnology industry. <i>NanoImpact</i> , 2020, 20, 100267.	4.5	22
33	In-vivo study of genotoxic and inflammatory effects of the organo-modified Montmorillonite Cloisite® 30B. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 770, 66-71.	1.7	21
34	Opioid receptor-like 1 stimulation in the collecting duct induces aquaresis through vasopressin-independent aquaporin-2 downregulation. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F160-F168.	2.7	20
35	Demeclocycline attenuates hyponatremia by reducing aquaporin-2 expression in the renal inner medulla. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1705-F1718.	2.7	20
36	Commentary: the chronic inhalation study in rats for assessing lung cancer risk may be better than its reputation. <i>Particle and Fibre Toxicology</i> , 2019, 16, 44.	6.2	20

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37	Pulmonary toxicity of synthetic amorphous silica – effects of porosity and copper oxide doping. <i>Nanotoxicology</i> , 2021, 15, 96-113.	3.0	20
38	A computational approach to mechanistic and predictive toxicology of pesticides. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 11-22.	1.5	19
39	Applicability of Computational Systems Biology in Toxicology. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 115, 45-49.	2.5	17
40	Perfluorononanoic acid in combination with 14 chemicals exerts low-dose mixture effects in rats. <i>Archives of Toxicology</i> , 2016, 90, 661-675.	4.2	16
41	Juvenile Male Rats Exposed to a Low-Dose Mixture of Twenty-Seven Environmental Chemicals Display Adverse Health Effects. <i>PLoS ONE</i> , 2016, 11, e0162027.	2.5	16
42	Pulmonary toxicity, genotoxicity, and carcinogenicity evaluation of molybdenum, lithium, and tungsten: A review. <i>Toxicology</i> , 2022, 467, 153098.	4.2	16
43	Perinatal exposure to mixtures of anti-androgenic chemicals causes proliferative lesions in rat prostate. <i>Prostate</i> , 2015, 75, 126-140.	2.3	15
44	Association between a urinary biomarker for exposure to PAH and blood level of the acute phase protein serum amyloid A in coke oven workers. <i>Environmental Health</i> , 2019, 18, 81.	4.0	15
45	Evidence from pharmacology and pathophysiology suggests that chemicals with dissimilar mechanisms of action could be of bigger concern in the toxicological risk assessment of chemical mixtures than chemicals with a similar mechanism of action. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 69, 281-283.	2.7	14
46	Asthma-inducing potential of 28 substances in spray cleaning products – Assessed by quantitative structure activity relationship (QSAR) testing and literature review. <i>Journal of Applied Toxicology</i> , 2022, 42, 130-153.	2.8	14
47	Uncoupling of vasopressin signaling in collecting ducts from rats with CBL-induced liver cirrhosis. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F806-F815.	2.7	13
48	Losartan decreases vasopressin-mediated cAMP accumulation in the thick ascending limb of the loop of Henle in rats with congestive heart failure. <i>Acta Physiologica</i> , 2007, 190, 339-350.	3.8	13
49	Differential Down-Regulation of Aquaporin-2 in Rat Kidney Zones by Peripheral Nociceptin/Orphanin FQ Receptor Agonism and Vasopressin Type-2 Receptor Antagonism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 323, 516-524.	2.5	11
50	Congestive heart failure in rats is associated with increased collecting duct vasopressin sensitivity and vasopressin type 2 receptor reexternalization. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1547-F1554.	2.7	8
51	Safe-by-design strategies for lowering the genotoxicity and pulmonary inflammation of multiwalled carbon nanotubes: Reduction of length and the introduction of COOH groups. <i>Environmental Toxicology and Pharmacology</i> , 2021, 87, 103702.	4.0	7
52	Nociceptin/Orphanin FQ Peptide Receptor Agonist Ac-RYYRWKKKKKKK-NH2 (ZP120) Induces Antinatriuresis in Rats by Stimulation of Amiloride-Sensitive Sodium Reabsorption. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 328, 533-539.	2.5	6
53	Distribution, metabolism, excretion, and toxicity of implanted silver: a review. <i>Drug and Chemical Toxicology</i> , 2022, 45, 2388-2397.	2.3	5
54	Exposure to perfluorononanoic acid combined with a low-dose mixture of 14 human-relevant compounds disturbs energy/lipid homeostasis in rats. <i>Metabolomics</i> , 2015, 11, 1451-1464.	3.0	4

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55	A response to the letter to the editor by Driscoll et al.. Particle and Fibre Toxicology, 2020, 17, 32.	6.2	2