

# Systematic review of potential health risks posed by ph consumer exposures to metallic and nanoscale aluminu hydroxide and its soluble salts

Critical Reviews in Toxicology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A critical review of perfluorooctanoate and perfluorooctanesulfonate exposure and cancer risk in humans. <i>Critical Reviews in Toxicology</i> , 2014, 44, 1-81.	1.9	132
3	Human relevance framework for rodent liver tumors induced by the insecticide sulfoxaflo. <i>Critical Reviews in Toxicology</i> , 2014, 44, 15-24.	1.9	26
4	The Mobilization of Aluminum into the Biosphere. <i>Frontiers in Neurology</i> , 2014, 5, 262.	1.1	25
5	Risk assessment in the 21st century: Roadmap and matrix. <i>Critical Reviews in Toxicology</i> , 2014, 44, 6-16.	1.9	98
6	The use of mode of action information in risk assessment: Quantitative key events/dose-response framework for modeling the dose-response for key events. <i>Critical Reviews in Toxicology</i> , 2014, 44, 17-43.	1.9	65
7	Systematic review of potential health risks posed by pharmaceutical, occupational and consumer exposures to metallic and nanoscale aluminum, aluminum oxides, aluminum hydroxide and its soluble salts. <i>Critical Reviews in Toxicology</i> , 2014, 44, 1-80.	1.9	446
9	The impact of PPAR $\alpha$ activation on whole genome gene expression in human precision cut liver slices. <i>BMC Genomics</i> , 2015, 16, 760.	1.2	68
10	Proteomics analysis of <i>Xenopus laevis</i> gonad tissue following chronic exposure to atrazine. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1770-1777.	2.2	25
11	Probabilistic modelling of prospective environmental concentrations of gold nanoparticles from medical applications as a basis for risk assessment. <i>Journal of Nanobiotechnology</i> , 2015, 13, 93.	4.2	54
12	Assessment Pollutant Exposure through Hair. <i>Pharmaceutical Analytical Chemistry Open Access</i> , 2015, 01, .	0.5	0
13	Effects and mechanism of lipoic acid on beta-amyloid-intoxicated C6 glioma cells. <i>Genetics and Molecular Research</i> , 2015, 14, 13880-13888.	0.3	12
14	Identification of Modulators of the Nuclear Receptor Peroxisome Proliferator-Activated Receptor $\alpha$ (PPAR $\alpha$ ) in a Mouse Liver Gene Expression Compendium. <i>PLoS ONE</i> , 2015, 10, e0112655.	1.1	61
15	Overview of Emerging Contaminants and Associated Human Health Effects. <i>BioMed Research International</i> , 2015, 2015, 1-12.	0.9	133
17	Identification of Chemical Modulators of the Constitutive Activated Receptor (CAR) in a Gene Expression Compendium. <i>Nuclear Receptor Signaling</i> , 2015, 13, nrs.13002.	1.0	77
18	Toxicological Effects of Perfluoroalkyl and Polyfluoroalkyl Substances. <i>Molecular and Integrative Toxicology</i> , 2015, . .	0.5	102
19	PPAR $\alpha$ via HNF4 $\alpha$ regulates the expression of genes encoding hepatic amino acid catabolizing enzymes to maintain metabolic homeostasis. <i>Genes and Nutrition</i> , 2015, 10, 452.	1.2	15
20	Liver Regeneration. , 2015, , 2-11.		1
21	A critical assessment of the methodologies to investigate the role of inhibition of apoptosis in rodent hepatocarcinogenesis. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 192-200.	1.3	1

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22	Mode of action analysis for pesticide-induced rodent liver tumours involving activation of the constitutive androstane receptor: relevance to human cancer risk. <i>Pest Management Science</i> , 2015, 71, 829-834.	1.7	23
23	Contribution of new technologies to characterization and prediction of adverse effects. <i>Critical Reviews in Toxicology</i> , 2015, 45, 172-183.	1.9	33
24	Per- and polyfluorinated substances (PFASs): Environmental challenges. <i>Current Opinion in Colloid and Interface Science</i> , 2015, 20, 192-212.	3.4	207
25	Aluminum-Induced Kinesin Inactivation as Potential Molecular Cause of Impairment of Neuronal Transport Processes. <i>Chemical Research in Toxicology</i> , 2015, 28, 1275-1281.	1.7	1
26	Comparative dissolution of electrospun Al <sub>2</sub> O <sub>3</sub> nanofibres in artificial human lung fluids. <i>Environmental Science: Nano</i> , 2015, 2, 251-261.	2.2	15
27	Prenatal exposure to di-(2-ethylhexyl) phthalate (DEHP) affects reproductive outcomes in female mice. <i>Reproductive Toxicology</i> , 2015, 53, 23-32.	1.3	65
28	Perfluorinated Compounds: An Overview. <i>Molecular and Integrative Toxicology</i> , 2015, , 1-21.	0.5	21
29	Aluminium in Allergies and Allergen immunotherapy. <i>World Allergy Organization Journal</i> , 2015, 8, 7.	1.6	70
30	Efficacy of chelation therapy to remove aluminium intoxication. <i>Journal of Inorganic Biochemistry</i> , 2015, 152, 214-218.	1.5	23
31	Quercetin protects against aluminium induced oxidative stress and promotes mitochondrial biogenesis via activation of the PGC-1 $\beta$ signaling pathway. <i>NeuroToxicology</i> , 2015, 51, 116-137.	1.4	59
32	Comparative Safety of Vaccine Adjuvants: A Summary of Current Evidence and Future Needs. <i>Drug Safety</i> , 2015, 38, 1059-1074.	1.4	238
33	Factors affecting the aluminium content of human femoral head and neck. <i>Journal of Inorganic Biochemistry</i> , 2015, 152, 167-173.	1.5	13
34	Critical role of toxicologic pathology in a short-term screen for carcinogenicity. <i>Journal of Toxicologic Pathology</i> , 2016, 29, 215-227.	0.3	19
35	Key Elements for Judging the Quality of a Risk Assessment. <i>Environmental Health Perspectives</i> , 2016, 124, 1127-1135.	2.8	22
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38	Chemical and Hormonal Effects on STAT5b-Dependent Sexual Dimorphism of the Liver Transcriptome. <i>PLoS ONE</i> , 2016, 11, e0150284.	1.1	45
39	Arsenic and Environmental Health: State of the Science and Future Research Opportunities. <i>Environmental Health Perspectives</i> , 2016, 124, 890-899.	2.8	235

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41	5-lipoxygenase activation is involved in the mechanisms of chronic hepatic injury in a rat model of chronic aluminum overload exposure. <i>Toxicology and Applied Pharmacology</i> , 2016, 305, 259-266.	1.3	16
42	Comprehensive review of epidemiological and animal studies on the potential carcinogenic effects of nicotine <i>in se</i> . <i>Critical Reviews in Toxicology</i> , 2016, 46, 701-734.	1.9	39
43	Problem formulation for risk assessment of combined exposures to chemicals and other stressors in humans. <i>Critical Reviews in Toxicology</i> , 2016, 46, 835-844.	1.9	32
44	Gut: An underestimated target organ for Aluminum. <i>Morphologie</i> , 2016, 100, 75-84.	0.5	32
45	A higher aspect ratio enhanced bioaccumulation and altered immune responses due to intravenously-injected aluminum oxide nanoparticles. <i>Journal of Immunotoxicology</i> , 2016, 13, 439-448.	0.9	13
46	<i>Drosophila melanogaster</i> as a suitable in vivo model to determine potential side effects of nanomaterials: A review. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2016, 19, 65-104.	2.9	88
47	Chelation Treatment During Acute and Chronic Metal Overexposures – Experimental and Clinical Studies. , 2016, , 85-252.		2
48	A critical review of perfluorooctanoate and perfluorooctanesulfonate exposure and immunological health conditions in humans. <i>Critical Reviews in Toxicology</i> , 2016, 46, 279-331.	1.9	127
49	Investigation of aluminum content of imported candies and snack foods in Taiwan. <i>Journal of Food and Drug Analysis</i> , 2016, 24, 771-779.	0.9	15
50	Review of field and monitoring studies investigating the role of nitro-substituted neonicotinoid insecticides in the reported losses of honey bee colonies ( <i>Apis mellifera</i> ). <i>Ecotoxicology</i> , 2016, 25, 1617-1629.	1.1	52
51	Pathway Based Toxicology and Fit-for-Purpose Assays. <i>Advances in Experimental Medicine and Biology</i> , 2016, 856, 205-230.	0.8	11
52	Triclosan in water, implications for human and environmental health. <i>SpringerPlus</i> , 2016, 5, 1639.	1.2	106
53	Bee Ecotoxicology and Data Veracity: Appreciating the GLP Process. <i>BioScience</i> , 2016, 66, 1066-1069.	2.2	4
54	Use of the RISK21 roadmap and matrix: human health risk assessment of the use of a pyrethroid in bed netting. <i>Critical Reviews in Toxicology</i> , 2016, 46, 54-73.	1.9	11
55	Strategies for estimating human exposure to mycotoxins via food. <i>World Mycotoxin Journal</i> , 2016, 9, 831-845.	0.8	24
56	Disturbance of firefly luciferase-based bioassays by different aluminum species. <i>Analytical Biochemistry</i> , 2016, 504, 27-29.	1.1	4
57	Managing Risk in Nanotechnology. <i>Innovation, Technology and Knowledge Management</i> , 2016, , .	0.4	1

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59	Comparable immune responsiveness but increased reactogenicity after subcutaneous versus intramuscular administration of tick borne encephalitis (TBE) vaccine. <i>Vaccine</i> , 2016, 34, 2027-2034.	1.7	20
60	Aluminum chloride induces neuroinflammation, loss of neuronal dendritic spine and cognition impairment in developing rat. <i>Chemosphere</i> , 2016, 151, 289-295.	4.2	60
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65	Aluminum uptake and migration from the soil compartment into <i>Betula pendula</i> for two different environments: a polluted and environmentally protected area of Poland. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1398-1407.	2.7	18
66	Dose and Effect Thresholds for Early Key Events in a PPAR $\alpha$ -Mediated Mode of Action. <i>Toxicological Sciences</i> , 2016, 149, 312-325.	1.4	26
67	Perfluoroalkyl acids-induced liver steatosis: Effects on genes controlling lipid homeostasis. <i>Toxicology</i> , 2017, 378, 37-52.	2.0	163
68	The role and regulation of the peroxisome proliferator activated receptor alpha in human liver. <i>Biochimie</i> , 2017, 136, 75-84.	1.3	269
69	Synergistic effect of aluminum and ionizing radiation upon ultrastructure, oxidative stress and apoptotic alterations in Paneth cells of rat intestine. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6657-6666.	2.7	13
70	Towards toxicokinetic modelling of aluminium exposure from adjuvants in medicinal products. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 88, 310-321.	1.3	18
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74	Perfluoroalkyl substances with isomer analysis in umbilical cord serum in China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13626-13637.	2.7	22
75	Aluminum chloride caused liver dysfunction and mitochondrial energy metabolism disorder in rat. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 55-62.	1.5	62

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76	Perfluorooctanesulfonate (PFOS)-induced Sertoli cell injury through a disruption of F-actin and microtubule organization is mediated by Akt1/2. <i>Scientific Reports</i> , 2017, 7, 1110.	1.6	38
77	Using exposure bands for rapid decision making in the RISK21 tiered exposure assessment. <i>Critical Reviews in Toxicology</i> , 2017, 47, 317-341.	1.9	11
78	Assessing the reliability of ecotoxicological studies: An overview of current needs and approaches. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 640-651.	1.6	36
80	Origin of the TTC values for compounds that are genotoxic and/or carcinogenic and an approach for their re-evaluation. <i>Critical Reviews in Toxicology</i> , 2017, 47, 710-732.	1.9	33
81	Targeting nuclear receptors for the treatment of fatty liver disease. , 2017, 179, 142-157.		164
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84	Estrogen receptor beta mediates hepatotoxicity induced by perfluorooctane sulfonate in mouse. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13414-13423.	2.7	32
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87	A quantitative weight of evidence assessment of confidence in modes-of-action and their human relevance. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 90, 51-71.	1.3	10
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89	No evidence of DNA damage by co-exposure to extremely low frequency magnetic fields and aluminum on neuroblastoma cell lines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 823, 11-21.	0.9	13
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91	Tissue distribution following 28 day repeated oral administration of aluminum-based nanoparticles with different properties and the in vitro toxicity. <i>Journal of Applied Toxicology</i> , 2017, 37, 1408-1419.	1.4	9
92	Impact of an Artificial Digestion Procedure on Aluminum-Containing Nanomaterials. <i>Langmuir</i> , 2017, 33, 10726-10735.	1.6	45
93	Molecular Mechanisms of Perfluorooctanoate-Induced Hepatocyte Apoptosis in Mice Using Proteomic Techniques. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11380-11389.	4.6	24
94	Aluminum and Alzheimer's Disease. <i>Advances in Neurobiology</i> , 2017, 18, 183-197.	1.3	90
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98	Applying the erythrocyte <i>Pig</i> assay concept to rat epididymal sperm for germ cell mutagenicity evaluation. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 485-493.	0.9	2
99	Effect of astaxanthin and aluminum chloride on erythrocyte G6PD and 6PGD enzyme activities <i>in vivo</i> and on erythrocyte G6PD <i>in vitro</i> in rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21954.	1.4	16
100	ICP-MS determination of serum aluminum in monkeys subcutaneously administered an alhydrogel-formulated drug candidate. <i>Bioanalysis</i> , 2017, 9, 1873-1881.	0.6	4
101	Quantitative weight of evidence assessment of risk to honeybee colonies from use of imidacloprid, clothianidin, and thiamethoxam as seed treatments: a postscript. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017, 20, 383-386.	2.9	4
102	Progress in identifying epigenetic mechanisms of xenobiotic-induced non-genotoxic carcinogenesis. <i>Current Opinion in Toxicology</i> , 2017, 3, 62-70.	2.6	7
103	The Role of Omics in the Application of Adverse Outcome Pathways for Chemical Risk Assessment. <i>Toxicological Sciences</i> , 2017, 158, 252-262.	1.4	161
104	Steps towards the international regulatory acceptance of non-animal methodology in safety assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 89, 50-56.	1.3	23
106	Aluminum Trichloride Inhibited Osteoblastic Proliferation and Downregulated the Wnt/ $\beta$ -Catenin Pathway. <i>Biological Trace Element Research</i> , 2017, 177, 323-330.	1.9	16
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109	Biomarker analysis of American toad ( <i>Anaxyrus americanus</i> ) and grey tree frog ( <i>Hyla versicolor</i> ) tadpoles following exposure to atrazine. <i>Aquatic Toxicology</i> , 2017, 182, 184-193.	1.9	17
110	Assessing the relevance of ecotoxicological studies for regulatory decision making. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 652-663.	1.6	47
111	Antimicrobial Nanostructures for Neurodegenerative Infections. , 2017, , 139-167.		7
112	Dexamethasone Pretreatment Alleviates Isoniazid/Lipopolysaccharide Hepatotoxicity: Inhibition of Inflammatory and Oxidative Stress. <i>Frontiers in Pharmacology</i> , 2017, 8, 133.	1.6	20
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114	The Health Effects of Aluminum Exposure. <i>Deutsches A&amp;#x0308;rztblatt International</i> , 2017, 114, 653-659.	0.6	158
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117	Aluminum <sup>+</sup> , 2017, , .		0
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119	Carcinogenicity. , 2018, , 233-254.		0
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121	Changes in gene expression following long-term in vitro exposure of <i>Macaca mulatta</i> trophoblast stem cells to biologically relevant levels of endocrine disruptors. <i>Reproductive Toxicology</i> , 2018, 77, 154-165.	1.3	19
122	Scientific Opinion on the state of the science on pesticide risk assessment for amphibians and reptiles. <i>EFSA Journal</i> , 2018, 16, e05125.	0.9	35
123	Evidence of citation bias in the pesticide ecotoxicology literature. <i>Ecotoxicology</i> , 2018, 27, 1039-1045.	1.1	16
124	The safety evaluation of food flavouring substances: the role of metabolic studies. <i>Toxicology Research</i> , 2018, 7, 618-646.	0.9	27
125	Short-Term Pulmonary Toxicity Assessment of Pre- and Post-incinerated Organomodified Nanoclay in Mice. <i>ACS Nano</i> , 2018, 12, 2292-2310.	7.3	21
126	Proposed reference dose for toxaphene carcinogenicity based on constitutive androstane receptor-mediated mode of action. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 1160-1180.	1.7	1
127	Multiple pharmacological activities of <i>Caesalpinia crista</i> against aluminium-induced neurodegeneration in rats: Relevance for Alzheimer's disease. <i>Environmental Toxicology and Pharmacology</i> , 2018, 58, 202-211.	2.0	30
128	The effect of maternal exposure to di(2-ethylhexyl)phthalate on fetal cardiac development in mice. <i>Journal of Applied Toxicology</i> , 2018, 38, 834-842.	1.4	22
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130	The PPAR $\alpha$ -dependent rodent liver tumor response is not relevant to humans: addressing misconceptions. <i>Archives of Toxicology</i> , 2018, 92, 83-119.	1.9	112
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132	Oxidative stress in carcinogenesis. <i>Current Opinion in Toxicology</i> , 2018, 7, 116-121.	2.6	69
133	Decreased macrophage phagocytic function due to xenobiotic exposures in vitro, difference in sensitivity between various macrophage models. <i>Food and Chemical Toxicology</i> , 2018, 112, 86-96.	1.8	14



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135	Critical analysis of reference studies on the toxicokinetics of aluminum-based adjuvants. <i>Journal of Inorganic Biochemistry</i> , 2018, 181, 87-95.	1.5	38
136	Aluminum trichloride-induced hippocampal inflammatory lesions are associated with IL-1 $\beta$ -activated IL-1 signaling pathway in developing rats. <i>Chemosphere</i> , 2018, 203, 170-178.	4.2	30
137	Aggregate exposure pathways in support of risk assessment. <i>Current Opinion in Toxicology</i> , 2018, 9, 8-13.	2.6	25
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139	Atrazine-induced environmental nephrosis was mitigated by lycopene via modulating nuclear xenobiotic receptors-mediated response. <i>Journal of Nutritional Biochemistry</i> , 2018, 51, 80-90.	1.9	34
140	Fas- and Mitochondria-Mediated Signaling Pathway Involved in Osteoblast Apoptosis Induced by AlCl <sub>3</sub> . <i>Biological Trace Element Research</i> , 2018, 184, 173-185.	1.9	22
141	A review of the evidence for endocrine disrupting effects of current-use chemicals on wildlife populations. <i>Critical Reviews in Toxicology</i> , 2018, 48, 195-216.	1.9	100
142	Effect of silicon-rich water intake on the systemic and peritoneal inflammation of rats with chronic low levels of aluminum ingestion. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 46, 96-102.	1.5	4
143	Organic contaminants in African aquatic systems: Current knowledge, health risks, and future research directions. <i>Science of the Total Environment</i> , 2018, 619-620, 1493-1514.	3.9	115
144	Influence of Distribution of Animals between Dose Groups on Estimated Benchmark Dose and Animal Welfare for Continuous Effects. <i>Risk Analysis</i> , 2018, 38, 1143-1153.	1.5	1
145	A rationally designed perfluorinated host for the extraction of PFOA from water utilising non-covalent interactions. <i>New Journal of Chemistry</i> , 2018, 42, 7956-7968.	1.4	12
146	Risk to human health related to the presence of perfluorooctane sulfonic acid and perfluorooctanoic acid in food. <i>EFSA Journal</i> , 2018, 16, e05194.	0.9	171
148	Perfluorooctanoate and Perfluorooctanesulfonate plasma concentrations and survival after prostate and bladder cancer in a population-based study. <i>Environmental Epidemiology</i> , 2018, 2, e018.	1.4	1
149	Gonadal histology and reproductive steroidogenesis in <i>Lithobates pipiens</i> exposed to atrazine. <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 583-600.	0.6	3
150	The Role of Cell Proliferation in the Etiology of Neoplasia. , 2018, , 226-247.		0
151	Role of Absorption, Distribution, Metabolism, Excretion, and Systemic Dose in Toxicology Testing. , 2018, , 95-118.		0
152	Dendritic spine loss caused by AlCl <sub>3</sub> is associated with inhibition of the Rac 1/cofilin signaling pathway. <i>Environmental Pollution</i> , 2018, 243, 1689-1695.	3.7	8

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154	Propiconazole is an activator of AHR and causes concentration additive effects with an established AHR ligand. <i>Archives of Toxicology</i> , 2018, 92, 3471-3486.	1.9	13
155	Aluminum and gallium complexes as homogeneous catalysts for reduction/oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2018, 377, 209-224.	9.5	23
156	Role of peroxisome proliferator-activated receptor alpha (PPAR $\alpha$ ) and PPAR $\alpha$ -mediated species differences in triclosan-induced liver toxicity. <i>Archives of Toxicology</i> , 2018, 92, 3391-3402.	1.9	19
157	Toxicology Assessment of Endocrine-Active Substances. , 2018, , 136-171.		0
158	Cosmetics and Cancer: Adverse Event Reports Submitted to the Food and Drug Administration. <i>JNCI Cancer Spectrum</i> , 2018, 2, pky012.	1.4	10
159	Uptake and molecular impact of aluminum-containing nanomaterials on human intestinal caco-2 cells. <i>Nanotoxicology</i> , 2018, 12, 992-1013.	1.6	24
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161	Strain-related differences in mouse lung gene expression over a two-year period of inhalation exposure to styrene: Relevance to human risk assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 96, 153-166.	1.3	14
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