Translocation and extra pulmonary toxicities of multi wall carbon nanotubes in rats

DOI: 10.3109/15376516.2010.484077
Toxicology Mechanisms and Methods, 2010, 20, 267-72.

#	Paper	IF	Citations
45	Review of carbon nanotubes toxicity and exposure--appraisal of human health risk assessment based on open literature. *Critical Reviews in Toxicology*, **2010**, 40, 759-90	5.7	187
44	Hazard and Risk Assessment of Workplace Exposure to Engineered Nanoparticles. **2011**, 65-97		
43	Engineered nanomaterials: exposures, hazards, and risk prevention. *Journal of Occupational Medicine and Toxicology*, **2011**, 6, 7	2.7	129
42	Impairment of coronary arteriolar endothelium-dependent dilation after multi-walled carbon nanotube inhalation: a time-course study. *International Journal of Molecular Sciences*, **2012**, 13, 13781-803	6.3	81
41	Systemic health effects of carbon nanotubes following inhalation. 210-223		1
40	Intravenous administration of multi-walled carbon nanotubes affects the formation of atherosclerosis in Sprague-Dawley rats. *Journal of Occupational Health*, **2012**, 54, 361-9	2.3	23
39	Toxicological studies of zinc oxide nanomaterials in rats. *Toxicological and Environmental Chemistry*, **2012**, 94, 1768-1779	1.4	12
38	Expansion of cardiac ischemia/reperfusion injury after instillation of three forms of multi-walled carbon nanotubes. *Particle and Fibre Toxicology*, **2012**, 9, 38	8.4	42
37	Multi-walled carbon nanotube-induced inflammatory response and oxidative stress in a dynamic cell growth environment. *Journal of Biological Engineering*, **2012**, 6, 22	6.3	14
36	Xenobiotic particle exposure and microvascular endpoints: a call to arms. *Microcirculation*, **2012**, 19, 126-42	2.9	28
35	Apoptosis induction and histological changes in rat kidney following Cd-doped silica nanoparticle exposure: evidence of persisting effects. *Toxicology Mechanisms and Methods*, **2013**, 23, 566-75	3.6	13
34	Toxicity and bio-accumulation of inhaled cerium oxide nanoparticles in CD1 mice. *Nanotoxicology*, **2014**, 8, 786-98	5.3	91
33	Carbon nanotube dosimetry: from workplace exposure assessment to inhalation toxicology. *Particle and Fibre Toxicology*, **2013**, 10, 53	8.4	121
32	Mechanisms of toxicity by carbon nanotubes. *Toxicology Mechanisms and Methods*, **2013**, 23, 178-95	3.6	55
31	Carbon Nanotubes: Nanotoxicity Testing and Bioapplications. **2013**, 99-144		
30	Pulmonary toxicity and fibrogenic response of carbon nanotubes. *Toxicology Mechanisms and Methods*, **2013**, 23, 196-206	3.6	31
29	Mechanisms of nanoparticle-induced oxidative stress and toxicity. *BioMed Research International*, **2013**, 2013, 942916	3	863

28	Morphological and cytohistochemical evaluation of renal effects of cadmium-doped silica nanoparticles given intratracheally to rat. *Journal of Physics: Conference Series*, **2013**, 429, 012033	0.3	2
27	Vascular Tissue Contractility Changes Following Late Gestational Exposure to Multi-Walled Carbon Nanotubes or their Dispersing Vehicle in Sprague Dawley Rats. *Journal of Nanomedicine & Nanotechnology*, **2014**, 5,	1.9	12
26	Safe clinical use of carbon nanotubes as innovative biomaterials. *Chemical Reviews*, **2014**, 114, 6040-79	68.1	167
25	Evaluating the environmental impacts of a nano-enhanced field emission display using life cycle assessment: a screening-level study. *Environmental Science & Technology*, **2014**, 48, 1194-205	10.3	12
24	Vascular distribution of nanomaterials. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2014**, 6, 338-48	9.2	25
23	ESR evidence for in vivo formation of free radicals in tissue of mice exposed to single-walled carbon nanotubes. *Free Radical Biology and Medicine*, **2014**, 73, 154-65	7.8	23
22	A systems toxicology approach on the mechanism of uptake and toxicity of MWCNT in Caenorhabditis elegans. *Chemico-Biological Interactions*, **2015**, 239, 153-63	5	26
21	Nanomaterial translocation--the biokinetics, tissue accumulation, toxicity and fate of materials in secondary organs--a review. *Critical Reviews in Toxicology*, **2015**, 45, 837-72	5.7	102
20	Carbon Nanotube and Nanofiber Exposure Assessments: An Analysis of 14 Site Visits. *Annals of Occupational Hygiene*, **2015**, 59, 705-23		70
19	One-month persistence of inflammation and alteration of fibrotic marker and cytoskeletal proteins in rat kidney after Cd-doped silica nanoparticle instillation. *Toxicology Letters*, **2015**, 232, 449-57	4.4	9
18	Intratracheal exposure to multi-walled carbon nanotubes induces a nonalcoholic steatohepatitis-like phenotype in C57BL/6J mice. *Nanotoxicology*, **2015**, 9, 613-23	5.3	11
17	Hazard and Risk Assessment of Workplace Exposure to Engineered Nanoparticles. **2016**, 45-82		
16	Translocation of Functionalized Multi-Walled Carbon Nanotubes across Human Pulmonary Alveolar Epithelium: Dominant Role of Epithelial Type 1 Cells. *ACS Nano*, **2016**, 10, 5070-85	16.7	19
15	Pulmonary Effects of Carbon Nanomaterials. **2016**, 163-194		2
14	Mechanisms of Nanoparticle Toxicity. **2016**, 295-341		3
13	Environment, Health and Safety Issues in Nanotechnology. *Springer Handbooks*, **2017**, 1559-1586	1.3	2
12	Evaluating the mechanistic evidence and key data gaps in assessing the potential carcinogenicity of carbon nanotubes and nanofibers in humans. *Critical Reviews in Toxicology*, **2017**, 47, 1-58	5.7	65
11	Considerations for the Human Health Implications of Nanotheranostics. **2018**, 279-303		3

10	Nanoparticle exposure driven circulating bioactive peptidome causes systemic inflammation and vascular dysfunction. *Particle and Fibre Toxicology*, **2019**, 16, 20	8.4	27
9	. *Toxicology and Applied Pharmacology*, **2019**, 375, 17-31	4.6	26
8	Developmental toxicity of carbon nanoparticles during embryogenesis in chicken. *Environmental Science and Pollution Research*, **2020**, 27, 19058-19072	5.1	21
7	Potential hazardous effects of carbon nanotubes and carbon nanofibers. **2021**, 335-347		
6	Synthesis, Pharmacokinetics, and Toxicity of Nano-Drug Carriers. **2021**, 63-106		0
5	Carbon Nanotube Exposure Triggers a Cerebral Peptidomic Response: Barrier Compromise, Neuroinflammation, and a Hyperexcited State. *Toxicological Sciences*, **2021**, 182, 107-119	4.4	6
4	Isoprostanes as Biomarkers for In Vivo Evaluation of Nanoparticle-induced Oxidative Stress: a Study with Silica Nanoparticles Doped with Cadmium. *International Journal of Theoretical and Applied Nanotechnology*,		1
3	RETRACTED CHAPTER: Pathways for Nanoparticle (NP)-Induced Oxidative Stress. *Nanomedicine and Nanotoxicology*, **2020**, 285-328	0.3	
2	Mechanisms for nanoparticle-mediated oxidative stress. **2020**, 421-447		
1	Indirect mediators of systemic health outcomes following nanoparticle inhalation exposure.. *Pharmacology & Therapeutics*, **2022**, 235, 108120	13.9	2