

# Ali Kermanizadeh

## List of Publications by Citations

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

54  
papers

1,734  
citations

23  
h-index

41  
g-index

57  
ext. papers

1,952  
ext. citations

5  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
54	Determinants of carbon nanotube toxicity. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 2063-9	18.5	153
53	Effects of silver nanoparticles on the liver and hepatocytes in vitro. <i>Toxicological Sciences</i> , <b>2013</b> , 131, 537-47	4.4	120
52	Nanomaterial translocation--the biokinetics, tissue accumulation, toxicity and fate of materials in secondary organs--a review. <i>Critical Reviews in Toxicology</i> , <b>2015</b> , 45, 837-72	5.7	102
51	In vitro assessment of engineered nanomaterials using a hepatocyte cell line: cytotoxicity, pro-inflammatory cytokines and functional markers. <i>Nanotoxicology</i> , <b>2013</b> , 7, 301-13	5.3	100
50	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Health--ENPRA Project--The Highlights, Limitations, and Current and Future Challenges. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2016</b> , 19, 1-28	8.6	96
49	An in vitro liver model--assessing oxidative stress and genotoxicity following exposure of hepatocytes to a panel of engineered nanomaterials. <i>Particle and Fibre Toxicology</i> , <b>2012</b> , 9, 28	8.4	94
48	An in vitro assessment of panel of engineered nanomaterials using a human renal cell line: cytotoxicity, pro-inflammatory response, oxidative stress and genotoxicity. <i>BMC Nephrology</i> , <b>2013</b> , 14, 96	2.7	87
47	Role of oxidative stress in carbon nanotube-generated health effects. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 1939-64	5.8	79
46	Acute and subacute pulmonary toxicity and mortality in mice after intratracheal instillation of ZnO nanoparticles in three laboratories. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 85, 84-95	4.7	62
45	Hepatic toxicology following single and multiple exposure of engineered nanomaterials utilising a novel primary human 3D liver microtissue model. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 56	8.4	61
44	Investigating the relationship between nanomaterial hazard and physicochemical properties: Informing the exploitation of nanomaterials within therapeutic and diagnostic applications. <i>Journal of Controlled Release</i> , <b>2012</b> , 164, 307-13	11.7	57
43	Measurement of oxidative damage to DNA in nanomaterial exposed cells and animals. <i>Environmental and Molecular Mutagenesis</i> , <b>2015</b> , 56, 97-110	3.2	53
42	Synergistic effects of zinc oxide nanoparticles and Fatty acids on toxicity to caco-2 cells. <i>International Journal of Toxicology</i> , <b>2015</b> , 34, 67-76	2.4	49
41	Atherosclerosis and vasomotor dysfunction in arteries of animals after exposure to combustion-derived particulate matter or nanomaterials. <i>Critical Reviews in Toxicology</i> , <b>2016</b> , 46, 437-76	5.7	49
40	Comparative hazard identification by a single dose lung exposure of zinc oxide and silver nanomaterials in mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126934	3.7	45
39	Applications of the comet assay in particle toxicology: air pollution and engineered nanomaterials exposure. <i>Mutagenesis</i> , <b>2015</b> , 30, 67-83	2.8	43
38	Impact of serum as a dispersion agent for in vitro and in vivo toxicological assessments of TiO nanoparticles. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 353-363	5.8	41

37	Toxicological effect of engineered nanomaterials on the liver. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 3980-7	8.6	37
36	The role of intracellular redox imbalance in nanomaterial induced cellular damage and genotoxicity: a review. <i>Environmental and Molecular Mutagenesis</i> , <b>2015</b> , 56, 111-24	3.2	31
35	The role of Kupffer cells in the hepatic response to silver nanoparticles. <i>Nanotoxicology</i> , <b>2014</b> , 8 Suppl 1, 149-54	5.3	30
34	Primary human hepatocytes versus hepatic cell line: assessing their suitability for in vitro nanotoxicology. <i>Nanotoxicology</i> , <b>2013</b> , 7, 1255-71	5.3	27
33	Association between polycyclic aromatic hydrocarbon exposure and peripheral blood mononuclear cell DNA damage in human volunteers during fire extinction exercises. <i>Mutagenesis</i> , <b>2018</b> , 33, 105-115	2.8	26
32	Nanodelivery systems and stabilized solid-drug nanoparticles for orally administered medicine: current landscape. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 7575-7605	7.3	26
31	Nanomaterial-induced cell death in pulmonary and hepatic cells following exposure to three different metallic materials: The role of autophagy and apoptosis. <i>Nanotoxicology</i> , <b>2017</b> , 11, 184-200	5.3	23
30	Hepatic Hazard Assessment of Silver Nanoparticle Exposure in Healthy and Chronically Alcohol Fed Mice. <i>Toxicological Sciences</i> , <b>2017</b> , 158, 176-187	4.4	20
29	Polylactic is a Sustainable, Low Absorption, Low Autofluorescence Alternative to Other Plastics for Microfluidic and Organ-on-Chip Applications. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 6693-6701	7.8	20
28	Assessment of polycyclic aromatic hydrocarbon exposure, lung function, systemic inflammation, and genotoxicity in peripheral blood mononuclear cells from firefighters before and after a work shift. <i>Environmental and Molecular Mutagenesis</i> , <b>2018</b> , 59, 539-548	3.2	20
27	Repair activity of oxidatively damaged DNA and telomere length in human lung epithelial cells after exposure to multi-walled carbon nanotubes. <i>Mutagenesis</i> , <b>2017</b> , 32, 173-180	2.8	18
26	The importance of inter-individual Kupffer cell variability in the governance of hepatic toxicity in a 3D primary human liver microtissue model. <i>Scientific Reports</i> , <b>2019</b> , 9, 7295	4.9	17
25	A review of hepatic nanotoxicology - summation of recent findings and considerations for the next generation of study designs. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2020</b> , 23, 137-176	8.6	16
24	Inflammation and Vascular Effects after Repeated Intratracheal Instillations of Carbon Black and Lipopolysaccharide. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160731	3.7	14
23	Assessment of nanomaterial-induced hepatotoxicity using a 3D human primary multi-cellular microtissue exposed repeatedly over 21 days - the suitability of the in vitro system as an in vivo surrogate. <i>Particle and Fibre Toxicology</i> , <b>2019</b> , 16, 42	8.4	14
22	Hepatic oxidative stress, genotoxicity and vascular dysfunction in lean or obese Zucker rats. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118773	3.7	13
21	Inhalation of House Dust and Ozone Alters Systemic Levels of Endothelial Progenitor Cells, Oxidative Stress, and Inflammation in Elderly Subjects. <i>Toxicological Sciences</i> , <b>2018</b> , 163, 353-363	4.4	12
20	The global variability of diatomaceous earth toxicity: a physicochemical and in vitro investigation. <i>Journal of Occupational Medicine and Toxicology</i> , <b>2015</b> , 10, 23	2.7	11

19	The mechanism-based toxicity screening of particles with use in the food and nutrition sector via the ToxTracker reporter system. <i>Toxicology in Vitro</i> , <b>2019</b> , 61, 104594	3.6	10
18	Integrin Targeting and Toxicological Assessment of Peptide-Conjugated Liposome Delivery Systems to Activated Endothelial Cells. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2017</b> , 120, 380-389	3.1	10
17	Hepatic toxicity assessment of cationic liposome exposure in healthy and chronic alcohol fed mice. <i>Heliyon</i> , <b>2017</b> , 3, e00458	3.6	9
16	A Flow Cytometry-based Method for the Screening of Nanomaterial-induced Reactive Oxygen Species Production in Leukocytes Subpopulations in Whole Blood. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2018</b> , 122, 149-156	3.1	8
15	The role of p53 in lung macrophages following exposure to a panel of manufactured nanomaterials. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 1543-56	5.8	6
14	The variances in cytokine production profiles from non- or activated THP-1, Kupffer cell and human blood derived primary macrophages following exposure to either alcohol or a panel of engineered nanomaterials. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220974	3.7	6
13	Substantial modification of the gene expression profile following exposure of macrophages to welding-related nanoparticles. <i>Scientific Reports</i> , <b>2018</b> , 8, 8554	4.9	4
12	Particulate and drug-induced toxicity assessed in novel quadruple cell human primary hepatic disease models of steatosis and pre-fibrotic NASH. <i>Archives of Toxicology</i> , <b>2021</b> , 96, 287	5.8	3
11	Toxicological Hazard Analysis of Nanomaterials With Potential for Utilization in Consumer Goods <b>2019</b> , 355-380		2
10	Preparation and Utilization of a 3D Human Liver Microtissue Model for Nanotoxicological Assessment. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1894, 47-55	1.4	2
9	A Review of the Current State of Nanomedicines for Targeting and Treatment of Cancers: Achievements and Future Challenges. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000186	4.9	2
8	Acute hazard assessment of silver nanoparticles following intratracheal instillation, oral and intravenous injection exposures.. <i>Nanotoxicology</i> , <b>2022</b> , 1-17	5.3	1
7	Poly(lactic acid), a sustainable, biocompatible, transparent substrate material for Organ-On-Chip, and Microfluidic applications		1
6	The application of existing genotoxicity methodologies for grouping of nanomaterials: towards an integrated approach to testing and assessment.. <i>Particle and Fibre Toxicology</i> , <b>2022</b> , 19, 32	8.4	1
5	An Overview of Nanoparticle Biocompatibility for Their Use in Nanomedicine <b>2016</b> , 443-468		0
4	Carbon nanotube-cellular interactions: macrophages, epithelial and mesothelial cells 174-209		
3	The Potential Adverse Effects of Engineered Nanomaterial Exposure to Human Health Following Pulmonary, Oral and Dermal Exposure. <i>Molecular and Integrative Toxicology</i> , <b>2021</b> , 41-58	0.5	
2	Overview of the Current Knowledge and Challenges Associated with Human Exposure to Nanomaterials <b>2017</b> , 775-809		

- 1 Nanomaterial-Induced Extra-Pulmonary Health Effects - the Importance of Next Generation Physiologically Relevant In Vitro Test Systems for the Future of Nanotoxicology.. *Advances in Experimental Medicine and Biology*, **2022**, 1357, 259-273 3.6