

# Yanbo Li

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,256  
citations

218677

26  
h-index

223800

46  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2883  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica nanoparticles induce oxidative stress, inflammation, and endothelial dysfunction in vitro via activation of the MAPK/Nrf2 pathway and nuclear factor- $\kappa$ B signaling. <i>International Journal of Nanomedicine</i> , 2015, 10, 1463.	6.7	197
2	Amorphous silica nanoparticles trigger vascular endothelial cell injury through apoptosis and autophagy via reactive oxygen species-mediated MAPK/Bcl-2 and PI3K/Akt/mTOR signaling. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5257-5276.	6.7	176
3	Toxic Effect of Silica Nanoparticles on Endothelial Cells through DNA Damage Response via Chk1-Dependent G2/M Checkpoint. <i>PLoS ONE</i> , 2013, 8, e62087.	2.5	174
4	Size-dependent cytotoxicity of amorphous silica nanoparticles in human hepatoma HepG2 cells. <i>Toxicology in Vitro</i> , 2011, 25, 1343-1352.	2.4	167
5	Low-dose exposure of silica nanoparticles induces cardiac dysfunction via neutrophil-mediated inflammation and cardiac contraction in zebrafish embryos. <i>Nanotoxicology</i> , 2016, 10, 575-585.	3.0	112
6	Mitochondrial dysfunction, perturbations of mitochondrial dynamics and biogenesis involved in endothelial injury induced by silica nanoparticles. <i>Environmental Pollution</i> , 2018, 236, 926-936.	7.5	107
7	Association between ambient air pollution and pregnancy complications: A systematic review and meta-analysis of cohort studies. <i>Environmental Research</i> , 2020, 185, 109471.	7.5	78
8	Silica nanoparticles induce liver fibrosis via TGF- $\beta$ 1/Smad3 pathway in ICR mice. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6045-6057.	6.7	67
9	Silica nanoparticles promote oxLDL-induced macrophage lipid accumulation and apoptosis via endoplasmic reticulum stress signaling. <i>Science of the Total Environment</i> , 2018, 631-632, 570-579.	8.0	67
10	Silica nanoparticles induced endothelial apoptosis via endoplasmic reticulum stress-mitochondrial apoptotic signaling pathway. <i>Chemosphere</i> , 2018, 210, 183-192.	8.2	63
11	PM2.5 triggered apoptosis in lung epithelial cells through the mitochondrial apoptotic way mediated by a ROS-DRP1-mitochondrial fission axis. <i>Journal of Hazardous Materials</i> , 2020, 397, 122608.	12.4	60
12	Adverse effects of amorphous silica nanoparticles: Focus on human cardiovascular health. <i>Journal of Hazardous Materials</i> , 2021, 406, 124626.	12.4	59
13	Biomarkers for the adverse effects on respiratory system health associated with atmospheric particulate matter exposure. <i>Journal of Hazardous Materials</i> , 2022, 421, 126760.	12.4	58
14	Silica nanoparticles induced intrinsic apoptosis in neuroblastoma SH-SY5Y cells via CytC/Apaf-1 pathway. <i>Environmental Toxicology and Pharmacology</i> , 2017, 52, 161-169.	4.0	46
15	Amorphous silica nanoparticles induce malignant transformation and tumorigenesis of human lung epithelial cells via P53 signaling. <i>Nanotoxicology</i> , 2017, 11, 1176-1194.	3.0	41
16	Metabolic impact induced by total, water soluble and insoluble components of PM2.5 acute exposure in mice. <i>Chemosphere</i> , 2018, 207, 337-346.	8.2	41
17	Oxidative stress- and mitochondrial dysfunction-mediated cytotoxicity by silica nanoparticle in lung epithelial cells from metabolomic perspective. <i>Chemosphere</i> , 2021, 275, 129969.	8.2	41
18	Comprehensive understanding of PM2.5 on gene and microRNA expression patterns in zebrafish ( <i>Danio rerio</i> )	8.0	38

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19	Ambient particulate matter compositions and increased oxidative stress: Exposure-response analysis among high-level exposed population. <i>Environment International</i> , 2021, 147, 106341.	10.0	37
20	DNA Hypermethylation of CREB3L1 and Bcl-2 Associated with the Mitochondrial-Mediated Apoptosis via PI3K/Akt Pathway in Human BEAS-2B Cells Exposure to Silica Nanoparticles. <i>PLoS ONE</i> , 2016, 11, e0158475.	2.5	37
21	Amorphous silica nanoparticles accelerated atherosclerotic lesion progression in ApoE <sup>-/-</sup> /A <sup>-/-</sup> mice through endoplasmic reticulum stress-mediated CD36 up-regulation in macrophage. <i>Particle and Fibre Toxicology</i> , 2020, 17, 50.	6.2	36
22	Silica nanoparticles induce start inhibition of meiosis and cell cycle arrest via down-regulating meiotic relevant factors. <i>Toxicology Research</i> , 2016, 5, 1453-1464.	2.1	32
23	Silica nanoparticles exacerbates reproductive toxicity development in high-fat diet-treated Wistar rats. <i>Journal of Hazardous Materials</i> , 2020, 384, 121361.	12.4	32
24	Transcriptomic analyses of human bronchial epithelial cells BEAS-2B exposed to atmospheric fine particulate matter PM2.5. <i>Toxicology in Vitro</i> , 2017, 42, 171-181.	2.4	31
25	Disturbed mitochondrial quality control involved in hepatocytotoxicity induced by silica nanoparticles. <i>Nanoscale</i> , 2020, 12, 13034-13045.	5.6	31
26	Developmental toxicity of CdTe QDs in zebrafish embryos and larvae. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	26
27	Silica nanoparticles induce spermatocyte cell autophagy through microRNA-494 targeting AKT in GC-2spd cells. <i>Environmental Pollution</i> , 2019, 255, 113172.	7.5	26
28	&lt;p&gt;Repeated intravenous administration of silica nanoparticles induces pulmonary inflammation and collagen accumulation via JAK2/STAT3 and TGF-β <sup>2</sup> /Smad3 pathways in vivo&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 7237-7247.	6.7	26
29	Endoplasmic reticulum stress-dependent oxidative stress mediated vascular injury induced by silica nanoparticles in vivo and in vitro. <i>NanoImpact</i> , 2019, 14, 100169.	4.5	26
30	Silica nanoparticles induce reversible damage of spermatogenic cells via RIPK1 signal pathways in C57 mice. <i>International Journal of Nanomedicine</i> , 2016, 11, 2251.	6.7	25
31	Silica nanoparticles induce abnormal mitosis and apoptosis via PKC-β-mediated negative signaling pathway in GC-2 cells of mice. <i>Chemosphere</i> , 2018, 208, 942-950.	8.2	22
32	Integrative proteomics and metabolomics approach to elucidate metabolic dysfunction induced by silica nanoparticles in hepatocytes. <i>Journal of Hazardous Materials</i> , 2022, 434, 128820.	12.4	20
33	Silica nanoparticles induce cardiac injury and dysfunction via ROS/Ca <sup>2+</sup> /CaMKII signaling. <i>Science of the Total Environment</i> , 2022, 837, 155733.	8.0	19
34	Silica nanoparticles induce spermatocyte cell apoptosis through microRNA-2861 targeting death receptor pathway. <i>Chemosphere</i> , 2019, 228, 709-720.	8.2	18
35	Independent effect of main components in particulate matter on DNA methylation and DNA methyltransferase: A molecular epidemiology study. <i>Environment International</i> , 2020, 134, 105296.	10.0	18
36	Erythrocyte-biomimetic nanosystems to improve antitumor effects of paclitaxel on epithelial cancers. <i>Journal of Controlled Release</i> , 2022, 345, 744-754.	9.9	18

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37	Lysosomal impairment-mediated autophagy dysfunction responsible for the vascular endothelial apoptosis caused by silica nanoparticle via ROS/PARP1/AIF signaling pathway. <i>Environmental Pollution</i> , 2022, 304, 119202.	7.5	18
38	Endosulfan activates the extrinsic coagulation pathway by inducing endothelial cell injury in rats. <i>Environmental Science and Pollution Research</i> , 2015, 22, 15722-15730.	5.3	17
39	Polycyclic aromatic hydrocarbons exposure and hematotoxicity in occupational population: A two-year follow-up study. <i>Toxicology and Applied Pharmacology</i> , 2019, 378, 114622.	2.8	17
40	Dynamic recovery after acute single fine particulate matter exposure in male mice: Effect on lipid deregulation and cardiovascular alterations. <i>Journal of Hazardous Materials</i> , 2021, 414, 125504.	12.4	17
41	Silica nanoparticles induced the pre-thrombotic state in rats via activation of coagulation factor XII and the JNK-NF- $\kappa$ B/AP-1 pathway. <i>Toxicology Research</i> , 2015, 4, 1453-1464.	2.1	16
42	Plasma kinetics and biodistribution of water-soluble CdTe quantum dots in mice: a comparison between Cd and Te. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5373-5380.	1.9	15
43	Long-term respiratory exposure to amorphous silica nanoparticles promoted systemic inflammation and progression of fibrosis in a susceptible mouse model. <i>Chemosphere</i> , 2022, 300, 134633.	8.2	15
44	Endosulfan induces cell dysfunction through cycle arrest resulting from DNA damage and DNA damage response signaling pathways. <i>Science of the Total Environment</i> , 2017, 589, 97-106.	8.0	12
45	Silica nanoparticles perturbed mitochondrial dynamics and induced myocardial apoptosis via PKA-DRP1-mitochondrial fission signaling. <i>Science of the Total Environment</i> , 2022, 842, 156854.	8.0	12
46	Silica nanoparticles inhibiting the differentiation of round spermatid and chromatin remodeling of haploid period via MIWI in mice. <i>Environmental Pollution</i> , 2021, 284, 117446.	7.5	10
47	Gold Nanorods Functionalized with Cathepsin B Targeting Peptide and Doxorubicin for Combinatorial Therapy against Multidrug Resistance. <i>ACS Applied Bio Materials</i> , 2019, 2, 5697-5706.	4.6	9
48	Enhanced effects of TRAIL-endostatin-based double-gene-radiotherapy on suppressing growth, promoting apoptosis and inducing cell cycle arrest in vascular endothelial cells. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2012, 32, 167-172.	1.0	8
49	Myocardial toxicity induced by silica nanoparticles in a transcriptome profile. <i>Nanoscale</i> , 2022, 14, 6094-6108.	5.6	8
50	Nanosilica induced dose-dependent cytotoxicity and cell type-dependent multinucleation in HepG2 and L-02 cells. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	4
51	The alterations of miRNA and mRNA expression profile and their integration analysis induced by silica nanoparticles in spermatocyte cells. <i>NanoImpact</i> , 2021, 23, 100348.	4.5	3
52	Accumulated oxidative stress risk in HUVECs by chronic exposure to non-observable acute effect levels of PM2.5. <i>Toxicology in Vitro</i> , 2022, , 105376.	2.4	2
53	Polycyclic aromatic hydrocarbons in particulate matter and serum club cell secretory protein change among schoolchildren: A molecular epidemiology study. <i>Environmental Research</i> , 2021, 192, 110300.	7.5	1