Yanbo Li

List of Publications by Year in descending order

53 papers	2,256 citations	218381 26 h-index	223531 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-κB signaling. International Journal of Nanomedicine, 2015, 10, 1463.	3.3	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. International Journal of Nanomedicine, 2016, Volume 11, 5257-5276.	3.3	176
3	Toxic Effect of Silica Nanoparticles on Endothelial Cells through DNA Damage Response via Chk1-Dependent G2/M Checkpoint. PLoS ONE, 2013, 8, e62087.	1.1	174
4	Size-dependent cytotoxicity of amorphous silica nanoparticles in human hepatoma HepG2 cells. Toxicology in Vitro, 2011, 25, 1343-1352.	1.1	167
5	Low-dose exposure of silica nanoparticles induces cardiac dysfunction via neutrophil-mediated inflammation and cardiac contraction in zebrafish embryos. Nanotoxicology, 2016, 10, 575-585.	1.6	112
6	Mitochondrial dysfunction, perturbations of mitochondrial dynamics and biogenesis involved in endothelial injury induced by silica nanoparticles. Environmental Pollution, 2018, 236, 926-936.	3.7	107
7	Association between ambient air pollution and pregnancy complications: A systematic review and meta-analysis of cohort studies. Environmental Research, 2020, 185, 109471.	3.7	78
8	Silica nanoparticles induce liver fibrosis via TGF-β₁/Smad3 pathway in ICR mice. International Journal of Nanomedicine, 2017, Volume 12, 6045-6057.	3.3	67
9	Silica nanoparticles promote oxLDL-induced macrophage lipid accumulation and apoptosis via endoplasmic reticulum stress signaling. Science of the Total Environment, 2018, 631-632, 570-579.	3.9	67
10	Silica nanoparticles induced endothelial apoptosis via endoplasmic reticulum stress-mitochondrial apoptotic signaling pathway. Chemosphere, 2018, 210, 183-192.	4.2	63
11	PM2.5 triggered apoptosis in lung epithelial cells through the mitochondrial apoptotic way mediated by a ROS-DRP1-mitochondrial fission axis. Journal of Hazardous Materials, 2020, 397, 122608.	6.5	60
12	Adverse effects of amorphous silica nanoparticles: Focus on human cardiovascular health. Journal of Hazardous Materials, 2021, 406, 124626.	6.5	59
13	Biomarkers for the adverse effects on respiratory system health associated with atmospheric particulate matter exposure. Journal of Hazardous Materials, 2022, 421, 126760.	6.5	58
14	Silica nanoparticles induced intrinsic apoptosis in neuroblastoma SH-SY5Y cells via CytC/Apaf-1 pathway. Environmental Toxicology and Pharmacology, 2017, 52, 161-169.	2.0	46
15	Amorphous silica nanoparticles induce malignant transformation and tumorigenesis of human lung epithelial cells via P53 signaling. Nanotoxicology, 2017, 11, 1176-1194.	1.6	41
16	Metabolic impact induced by total, water soluble and insoluble components of PM2.5 acute exposure in mice. Chemosphere, 2018, 207, 337-346.	4.2	41
17	Oxidative stress- and mitochondrial dysfunction-mediated cytotoxicity by silica nanoparticle in lung epithelial cells from metabolomic perspective. Chemosphere, 2021, 275, 129969.	4.2	41
18	Comprehensive understanding of PM2.5 on gene and microRNA expression patterns in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10	3.9	38

#	Article	IF	Citations
19	Ambient particulate matter compositions and increased oxidative stress: Exposure-response analysis among high-level exposed population. Environment International, 2021, 147, 106341.	4.8	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. PLoS ONE, 2016, 11, e0158475.	1.1	37
21	Amorphous silica nanoparticles accelerated atherosclerotic lesion progression in ApoEâ^'/â^' mice through endoplasmic reticulum stress-mediated CD36 up-regulation in macrophage. Particle and Fibre Toxicology, 2020, 17, 50.	2.8	36
22	Silica nanoparticles induce start inhibition of meiosis and cell cycle arrest via down-regulating meiotic relevant factors. Toxicology Research, 2016, 5, 1453-1464.	0.9	32
23	Silica nanoparticles exacerbates reproductive toxicity development in high-fat diet-treated Wistar rats. Journal of Hazardous Materials, 2020, 384, 121361.	6.5	32
24	Transcriptomic analyses of human bronchial epithelial cells BEAS-2B exposed to atmospheric fine particulate matter PM2.5. Toxicology in Vitro, 2017, 42, 171-181.	1.1	31
25	Disturbed mitochondrial quality control involved in hepatocytotoxicity induced by silica nanoparticles. Nanoscale, 2020, 12, 13034-13045.	2.8	31
26	Developmental toxicity of CdTe QDs in zebrafish embryos and larvae. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	26
27	Silica nanoparticles induce spermatocyte cell autophagy through microRNA-494 targeting AKT in GC-2spd cells. Environmental Pollution, 2019, 255, 113172.	3.7	26
28	Repeated intravenous administration of silica nanoparticles induces pulmonary inflammation and collagen accumulation via JAK2/STAT3 and TGF-Î²/Smad3 pathways in vivo . International Journal of Nanomedicine, 2019, Volume 14, 7237-7247.	3.3	26
29	Endoplasmic reticulum stress-dependent oxidative stress mediated vascular injury induced by silica nanoparticles in vivo and in vitro. NanoImpact, 2019, 14, 100169.	2.4	26
30	Silica nanoparticles induce reversible damage of spermatogenic cells via RIPK1 signal pathways in C57 mice. International Journal of Nanomedicine, 2016, 11, 2251.	3.3	25
31	Silica nanoparticles induce abnormal mitosis and apoptosis via PKC-Î´Âmediated negative signaling pathway in GC-2â€cells of mice. Chemosphere, 2018, 208, 942-950.	4.2	22
32	Integrative proteomics and metabolomics approach to elucidate metabolic dysfunction induced by silica nanoparticles in hepatocytes. Journal of Hazardous Materials, 2022, 434, 128820.	6.5	20
33	Silica nanoparticles induce cardiac injury and dysfunction via ROS/Ca2+/CaMKII signaling. Science of the Total Environment, 2022, 837, 155733.	3.9	19
34	Silica nanoparticles induce spermatocyte cell apoptosis through microRNA-2861 targeting death receptor pathway. Chemosphere, 2019, 228, 709-720.	4.2	18
35	Independent effect of main components in particulate matter on DNA methylation and DNA methyltransferase: A molecular epidemiology study. Environment International, 2020, 134, 105296.	4.8	18
36	Erythrocyte-biomimetic nanosystems to improve antitumor effects of paclitaxel on epithelial cancers. Journal of Controlled Release, 2022, 345, 744-754.	4.8	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. Environmental Pollution, 2022, 304, 119202.	3.7	18
38	Endosulfan activates the extrinsic coagulation pathway by inducing endothelial cell injury in rats. Environmental Science and Pollution Research, 2015, 22, 15722-15730.	2.7	17
39	Polycyclic aromatic hydrocarbons exposure and hematotoxicity in occupational population: A two-year follow-up study. Toxicology and Applied Pharmacology, 2019, 378, 114622.	1.3	17
40	Dynamic recovery after acute single fine particulate matter exposure in male mice: Effect on lipid deregulation and cardiovascular alterations. Journal of Hazardous Materials, 2021, 414, 125504.	6.5	17
41	Silica nanoparticles induced the pre-thrombotic state in rats via activation of coagulation factor XII and the JNK-NF-Î²B/AP-1 pathway. Toxicology Research, 2015, 4, 1453-1464.	0.9	16
42	Plasma kinetics and biodistribution of water-soluble CdTe quantum dots in mice: a comparison between Cd and Te. Journal of Nanoparticle Research, 2011, 13, 5373-5380.	0.8	15
43	Long-term respiratory exposure to amorphous silica nanoparticles promoted systemic inflammation and progression of fibrosis in a susceptible mouse model. Chemosphere, 2022, 300, 134633.	4.2	15
44	Endosulfan induces cell dysfunction through cycle arrest resulting from DNA damage and DNA damage response signaling pathways. Science of the Total Environment, 2017, 589, 97-106.	3.9	12
45	Silica nanoparticles perturbed mitochondrial dynamics and induced myocardial apoptosis via PKA-DRP1-mitochondrial fission signaling. Science of the Total Environment, 2022, 842, 156854.	3.9	12
46	Silica nanoparticles inhibiting the differentiation of round spermatid and chromatin remodeling of haploid period via MIWI in mice. Environmental Pollution, 2021, 284, 117446.	3.7	10
47	Gold Nanorods Functionalized with Cathepsin B Targeting Peptide and Doxorubicin for Combinatorial Therapy against Multidrug Resistance. ACS Applied Bio Materials, 2019, 2, 5697-5706.	2.3	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. Journal of Huazhong University of Science and Technology [Medical Sciences], 2012, 32, 167-172.	1.0	8
49	Myocardial toxicity induced by silica nanoparticles in a transcriptome profile. Nanoscale, 2022, 14, 6094-6108.	2.8	8
50	Nanosilica induced dose-dependent cytotoxicity and cell type-dependent multinucleation in HepG2 and L-02 cells. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	4
51	The alterations of miRNA and mRNA expression profile and their integration analysis induced by silica nanoparticles in spermatocyte cells. NanoImpact, 2021, 23, 100348.	2.4	3
52	Accumulated oxidative stress risk in HUVECs by chronic exposure to non-observable acute effect levels of PM2.5. Toxicology in Vitro, 2022, , 105376.	1.1	2
53	Polycyclic aromatic hydrocarbons in particulate matter and serum club cell secretory protein change among schoolchildren: A molecular epidemiology study. Environmental Research, 2021, 192, 110300.	3.7	1