Yan Yuan

List of Publications by Year
in descending order

97 papers	2,562 citations	147726 31 h-index	233338 45 g-index
100 all docs	100 docs citations	100 times ranked	2801 citing authors

#	Article	IF	Citations
1	Cadmium-Induced Apoptosis in Primary Rat Cerebral Cortical Neurons Culture Is Mediated by a Calcium Signaling Pathway. PLoS ONE, 2013, 8, e64330.	1.1	132
2	Zearalenone induces apoptosis and cytoprotective autophagy in primary Leydig cells. Toxicology Letters, 2014, 226, 182-191.	0.4	128
3	ROS-Mediated Cell Cycle Arrest and Apoptosis Induced by Zearalenone in Mouse Sertoli Cells via ER Stress and the ATP/AMPK Pathway. Toxins, 2018, 10, 24.	1.5	106
4	Effects of zearalenone and its derivatives on the synthesis and secretion of mammalian sex steroid hormones: A review. Food and Chemical Toxicology, 2019, 126, 262-276.	1.8	76
5	Zearalenone Promotes Cell Proliferation or Causes Cell Death?. Toxins, 2018, 10, 184.	1.5	65
6	Induction of cytoprotective autophagy in PC-12 cells by cadmium. Biochemical and Biophysical Research Communications, 2013, 438, 186-192.	1.0	64
7	Cadmium-induced apoptosis in neuronal cells is mediated by Fas/FasL-mediated mitochondrial apoptotic signaling pathway. Scientific Reports, 2018, 8, 8837.	1.6	64
8	The Effects of Autophagy and PI3K/AKT/m-TOR Signaling Pathway on the Cell-Cycle Arrest of Rats Primary Sertoli Cells Induced by Zearalenone. Toxins, 2018, 10, 398.	1.5	63
9	Cadmium exposure triggers osteoporosis in duck via P2X7/PI3K/AKT-mediated osteoblast and osteoclast differentiation. Science of the Total Environment, 2021, 750, 141638.	3.9	60
10	Zearalenone altered the cytoskeletal structure via ER stress- autophagy- oxidative stress pathway in mouse TM4 Sertoli cells. Scientific Reports, 2018, 8, 3320.	1.6	58
11	Calciumâ€“calmodulin signaling elicits mitochondrial dysfunction and the release of cytochrome c during cadmium-induced apoptosis in primary osteoblasts. Toxicology Letters, 2014, 224, 1-6.	0.4	53
12	Zearalenone inhibits testosterone biosynthesis in mouse Leydig cells via the crosstalk of estrogen receptor signaling and orphan nuclear receptor Nur77 expression. Toxicology in Vitro, 2014, 28, 647-656.	1.1	52
13	Autophagy and gap junctional intercellular communication inhibition are involved in cadmium-induced apoptosis in rat liver cells. Biochemical and Biophysical Research Communications, 2015, 459, 713-719.	1.0	50
14	CaMKâ...¡ mediates cadmium induced apoptosis in rat primary osteoblasts through MAPK activation and endoplasmic reticulum stress. Toxicology, 2018, 406-407, 70-80.	2.0	50
15	Zearalenone impairs the male reproductive system functions via inducing structural and functional alterations of sertoli cells. Environmental Toxicology and Pharmacology, 2016, 42, 146-155.	2.0	48
16	Cadmium-induced cytotoxicity in mouse liver cells is associated with the disruption of autophagic flux via inhibiting the fusion of autophagosomes and lysosomes. Toxicology Letters, 2020, 321, 32-43.	0.4	48
17	The ER stress regulator Bip mediates cadmium-induced autophagy and neuronal senescence. Scientific Reports, 2016, 6, 38091.	1.6	47
18	Beclin-1-mediated Autophagy Protects Against Cadmium-activated Apoptosis via the Fas/FasL Pathway in Primary Rat Proximal Tubular Cell Culture. Scientific Reports, 2017, 7, 977.	1.6	44

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19	Cadmium induces apoptosis in primary rat osteoblasts through caspase and mitogen-activated protein kinase pathways. Journal of Veterinary Science, 2015, 16, 297.	0.5	39
20	Cadmium Exposure of Female Mice Impairs the Meiotic Maturation of Oocytes and Subsequent Embryonic Development. Toxicological Sciences, 2018, 164, 289-299.	1.4	39
21	Cadmium Activates Reactive Oxygen Species-dependent AKT/mTOR and Mitochondrial Apoptotic Pathways in Neuronal Cells. Biomedical and Environmental Sciences, 2016, 29, 117-26.	0.2	39
22	Role of autophagy in cadmium-induced apoptosis of primary rat osteoblasts. Scientific Reports, 2016, 6, 20404.	1.6	37
23	ERK1/2 MAPK promotes autophagy to suppress ER stress-mediated apoptosis induced by cadmium in rat proximal tubular cells. Toxicology in Vitro, 2018, 52, 60-69.	1.1	37
24	Zearalenone induces apoptosis of rat Sertoli cells through Fasâ€Fas ligand and mitochondrial pathway. Environmental Toxicology, 2019, 34, 424-433.	2.1	37
25	Effects of Cadmium and/or Lead on Autophagy and Liver Injury in Rats. Biological Trace Element Research, 2020, 198, 206-215.	1.9	37
26	Caspase-Dependent and Caspase-Independent Pathways Are Involved in Cadmium-Induced Apoptosis in Primary Rat Proximal Tubular Cell Culture. PLoS ONE, 2016, 11, e0166823.	1.1	37
27	Osteoprotegerin Induces Apoptosis of Osteoclasts and Osteoclast Precursor Cells via the Fas/Fas Ligand Pathway. PLoS ONE, 2015, 10, e0142519.	1.1	36
28	Cadmium Induces PC12 Cells Apoptosis via an Extracellular Signal-Regulated Kinase and c-Jun N-Terminal Kinase-Mediated Mitochondrial Apoptotic Pathway. Biological Trace Element Research, 2014, 158, 249-258.	1.9	35
29	Autophagy Plays a Cytoprotective Role During Cadmium-Induced Oxidative Damage in Primary Neuronal Cultures. Biological Trace Element Research, 2015, 168, 481-489.	1.9	34
30	Alpha-lipoic acid protects against cadmium-induced neuronal injury by inhibiting the endoplasmic reticulum stress eIF2Î±-ATF4 pathway in rat cortical neurons in vitro and in vivo. Toxicology, 2019, 414, 1-13.	2.0	34
31	Effects of 1Î±,25-(OH)2D3 on the formation and activity of osteoclasts in RAW264.7 cells. Journal of Steroid Biochemistry and Molecular Biology, 2015, 152, 25-33.	1.2	33
32	Cadmium induced inhibition of autophagy is associated with microtubule disruption and mitochondrial dysfunction in primary rat cerebral cortical neurons. Neurotoxicology and Teratology, 2016, 53, 11-18.	1.2	32
33	The role of mitogen-activated protein kinase in cadmium-induced primary rat cerebral cortical neurons apoptosis via a mitochondrial apoptotic pathway. Journal of Trace Elements in Medicine and Biology, 2015, 29, 275-283.	1.5	31
34	Treatment of cadmium-induced renal oxidative damage in rats by administration of alpha-lipoic acid. Environmental Science and Pollution Research, 2017, 24, 1832-1844.	2.7	29
35	Cadmium induces mitophagy via AMPâ€activated protein kinases activation in a PINK1/Parkinâ€dependent manner in PC12 cells. Cell Proliferation, 2020, 53, e12817.	2.4	29
36	Salidroside Protects against Cadmium-Induced Hepatotoxicity in Rats via GJIC and MAPK Pathways. PLoS ONE, 2015, 10, e0129788.	1.1	28

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37	PARP-1 overexpression contributes to Cadmium-induced death in rat proximal tubular cells via parthanatos and the MAPK signalling pathway. Scientific Reports, 2017, 7, 4331.	1.6	25
38	Inhibition of osteoclast bone resorption activity through osteoprotegerin-induced damage of the sealing zone. International Journal of Molecular Medicine, 2014, 34, 856-862.	1.8	24
39	Cadmium induces apoptosis via generating reactive oxygen species to activate mitochondrial p53 pathway in primary rat osteoblasts. Toxicology, 2020, 446, 152611.	2.0	24
40	Ca2+/CaM/CaMK signaling is involved in cadmium-induced osteoclast differentiation. Toxicology, 2020, 441, 152520.	2.0	23
41	Decrease in immune function and the role of mitogen-activated protein kinase (MAPK) overactivation in apoptosis during T lymphocytes activation induced by zearalenone, deoxynivalenol, and their combinations. Chemosphere, 2020, 255, 126999.	4.2	22
42	ZEA-induced autophagy in TM4 cells was mediated by the release of Ca2+ activates CaMKKÎ²-AMPK signaling pathway in the endoplasmic reticulum. Toxicology Letters, 2020, 323, 1-9.	0.4	22
43	Osteoprotegerin influences the bone resorption activity of osteoclasts. International Journal of Molecular Medicine, 2013, 31, 1411-1417.	1.8	20
44	Cadmium-induced autophagy promotes survival of rat cerebral cortical neurons by activating class III phosphoinositide 3-kinase/beclin-1/B-cell lymphoma 2 signaling pathways. Molecular Medicine Reports, 2015, 12, 2912-2918.	1.1	20
45	The effect of P2X7 on cadmium-induced osteoporosis in mice. Journal of Hazardous Materials, 2021, 405, 124251.	6.5	20
46	Regulation of matrix metalloproteinase-9 protein expression by 1Î±,25-(OH)₂D₃during osteoclast differentiation. Journal of Veterinary Science, 2014, 15, 133.	0.5	19
47	Alpha-lipoic acid protects against cadmium-induced hepatotoxicity via calcium signalling and gap junctional intercellular communication in rat hepatocytes. Journal of Toxicological Sciences, 2015, 40, 469-477.	0.7	19
48	TGF-Î²-activated kinase 1 (TAK1) mediates cadmium-induced autophagy in osteoblasts via the AMPK / mTORC1 / ULK1 pathway. Toxicology, 2020, 442, 152538.	2.0	19
49	Ca2+ transfer via the ER-mitochondria tethering complex in neuronal cells contribute to cadmium-induced autophagy. Cell Biology and Toxicology, 2022, 38, 469-485.	2.4	19
50	Zearalenone inhibits T cell chemotaxis by inhibiting cell adhesion and migration related proteins. Ecotoxicology and Environmental Safety, 2019, 175, 263-271.	2.9	18
51	Antiosteoclastic bone resorption activity of osteoprotegerin via enhanced AKT/mTOR/ULK1â€mediated autophagic pathway. Journal of Cellular Physiology, 2020, 235, 3002-3012.	2.0	18
52	Quercetin and Allicin Can Alleviate the Hepatotoxicity of Lead (Pb) through the PI3K Signaling Pathway. Journal of Agricultural and Food Chemistry, 2021, 69, 9451-9460.	2.4	18
53	Cadmium exposure induces rat proximal tubular cells injury via p62-dependent Nrf2 nucleus translocation mediated activation of AMPK/AKT/mTOR pathway. Ecotoxicology and Environmental Safety, 2021, 214, 112058.	2.9	17
54	Zearalenone Exposure Disrupts Bloodâ€“Testis Barrier Integrity through Excessive Ca2+-Mediated Autophagy. Toxins, 2021, 13, 875.	1.5	17

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55	Cadmium-induced autophagy is mediated by oxidative signaling in PC-12 cells and is associated with cytoprotection. Molecular Medicine Reports, 2015, 12, 4448-4454.	1.1	16
56	Osteoprotegerin induces podosome disassembly in osteoclasts through calcium, ERK, and p38 MAPK signaling pathways. Cytokine, 2015, 71, 199-206.	1.4	16
57	Molecular Mechanism of Aflatoxin-Induced Hepatocellular Carcinoma Derived from a Bioinformatics Analysis. Toxins, 2020, 12, 203.	1.5	16
58	Mechanism and effects of Zearalenone on mouse T lymphocytes activation in vitro. Ecotoxicology and Environmental Safety, 2018, 162, 208-217.	2.9	15
59	IPSâ€1 plays a dual function to directly induce apoptosis in murine melanoma cells by inactivated Sendai virus. International Journal of Cancer, 2014, 134, 224-234.	2.3	14
60	Gap junction blockage promotes cadmium-induced apoptosis in BRL 3A derived from Buffalo rat liver cells. Journal of Veterinary Science, 2016, 17, 63.	0.5	14
61	Osteoprotegerin disrupts peripheral adhesive structures of osteoclasts by modulating Pyk2 and Src activities. Cell Adhesion and Migration, 2016, 10, 299-309.	1.1	14
62	Role of poly (ADP-ribose) polymerase-1 in cadmium-induced cellular DNA damage and cell cycle arrest in rat renal tubular epithelial cell line NRK-52E. Environmental Pollution, 2020, 261, 114149.	3.7	14
63	RhoV mediates apoptosis of RAW264.7 macrophages caused by osteoclast differentiation. Molecular Medicine Reports, 2015, 11, 1153-1159.	1.1	13
64	Puerarin Attenuates Cadmium-Induced Neuronal Injury via Stimulating Cadmium Excretion, Inhibiting Oxidative Stress and Apoptosis. Biomolecules, 2021, 11, 978.	1.8	13
65	Inhibitory effects of osteoprotegerin on osteoclast formation and function under serum-free conditions. Journal of Veterinary Science, 2013, 14, 405.	0.5	12
66	Influence of osteoprotegerin on differentiation, activation, and apoptosis of Gaoyou duck embryo osteoclasts in vitro. Poultry Science, 2013, 92, 1613-1620.	1.5	10
67	Osteoprotegerin exposure at different stages of osteoclastogenesis differentially affects osteoclast formation and function. Cytotechnology, 2016, 68, 1325-1335.	0.7	10
68	Effect of oleic acid on induction of steatosis and cytotoxicity in BRL 3A cells. Journal of Cellular Biochemistry, 2019, 120, 19541-19554.	1.2	10
69	Gap Junction Intercellular Communication Negatively Regulates Cadmium-Induced Autophagy and Inhibition of Autophagic Flux in Buffalo Rat Liver 3A Cells. Frontiers in Pharmacology, 2020, 11, 596046.	1.6	10
70	Salidroside Ameliorates Cd-Induced Calcium Overload and Gap Junction Dysfunction in BRL 3A Rat Liver Cells. Biological Trace Element Research, 2015, 164, 90-98.	1.9	9
71	Cadmium Toxicity on Chondrocytes and the Palliative Effects of 1Î±, 25-Dihydroxy Vitamin D3 in White Leghorns Chicken's Embryo. Frontiers in Veterinary Science, 2021, 8, 637369.	0.9	9
72	Induction of mitochondrial apoptosis pathway mediated through caspase-8 and c-Jun N-terminal kinase by cadmium-activated Fas in rat cortical neurons. Metallomics, 2021, 13, .	1.0	9

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73	MiR-155 promotes cadmium-induced autophagy in rat hepatocytes by suppressing Rheb expression. Ecotoxicology and Environmental Safety, 2021, 227, 112895.	2.9	9
74	Cadmium induces endosomal/lysosomal enlargement and blocks autophagy flux in rat hepatocytes by damaging microtubules. Ecotoxicology and Environmental Safety, 2021, 228, 112993.	2.9	9
75	Cadmium induces the differentiation of duck embryonic bone marrow cells into osteoclasts in vitro. Veterinary Journal, 2014, 200, 181-185.	0.6	8
76	Involvement of the mitogen-activated protein kinase signaling pathway in osteoprotegerin-induced inhibition of osteoclast differentiation and maturation. Molecular Medicine Reports, 2015, 12, 6939-6945.	1.1	8
77	Treatment with, Resveratrol, a SIRT1 Activator, Prevents Zearalenone-Induced Lactic Acid Metabolism Disorder in Rat Sertoli Cells. Molecules, 2019, 24, 2474.	1.7	8
78	Immunoadjuvant effects of Hemagglutinating virus of Japan envelope (HVJ-E) on the inactivated H9 subtype avian influenza virus vaccine. Veterinary Immunology and Immunopathology, 2011, 141, 116-123.	0.5	7
79	Involvement of the Ca2+signaling pathway in osteoprotegerin inhibition of osteoclast differentiation and maturation. Journal of Veterinary Science, 2015, 16, 151.	0.5	7
80	The Role of miRNAs in Zearalenone-Promotion of TM3 Cell Proliferation. International Journal of Environmental Research and Public Health, 2019, 16, 1517.	1.2	7
81	The epigenetic regulator BRD4 is involved in cadmium-triggered inflammatory response in rat kidney. Ecotoxicology and Environmental Safety, 2021, 224, 112620.	2.9	7
82	Effect of cell cycle synchronization on cadmium-induced apoptosis and necrosis in NRK-52E cells. Cell Cycle, 2020, 19, 3386-3397.	1.3	6
83	Zearalenone and deoxynivalenol inhibited IL-4 receptor-mediated Th2 cell differentiation and aggravated bacterial infection in mice. Toxicology and Applied Pharmacology, 2021, 415, 115441.	1.3	6
84	Puerarin Restores Autophagosome-Lysosome Fusion to Alleviate Cadmium-Induced Autophagy Blockade via Restoring the Expression of Rab7 in Hepatocytes. Frontiers in Pharmacology, 2021, 12, 632825.	1.6	6
85	Protective Effects of Î±-Lipoic Acid and Chlorogenic Acid on Cadmium-Induced Liver Injury in Three-Yellow Chickens. Animals, 2021, 11, 1606.	1.0	6
86	Zearalenone and deoxynivalenol reduced Th1-mediated cellular immune response after Listeria monocytogenes infection by inhibiting CD4+ T cell activation and differentiation. Environmental Pollution, 2021, 284, 117514.	3.7	6
87	Vitamin D Inhibition of TRPV5 Expression During Osteoclast Differentiation. International Journal of Endocrinology and Metabolism, 2019, 17, e91583.	0.3	6
88	Puerarin alleviates cadmium-induced mitochondrial mass decrease by inhibiting PINK1â€“Parkin and Nix-mediated mitophagy in rat cortical neurons. Ecotoxicology and Environmental Safety, 2022, 230, 113127.	2.9	6
89	ZEA and DON inhibited inflammation after L. monocytogenes infection and induced ribosomal hyperfunction. Ecotoxicology and Environmental Safety, 2022, 236, 113470.	2.9	6
90	1-Î±,25-dihydroxyvitamin D3 potentiates avian osteoclast activation by increasing the formation of zipper-like structure via Src/Rac1 signaling. Biochemical and Biophysical Research Communications, 2018, 501, 576-583.	1.0	5

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91	Activated AMPK promoted the decrease of lactate production in rat Sertoli cells exposed to Zearalenone. Ecotoxicology and Environmental Safety, 2021, 220, 112367.	2.9	5
92	1Î±,25-Dihydroxyvitamin D3 inhibits the differentiation and bone resorption by osteoclasts generated from Wistar rat bone marrow-derived macrophages. Experimental and Therapeutic Medicine, 2015, 10, 1039-1044.	0.8	4
93	Alpha-Lipoic Acid Attenuates Cadmium- and Lead-Induced Neurotoxicity by Inhibiting Both Endoplasmic-Reticulum Stress and Activation of Fas/FasL and Mitochondrial Apoptotic Pathways in Rat Cerebral Cortex. Neurotoxicity Research, 2021, 39, 1103-1115.	1.3	3
94	Role of calcium-sensing receptor in cadmium-induced apoptosis of rat primary osteoblasts in vitro. Toxicology in Vitro, 2020, 67, 104923.	1.1	2
95	Galectin-3 Contributes to the Inhibitory Effect of Î±,25-(OH)2D3 on Osteoclastogenesis. International Journal of Molecular Sciences, 2021, 22, 13334.	1.8	2
96	Puerarin prevents cadmiumâ€induced disorder of testicular lactic acid metabolism in rats by activating 5â€²<scp>AMP</scp>â€activated protein kinase (<scp>AMPK</scp>)/sirtuin 1 (<scp>SIRT1</scp>) signaling pathway. Environmental Toxicology, 2021, 36, 945-957.	2.1	1
97	The Role of Galectin-3 in 1Î±,25(OH)2D3-Regulated Osteoclast Formation from White Leghorn Chickens In Vitro. Veterinary Sciences, 2021, 8, 234.	0.6	1