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List of Publications by Year
in descending order

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70 papers	5,402 citations	117625 34 h-index	91884 69 g-index
72 all docs	72 docs citations	72 times ranked	7906 citing authors

#	Article	IF	Citations
1	Kidney injury molecule-1 outperforms traditional biomarkers of kidney injury in preclinical biomarker qualification studies. Nature Biotechnology, 2010, 28, 478-485.	17.5	552
2	Cellular Uptake and Fate of PEGylated Gold Nanoparticles Is Dependent on Both Cell-Penetration Peptides and Particle Size. ACS Nano, 2011, 5, 6434-6448.	14.6	381
3	Renal biomarker qualification submission: a dialog between the FDA-EMEA and Predictive Safety Testing Consortium. Nature Biotechnology, 2010, 28, 455-462.	17.5	355
4	Comparison of Kidney Injury Molecule-1 and Other Nephrotoxicity Biomarkers in Urine and Kidney Following Acute Exposure to Gentamicin, Mercury, and Chromium. Toxicological Sciences, 2008, 101, 159-170.	3.1	251
5	Physicochemical Characterization and In Vitro Hemolysis Evaluation of Silver Nanoparticles. Toxicological Sciences, 2011, 123, 133-143.	3.1	248
6	Stereolithography in tissue engineering. Journal of Materials Science: Materials in Medicine, 2014, 25, 845-856.	3.6	247
7	Metallothionein and other cadmium-binding proteins: recent developments. Chemical Research in Toxicology, 1990, 3, 281-288.	3.3	194
8	Silver nanoparticles: Significance of physicochemical properties and assay interference on the interpretation of in vitro cytotoxicity studies. Toxicology in Vitro, 2017, 38, 179-192.	2.4	182
9	Expression, Circulation, and Excretion Profile of MicroRNA-21, -155, and -18a Following Acute Kidney Injury. Toxicological Sciences, 2012, 129, 256-267.	3.1	173
10	Zinc-induced tolerance to cadmium hepatotoxicity. Toxicology and Applied Pharmacology, 1984, 74, 299-307.	2.8	152
11	Silver Nanoparticle-Induced Autophagic-Lysosomal Disruption and NLRP3-Inflammasome Activation in HepG2 Cells Is Size-Dependent. Toxicological Sciences, 2016, 150, 473-487.	3.1	150
12	Altered subcellular distribution of cadmium following cadmium pretreatment: Possible mechanism of tolerance to cadmium-induced lethality. Toxicology and Applied Pharmacology, 1983, 70, 195-203.	2.8	146
13	Interaction of copper with DNA and antagonism by other metals. Toxicology and Applied Pharmacology, 1991, 110, 477-485.	2.8	126
14	Towards consensus practices to qualify safety biomarkers for use in early drug development. Nature Biotechnology, 2010, 28, 446-454.	17.5	113
15	Distribution of silver nanoparticles in pregnant mice and developing embryos. Nanotoxicology, 2012, 6, 912-922.	3.0	104
16	Comparison of cytotoxic and inflammatory responses of photoluminescent silicon nanoparticles with silicon micronâ€sized particles in RAW 264.7 macrophages. Journal of Applied Toxicology, 2009, 29, 52-60.	2.8	103
17	Bisphenol A-Induced Increase in Uterine Weight and Alterations in Uterine Morphology in Ovariectomized B6C3F1 Mice: Role of the Estrogen Receptor. Toxicological Sciences, 2000, 56, 332-339.	3.1	101
18	Tolerance to cadmium-induced hepatotoxicity following cadmium pretreatment. Toxicology and Applied Pharmacology, 1984, 74, 308-313.	2.8	96

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19	Uptake of gold nanoparticles in murine macrophage cells without cytotoxicity or production of pro-inflammatory mediators. Nanotoxicology, 2011, 5, 284-295.	3.0	95
20	Effect of intratracheal gallium arsenide administration on Î´-aminolevulinic acid dehydratase in rats: Relationship to urinary excretion of aminolevulinic acid. Toxicology and Applied Pharmacology, 1988, 92, 179-193.	2.8	86
21	Differential Hepatotoxicity Induced by Cadmium in Fischer 344 and Sprague-Dawley Rats. Toxicological Sciences, 2002, 65, 151-159.	3.1	71
22	Resistance to cadmium-induced hepatotoxicity in immature rats. Toxicology and Applied Pharmacology, 1984, 74, 321-329.	2.8	68
23	Immunolocalization of Kim-1, RPA-1, and RPA-2 in Kidney of Gentamicin-, Mercury-, or Chromium-Treated Rats: Relationship to Renal Distributions of iNOS and Nitrotyrosine. Toxicologic Pathology, 2008, 36, 397-409.	1.8	68
24	Biological responses to immobilized microscale and nanoscale surface topographies. , 2018, 182, 33-55.		68
25	Relationship between stress protein induction in rat kidney by mercuric chloride and nephrotoxicity. Toxicology and Applied Pharmacology, 1992, 113, 184-191.	2.8	67
26	Laser 3D Printing with Subâ€Microscale Resolution of Porous Elastomeric Scaffolds for Supporting Human Bone Stem Cells. Advanced Healthcare Materials, 2015, 4, 739-747.	7.6	65
27	Flow cytometry evaluation of inÂvitro cellular necrosis and apoptosis induced by silver nanoparticles. Food and Chemical Toxicology, 2015, 85, 45-51.	3.6	64
28	Distribution and accumulation of 10â€‰nm silver nanoparticles in maternal tissues and visceral yolk sac of pregnant mice, and a potential effect on embryo growth. Nanotoxicology, 2016, 10, 654-661.	3.0	51
29	Fibrinogen Excretion in the Urine and Immunoreactivity in the Kidney Serves as a Translational Biomarker for Acute Kidney Injury. American Journal of Pathology, 2012, 181, 818-828.	3.8	44
30	Toxicity and photosensitizing assessment of gelatin methacryloyl-based hydrogels photoinitiated with lithium phenyl-2,4,6-trimethylbenzoylphosphinate in human primary renal proximal tubule epithelial cells. Biointerphases, 2019, 14, 021007.	1.6	44
31	Regulation of uterine hsp90Î±, hsp72 and HSF-1 transcription in B6C3F1 mice by Î²-estradiol and bisphenol A: involvement of the estrogen receptor and protein kinase C. Toxicology Letters, 2003, 144, 257-270.	0.8	42
32	Differences in Immunolocalization of Kim-1, RPA-1, and RPA-2 in Kidneys of Gentamicin-, Cisplatin-, and Valproic Acid-Treated Rats: Potential Role of iNOS and Nitrotyrosine. Toxicologic Pathology, 2009, 37, 629-643.	1.8	37
33	Induction of hepatic metallothionein in mouse liver following administration of chelating agents. Toxicology and Applied Pharmacology, 1985, 80, 467-472.	2.8	36
34	Kidney zinc-thionein regulation of Î´-aminolevulinic acid dehydratase inhibition by lead. Archives of Biochemistry and Biophysics, 1987, 253, 48-55.	3.0	36
35	In vivo31P nuclear magnetic resonance studies of arsenite induced changes in hepatic phosphate levels. Biochemical and Biophysical Research Communications, 1986, 139, 228-234.	2.1	30
36	Cytotoxic evaluation of nanostructured zinc oxide (ZnO) thin films and leachates. Toxicology in Vitro, 2014, 28, 1144-1152.	2.4	29

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37	Mechanism of manganese-induced tolerance to cadmium lethality and hepatotoxicity. Biochemical Pharmacology, 1985, 34, 1371-1379.	4.4	28
38	Urinary biomarkers track the progression of nephropathy in hypertensive and obese rats. Biomarkers in Medicine, 2014, 8, 85-94.	1.4	27
39	Effects of Particulate and Soluble Cadmium Species on Biochemical and Functional Parameters in Cultured Murine Macrophages. In Vitro & Molecular Toxicology, 2000, 13, 125-136.	0.7	26
40	Evaluating the potential of gold, silver, and silica nanoparticles to saturate mononuclear phagocytic system tissues under repeat dosing conditions. Particle and Fibre Toxicology, 2017, 14, 25.	6.2	26
41	Stress protein synthesis induced by cadmium-cysteine in rat kidney. Toxicology, 1993, 85, 25-39.	4.2	25
42	Cytotoxicity, cellular uptake and apoptotic responses in human coronary artery endothelial cells exposed to ultrasmall superparamagnetic iron oxide nanoparticles. Journal of Applied Toxicology, 2020, 40, 918-930.	2.8	25
43	Effects of 17Î±-methyltestosterone on uterine morphology and heat shock protein expression are mediated through estrogen and androgen receptors. Journal of Steroid Biochemistry and Molecular Biology, 2002, 82, 305-314.	2.5	24
44	Nanoporous Aluminum Oxide Membranes Coated with Atomic Layer Deposition-Grown Titanium Dioxide for Biomedical Applications: An <I>In</I> <I>Vitro</I> Evaluation. Journal of Biomedical Nanotechnology, 2015, 11, 2275-2285.	1.1	21
45	Laser micro- and nanofabrication of biomaterials. MRS Bulletin, 2011, 36, 973-982.	3.5	20
46	Mercuric chloride-induced apoptosis is dependent on protein synthesis. Toxicology Letters, 1999, 105, 183-195.	0.8	19
47	Intracellular accumulation and dissolution of silver nanoparticles in L-929 fibroblast cells using live cell time-lapse microscopy. Nanotoxicology, 2016, 10, 710-719.	3.0	18
48	Urinary Biomarker Detection of Melamine- and Cyanuric Acid-Induced Kidney Injury in Rats. Toxicological Sciences, 2012, 129, 1-8.	3.1	17
49	Effects of nanotopography on the in vitro hemocompatibility of nanocrystalline diamond coatings. Journal of Biomedical Materials Research - Part A, 2017, 105, 253-264.	4.0	17
50	Nanosilver-PMMA composite coating optimized to provide robust antibacterial efficacy while minimizing human bone marrow stromal cell toxicity. Toxicology in Vitro, 2017, 44, 248-255.	2.4	17
51	Regulatory Roles of High-Affinity Metal-Binding Proteins in Mediating Lead Effects on ?-Aminolevulinic Acid Dehydratase. Annals of the New York Academy of Sciences, 1987, 514, 235-247.	3.8	14
52	Prevention of Ultraviolet (UV)-Induced Surface Damage and Cytotoxicity of Polyethersulfone Using Atomic Layer Deposition (ALD) Titanium Dioxide. Jom, 2013, 65, 550-556.	1.9	14
53	Effects of iron oxide nanoparticles on biological responses and <scp>MR</scp> imaging properties in human mammary healthy and breast cancer epithelial cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1032-1042.	3.4	14
54	Biological Response of Human Bone Marrow-Derived Mesenchymal Stem Cells to Commercial Tantalum Coatings with Microscale and Nanoscale Surface Topographies. Jom, 2016, 68, 1672-1678.	1.9	14

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55	Inhibition of liver, kidney, and erythrocyte Î´-aminolevulinic acid dehydratase (porphobilinogen) Tj ETQq1 1 0.784314 rgBT /Overlock 1	7.5	13
56	Development of an Animal Model for Testing Human Breast Implantation Materials. Toxicologic Pathology, 1993, 21, 261-273.	1.8	13
57	The Road to Elucidating the Mechanism of Manganese-Bilirubin-Induced Cholestasis. Toxicological Sciences, 2003, 73, 216-219.	3.1	13
58	In Vitro Cytotoxicity of Rare Earth Oxide Nanoparticles for Imaging Applications. International Journal of Applied Ceramic Technology, 2012, 9, 881-892.	2.1	13
59	Effects of Subcytotoxic Exposure of Silver Nanoparticles on Osteogenic Differentiation of Human Bone Marrow Stem Cells. Applied in Vitro Toxicology, 2019, 5, 123-133.	1.1	12
60	Deriving a provisional tolerable intake for intravenous exposure to silver nanoparticles released from medical devices. Regulatory Toxicology and Pharmacology, 2017, 85, 108-118.	2.7	11
61	What we know and donâ€™t know about the bioeffects of nanoparticles: developing experimental approaches for safety assessment. Biomedical Microdevices, 2010, 12, 569-573.	2.8	10
62	Ultrananocrystalline diamond-coated nanoporous membranes support SK-N-SH neuroblastoma endothelial cell attachment. Interface Focus, 2018, 8, 20170063.	3.0	10
63	Acute exposure to formaldehyde induces hepatic metallothionein synthesis in mice. Toxicology and Applied Pharmacology, 1989, 98, 325-337.	2.8	9
64	Impact of Surface Chemistry of Ultrasmall Superparamagnetic Iron Oxide Nanoparticles on Protein Corona Formation and Endothelial Cell Uptake, Toxicity, and Barrier Function. Toxicological Sciences, 2022, 188, 261-275.	3.1	8
65	Mechanism of Urinary Excretion of ?-Aminolevulinic Acid after Intratracheal Instillation of Gallium Arsenide. Annals of the New York Academy of Sciences, 1987, 514, 330-332.	3.8	5
66	Role of Sulfhydryls in the Hepatotoxicity of Organic and Metallic Compounds. Toxicological Sciences, 1985, 5, 806-815.	3.1	4
67	Renal Papillary Antigen-1 (RPA-1) Cross-Reactivity in Necrotic Renal Proximal Tubules: Significance of Immunohistochemistry and Histopathology. Toxicologic Pathology, 2008, 36, 891-893.	1.8	4
68	Physical characterization and in vitro evaluation of 3D printed hydroxyapatite, tricalcium phosphate, zirconia, alumina, and SiAlON structures made by lithographic ceramic manufacturing. MRS Advances, 2020, 5, 2419-2428.	0.9	2
69	Investigating the susceptibility of mice to a bacterial challenge after intravenous exposure to durable nanoparticles. Nanomedicine, 2017, 12, 2097-2111.	3.3	1
70	Sintered Tape-cast 3YSZ Supports Human Bone Marrow Derived Stem Cell Osteogenic Differentiation. MRS Advances, 2019, 4, 2541-2549.	0.9	0