John J Schlager

List of Publications by Year in descending order

35 papers	7,877 citations	172207 29 h-index	414034 32 g-index
35 all docs	35 docs citations	35 times ranked	10923 citing authors

#	Article	IF	Citations
1	In Vitro Cytotoxicity of Nanoparticles in Mammalian Germline Stem Cells. Toxicological Sciences, 2005, 88, 412-419.	1.4	1,106
2	Characterization of Nanomaterial Dispersion in Solution Prior to In Vitro Exposure Using Dynamic Light Scattering Technique. Toxicological Sciences, 2008, 101, 239-253.	1.4	883
3	DNA damage response to different surface chemistry of silver nanoparticles in mammalian cells. Toxicology and Applied Pharmacology, 2008, 233, 404-410.	1.3	646
4	Are Diamond Nanoparticles Cytotoxic?. Journal of Physical Chemistry B, 2007, 111, 2-7.	1.2	641
5	Metalâ€based nanoparticles and their toxicity assessment. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 544-568.	3.3	542
6	The Interaction of Manganese Nanoparticles with PC-12 Cells Induces Dopamine Depletion. Toxicological Sciences, 2006, 92, 456-463.	1.4	392
7	Surface charge of gold nanoparticles mediates mechanism of toxicity. Nanoscale, 2011, 3, 410.	2.8	382
8	Differential biocompatibility of carbon nanotubes and nanodiamonds. Diamond and Related Materials, 2007, 16, 2118-2123.	1.8	312
9	Silver Nanoparticle Induced Blood-Brain Barrier Inflammation and Increased Permeability in Primary Rat Brain Microvessel Endothelial Cells. Toxicological Sciences, 2010, 118, 160-170.	1.4	300
10	Cytosolic NAD(P)H:(Quinone-acceptor)oxidoreductase in human normal and tumor tissue: Effects of cigarette smoking and alcohol. International Journal of Cancer, 1990, 45, 403-409.	2.3	240
11	Toxicity Evaluation for Safe Use of Nanomaterials: Recent Achievements and Technical Challenges. Advanced Materials, 2009, 21, 1549-1559.	11.1	231
12	Can silver nanoparticles be useful as potential biological labels?. Nanotechnology, 2008, 19, 235104.	1.3	218
13	Silver Nanoparticles Disrupt GDNF/Fyn kinase Signaling in Spermatogonial Stem Cells. Toxicological Sciences, 2010, 116, 577-589.	1.4	214
14	Crystal structure mediates mode of cell death in TiO2 nanotoxicity. Journal of Nanoparticle Research, 2009, 11, 1361-1374.	0.8	206
15	Inflammatory responses of RAW 264.7 macrophages upon exposure to nanoparticles: Role of ROS-NFÎºB signaling pathway. Nanotoxicology, 2011, 5, 502-516.	1.6	181
16	Toxicity of amorphous silica nanoparticles in mouse keratinocytes. Journal of Nanoparticle Research, 2009, 11, 15-24.	0.8	179
17	Expression changes of dopaminergic system-related genes in PC12 cells induced by manganese, silver, or copper nanoparticles. NeuroToxicology, 2009, 30, 926-933.	1.4	165
18	Influence of Engineered Nanoparticles from Metals on the Blood-Brain Barrier Permeability, Cerebral Blood Flow, Brain Edema and Neurotoxicity. An Experimental Study in the Rat and Mice Using Biochemical and Morphological Approaches. Journal of Nanoscience and Nanotechnology, 2009, 9, 5055-5072.	0.9	149

#	Article	IF	Citations
19	Preparation of cells for assessing ultrastructural localization of nanoparticles with transmission electron microscopy. Nature Protocols, 2010, 5, 744-757.	5.5	145
20	Cellular Interaction of Different Forms of Aluminum Nanoparticles in Rat Alveolar Macrophages. Journal of Physical Chemistry B, 2007, 111, 7353-7359.	1.2	131
21	Effects of copper nanoparticles on rat cerebral microvessel endothelial cells. Nanomedicine, 2012, 7, 835-846.	1.7	127
22	Assessment of Metal Nanoparticle Agglomeration, Uptake, and Interaction Using High-Illuminating System. International Journal of Toxicology, 2007, 26, 135-141.	0.6	116
23	Chronic Treatment with Nanoparticles Exacerbate Hyperthermia Induced Blood-Brain Barrier Breakdown, Cognitive Dysfunction and Brain Pathology in the Rat. Neuroprotective Effects of Nanowired-Antioxidant Compound H-290/51. Journal of Nanoscience and Nanotechnology, 2009, 9, 5073-5090.	0.9	77
24	Brain microvessel endothelial cells responses to gold nanoparticles:In vitropro-inflammatory mediators and permeability. Nanotoxicology, 2011, 5, 479-492.	1.6	49
25	Cytotoxicity and Genotoxicity of Carbon Nanomaterials. Nanostructure Science and Technology, 2009, , 159-187.	0.1	46
26	Porcine brain microvessel endothelial cells show pro-inflammatory response to the size and composition of metallic nanoparticles. Drug Metabolism Reviews, 2014, 46, 224-231.	1.5	46
27	Toxicity Testing of Nanomaterials. Advances in Experimental Medicine and Biology, 2012, 745, 58-75.	0.8	42
28	Safety Evaluation of Silver Nanoparticles: Inhalation Model for Chronic Exposure. Toxicological Sciences, 2009, 108, 223-224.	1.4	39
29	Systematic analysis of silver nanoparticle ionic dissolution by tangential flow filtration: toxicological implications. Nanotoxicology, 2014, 8, 1-10.	1.6	32
30	Dynamic Characteristics of Silver Nanoparticles in Physiological Fluids: Toxicological Implications. Langmuir, 2014, 30, 15309-15316.	1.6	25
31	Dispersions of geometric TiO2 nanomaterials and their toxicity to RPMI 2650 nasal epithelial cells. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	8
32	Partial Recovery of Silver Nanoparticle-Induced Neural Cytotoxicity through the Application of a Static Magnetic Field. BioNanoScience, 2013, 3, 367-377.	1.5	4
33	In Vitro andIn Vivo Models for Nanotoxicity Testing. , 0, , 335-348.		2
34	Nanotoxicity and Cellular Stress Response: Physical and Chemical Properties and Their Link to Translational Research. , 2014, , 69-80.		1
35	Vesicantâ€Induced Autophagy. FASEB Journal, 2012, 26, 916.3.	0.2	0