Deborah Ruth Tasat

List of Publications by Year
in descending order

41 papers	891 citations	471509 17 h-index	501196 28 g-index
41 all docs	41 docs citations	41 times ranked	1376 citing authors

#	Article	IF	Citations
1	Biological response of tissues with macrophagic activity to titanium dioxide. Journal of Biomedical Materials Research - Part A, 2008, 84A, 1087-1093.	4.0	68
2	Age-dependent change in reactive oxygen species and nitric oxide generation by rat alveolar macrophages*. Aging Cell, 2003, 2, 159-164.	6.7	60
3	Diesel Exhaust Particles Selectively Induce Both Proinflammatory Cytokines and Mucin Production in Cornea and Conjunctiva Human Cell Lines. , 2013, 54, 4759.		57
4	Acute exposure to air pollution particulate matter aggravates experimental myocardial infarction in mice by potentiating cytokine secretion from lung macrophages. Basic Research in Cardiology, 2016, 111, 44.	5.9	52
5	Effect of titanium dioxide on the oxidative metabolism of alveolar macrophages: An experimental study in rats. Journal of Biomedical Materials Research - Part A, 2005, 73A, 142-149.	4.0	48
6	Characterization and biological effect of Buenos Aires urban air particles on mice lungs. Environmental Research, 2007, 105, 340-349.	7.5	38
7	Biodistribution of titanium dioxide from biologic compartments. Journal of Materials Science: Materials in Medicine, 2008, 19, 3049-3056.	3.6	37
8	Reactive oxygen species produced by NADPH oxidase and mitochondrial dysfunction in lung after an acute exposure to Residual Oil Fly Ashes. Toxicology and Applied Pharmacology, 2013, 270, 31-38.	2.8	37
9	Neurotoxicity mediated by oxidative stress caused by titanium dioxide nanoparticles in human neuroblastoma (SH-SY5Y) cells. Journal of Trace Elements in Medicine and Biology, 2020, 57, 126413.	3.0	37
10	Lung oxidative metabolism after exposure to ambient particles. Biochemical and Biophysical Research Communications, 2011, 412, 667-672.	2.1	34
11	Impact through time of different sized titanium dioxide particles on biochemical and histopathological parameters. Journal of Biomedical Materials Research - Part A, 2014, 102, 1439-1448.	4.0	34
12	Simvastatin pretreatment prevents ambient particle-induced lung injury in mice. Inhalation Toxicology, 2011, 23, 889-896.	1.6	27
13	In vivo comparative biokinetics and biocompatibility of titanium and zirconium microparticles. Journal of Biomedical Materials Research - Part A, 2011, 98A, 604-613.	4.0	26
14	Low doses of urban air particles from Buenos Aires promote oxidative stress and apoptosis in mice lungs. Inhalation Toxicology, 2010, 22, 1064-1071.	1.6	25
15	Selective TNF-Î± targeting with infliximab attenuates impaired oxygen metabolism and contractile function induced by an acute exposure to air particulate matter. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1621-H1628.	3.2	25
16	Kinetics of MTT-formazan exocytosis in phagocytic and non-phagocytic cells. Micron, 2005, 36, 177-183.	2.2	21
17	Acute exposure to Buenos Aires air particles (UAP-BA) induces local and systemic inflammatory response in middle-aged mice: A time course study. Environmental Pollution, 2016, 208, 261-270.	7.5	19
18	Age-related lung cell response to urban Buenos Aires air particle soluble fraction. Environmental Research, 2008, 107, 170-177.	7.5	18

#	Article	IF	Citations
19	The issue of corrosion in dental implants: a review. Acta OdontolÃ³gica Latinoamericana: AOL, 2009, 22, 3-9.	0.4	18
20	Biokinetics and tissue response to ultrananocrystalline diamond nanoparticles employed as coating for biomedical devices. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2408-2415.	3.4	17
21	Hazardous effects of urban air particulate matter acute exposure on lung and extrapulmonary organs in mice. Ecotoxicology and Environmental Safety, 2020, 190, 110120.	6.0	17
22	NADPH oxidase and mitochondria are relevant sources of superoxide anion in the oxinflammatory response of macrophages exposed to airborne particulate matter. Ecotoxicology and Environmental Safety, 2020, 205, 111186.	6.0	17
23	Active caspase-3 expression levels as bioindicator of individual radiosensitivity. Anais Da Academia Brasileira De Ciencias, 2017, 89, 649-659.	0.8	16
24	Chronic exposure to urban air pollution from Buenos Aires: the ocular mucosa as an early biomarker. Environmental Science and Pollution Research, 2019, 26, 27444-27456.	5.3	16
25	Volcanic ash from Puyehue-CordÃ³n Caulle Volcanic Complex and Calbuco promote a differential response of pro-inflammatory and oxidative stress mediators on human conjunctival epithelial cells. Environmental Research, 2018, 167, 87-97.	7.5	14
26	Oxidative metabolism of lung macrophages exposed to sodium arsenite. Toxicology in Vitro, 2007, 21, 1603-1609.	2.4	13
27	Monitoring human genotoxicity risk associated to urban and industrial Buenos Aires air pollution exposure. Environmental Science and Pollution Research, 2020, 27, 13995-14006.	5.3	13
28	Oxidative stress response to air particle pollution in a rat nutritional growth retardation model. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 1028-1040.	2.3	12
29	Changes in extrapulmonary organs and serum enzyme biomarkers after chronic exposure to Buenos Aires air pollution. Environmental Science and Pollution Research, 2020, 27, 14529-14542.	5.3	12
30	In vitro age dependent response of macrophages to micro and nano titanium dioxide particles. Journal of Biomedical Materials Research - Part A, 2015, 103, 471-478.	4.0	10
31	Systemic and Local Tissue Response to Titanium Corrosion. , 0, , .		8
32	Titanium Nanoparticle Size Influences Trace Concentration Levels in Skin Appendages. Toxicologic Pathology, 2017, 45, 624-632.	1.8	8
33	A Biocompatible Ultrananocrystalline Diamond (UNCD) Coating for a New Generation of Dental Implants. Nanomaterials, 2022, 12, 782.	4.1	8
34	Low levels of residual oil fly ash (ROFA) impair innate immune response against environmental mycobacteria infection in vitro. Toxicology in Vitro, 2012, 26, 1001-1006.	2.4	6
35	Strong inhibition of replicative DNA synthesis in the developing rat cerebral cortex and glioma cells by roscovitine. Investigational New Drugs, 2010, 28, 299-305.	2.6	5
36	Bioaccessible heavy metalsâ€sediment particles from Reconquista River induce lung inflammation in mice. Environmental Toxicology and Chemistry, 2012, 31, 2059-2068.	4.3	5

#	Article	IF	Citations
37	mRNA of cytokines in bone marrow and bone biomarkers in response to propranolol in a nutritional growth retardation model. Pharmacological Reports, 2014, 66, 867-873.	3.3	5
38	In vivoshort-term exposure to residual oil fly ash impairs pulmonary innate immune response against environmental mycobacterium infection. Environmental Toxicology, 2015, 30, 589-596.	4.0	5
39	Systemic effect of <scp>TiO₂</scp> microâ€•and nanoparticles after acute exposure in a murine model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1563-1572.	3.4	3
40	Evaluation of metabolic reactivity in macrophages from mice with chronic sodium arsenite intake and experimental carcinogenesis. Cellular and Molecular Biology, 2018, 64, 34.	0.9	0
41	Malnutrition and Air Pollution in Latin America: Impact of Two Stressors on Childrenâ€™s Health. , 0, , .		0