Yolanda I Chirino

List of Publications by Year
in descending order

75 papers	3,323 citations	172457 29 h-index	149698 56 g-index
78 all docs	78 docs citations	78 times ranked	5343 citing authors

#	Article	IF	Citations
1	Mutational landscape of gastric adenocarcinoma in Latin America: A genetic approach for precision medicine. Genes and Diseases, 2022, 9, 928-940.	3.4	2
2	Foodâ€grade titanium dioxide decreases hematocrit and hemoglobin and increases compulsiveâ€like behavior in male mice. Journal of Applied Toxicology, 2022, , .	2.8	1
3	Particulate matter (PM10) destabilizes mitotic spindle through downregulation of SETD2 in A549 lung cancer cells. Chemosphere, 2022, 295, 133900.	8.2	10
4	Nucleotide Excision Repair Pathway Activity Is Inhibited by Airborne Particulate Matter (PM10) through XPA Deregulation in Lung Epithelial Cells. International Journal of Molecular Sciences, 2022, 23, 2224.	4.1	0
5	The Effects of the Food Additive Titanium Dioxide (E171) on Tumor Formation and Gene Expression in the Colon of a Transgenic Mouse Model for Colorectal Cancer. Nanomaterials, 2022, 12, 1256.	4.1	12
6	Titanium Dioxide (E171) Induces Toxicity in H9c2 Rat Cardiomyoblasts and Ex Vivo Rat Hearts. Cardiovascular Toxicology, 2022, 22, 713-726.	2.7	6
7	Long non-coding RNA NORAD upregulation induced by airborne particulate matter (PM10) exposure leads to aneuploidy in A549 lung cells. Chemosphere, 2021, 266, 128994.	8.2	8
8	STAT1 Is Required for Decreasing Accumulation of Granulocytic Cells via IL-17 during Initial Steps of Colitis-Associated Cancer. International Journal of Molecular Sciences, 2021, 22, 7695.	4.1	8
9	Differential response of immobile (pneumocytes) and mobile (monocytes) barriers against 2 types of metal oxide nanoparticles. Chemico-Biological Interactions, 2021, 347, 109596.	4.0	2
10	Airborne particulate matter induces oxidative damage, DNA adduct formation and alterations in DNA repair pathways. Environmental Pollution, 2021, 287, 117313.	7.5	39
11	Possible Adverse Effects of Food Additive E171 (Titanium Dioxide) Related to Particle Specific Human Toxicity, Including the Immune System. International Journal of Molecular Sciences, 2021, 22, 207.	4.1	47
12	The Evolution of Clinically Aggressive Triple-Negative Breast Cancer Shows a Large Mutational Diversity and Early Metastasis to Lymph Nodes. Cancers, 2021, 13, 5091.	3.7	4
13	Particulate Matter (PM10) Promotes Cell Invasion through Epithelialâ€“Mesenchymal Transition (EMT) by TGF-Î² Activation in A549 Lung Cells. International Journal of Molecular Sciences, 2021, 22, 12632.	4.1	9
14	Deciphering the Code between Air Pollution and Disease: The Effect of Particulate Matter on Cancer Hallmarks. International Journal of Molecular Sciences, 2020, 21, 136.	4.1	32
15	Food additives containing nanoparticles induce gastrotoxicity, hepatotoxicity and alterations in animal behavior: The unknown role of oxidative stress. Food and Chemical Toxicology, 2020, 146, 111814.	3.6	60
16	Food-grade titanium dioxide (E171) induces anxiety, adenomas in colon and goblet cells hyperplasia in a regular diet model and microvesicular steatosis in a high fat diet model. Food and Chemical Toxicology, 2020, 146, 111786.	3.6	22
17	Comprehensive Genomic Profile of Heterogeneous Long Follow-Up Triple-Negative Breast Cancer and Its Clinical Characteristics Shows DNA Repair Deficiency Has Better Prognostic. Genes, 2020, 11, 1367.	2.4	5
18	Toxicity of engineered nanomaterials with different physicochemical properties and the role of protein corona on cellular uptake and intrinsic ROS production. Toxicology, 2020, 442, 152545.	4.2	15

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19	Astrocytes Are More Vulnerable than Neurons to Silicon Dioxide Nanoparticle Toxicity in Vitro. Toxics, 2020, 8, 51.	3.7	8
20	Differences in cytotoxicity of lung epithelial cells exposed to titanium dioxide nanofibers and nanoparticles: Comparison of air-liquid interface and submerged cell cultures. Toxicology in Vitro, 2020, 65, 104798.	2.4	19
21	International landscape of limits and recommendations for occupational exposure to engineered nanomaterials. Toxicology Letters, 2020, 322, 111-119.	0.8	21
22	Airborne Particulate Matter (PM10) Inhibits Apoptosis through PI3K/AKT/FoxO3a Pathway in Lung Epithelial Cells: The Role of a Second Oxidant Stimulus. International Journal of Molecular Sciences, 2020, 21, 473.	4.1	7
23	Use of STAT6 Phosphorylation Inhibitor and Trimethylglycine as New Adjuvant Therapies for 5-Fluorouracil in Colitis-Associated Tumorigenesis. International Journal of Molecular Sciences, 2020, 21, 2130.	4.1	22
24	Irreversible disruption of the cytoskeleton as induced by non-cytotoxic exposure to titanium dioxide nanoparticles in lung epithelial cells. Chemico-Biological Interactions, 2020, 323, 109063.	4.0	11
25	Foodâ€grade titanium dioxide (E171) by solid or liquid matrix administration induces inflammation, germ cells sloughing in seminiferous tubules and bloodâ€testis barrier disruption in mice. Journal of Applied Toxicology, 2019, 39, 1586-1605.	2.8	15
26	Helminthâ€derived molecules inhibit colitisâ€associated colon cancer development through NFâ€ºB and STAT3 regulation. International Journal of Cancer, 2019, 145, 3126-3139.	5.1	27
27	Tetraphenylporphyrin intended for use in photodynamic therapy: Influence of sonophoresis and the formulation (solution or microemulsion) on percutaneous penetration. Journal of Drug Delivery Science and Technology, 2019, 53, 101145.	3.0	2
28	Airborne particulate matter induces mitotic slippage and chromosomal missegregation through disruption of the spindle assembly checkpoint (SAC). Chemosphere, 2019, 235, 794-804.	8.2	11
29	Macrophage Migration Inhibitory Factor Promotes the Interaction between the Tumor, Macrophages, and T Cells to Regulate the Progression of Chemically Induced Colitis-Associated Colorectal Cancer. Mediators of Inflammation, 2019, 2019, 1-16.	3.0	17
30	Titanium dioxide nanofibers induce angiogenic markers and genomic instability in lung cells leading to a highly dedifferentiated and fibrotic tumor formation in a xenograft model. Environmental Science: Nano, 2019, 6, 286-304.	4.3	6
31	Time course gene expression data in colon of mice after exposure to food-grade E171. Data in Brief, 2018, 16, 531-600.	1.0	3
32	Influence of shape and dispersion media of titanium dioxide nanostructures on microvessel network and ossification. Colloids and Surfaces B: Biointerfaces, 2018, 162, 193-201.	5.0	11
33	Cell type specific cytoskeleton disruption induced by engineered nanoparticles. Environmental Science: Nano, 2018, 5, 228-245.	4.3	39
34	Gene expression profiling in colon of mice exposed to food additive titanium dioxide (E171). Food and Chemical Toxicology, 2018, 111, 153-165.	3.6	42
35	Deficiency in STAT1 Signaling Predisposes Gut Inflammation and Prompts Colorectal Cancer Development. Cancers, 2018, 10, 341.	3.7	21
36	Comprehensive Analysis of Germline Variants in Mexican Patients with Hereditary Breast and Ovarian Cancer Susceptibility. Cancers, 2018, 10, 361.	3.7	22

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37	miRNAs deregulation in lung cells exposed to airborne particulate matter (PM10) is associated with pathways deregulated in lung tumors. Environmental Pollution, 2018, 241, 351-358.	7.5	25
38	Early and Partial Reduction in CD4⁺Foxp3⁺ Regulatory T Cells during Colitis-Associated Colon Cancer Induces CD4⁺ and CD8⁺ T Cell Activation Inhibiting Tumorigenesis. Journal of Cancer, 2018, 9, 239-249.	2.5	30
39	Transcriptomics analysis reveals new insights in E171-induced molecular alterations in a mouse model of colon cancer. Scientific Reports, 2018, 8, 9738.	3.3	16
40	Airborne particulate matter in vitro exposure induces cytoskeleton remodeling through activation of the ROCK-MYPT1-MLC pathway in A549 epithelial lung cells. Toxicology Letters, 2017, 272, 29-37.	0.8	31
41	Lack of STAT6 Attenuates Inflammation and Drives Protection against Early Steps of Colitis-Associated Colon Cancer. Cancer Immunology Research, 2017, 5, 385-396.	3.4	47
42	Current FDA-approved treatments for non-small cell lung cancer and potential biomarkers for its detection. Biomedicine and Pharmacotherapy, 2017, 90, 24-37.	5.6	45
43	Titanium dioxide food additive (E171) induces ROS formation and genotoxicity: contribution of micro and nano-sized fractions. Mutagenesis, 2017, 32, 139-149.	2.6	146
44	Applications and Risks of Nanomaterials Used in Regenerative Medicine, Delivery Systems, Theranostics, and Therapy. Critical Reviews in Therapeutic Drug Carrier Systems, 2017, 34, 35-61.	2.2	29
45	Morphological and Physicochemical Characterization of Agglomerates of Titanium Dioxide Nanoparticles in Cell Culture Media. Journal of Nanomaterials, 2016, 2016, 1-19.	2.7	11
46	Role of Wasp and the small GTPases RhoA, RhoB, and Cdc42 during capacitation and acrosome reaction in spermatozoa of English guinea pigs. Molecular Reproduction and Development, 2016, 83, 927-937.	2.0	11
47	Food-grade titanium dioxide exposure exacerbates tumor formation in colitis associated cancer model. Food and Chemical Toxicology, 2016, 93, 20-31.	3.6	100
48	Cardiolipin deficiency causes a dissociation of the b 6 c:caa 3 megacomplex in B. subtilis membranes. Journal of Bioenergetics and Biomembranes, 2016, 48, 451-467.	2.3	11
49	Atmospheric particulate matter (PM10) exposure-induced cell cycle arrest and apoptosis evasion through STAT3 activation via PKCÎ¶ and Src kinases in lung cells. Environmental Pollution, 2016, 214, 646-656.	7.5	39
50	Safety Studies of Metal Oxide Nanoparticles Used in Food Industry. Food Engineering Series, 2015, , 243-265.	0.7	3
51	Particulate matter (PM10) induces metalloprotease activity and invasion in airway epithelial cells. Toxicology Letters, 2015, 237, 167-173.	0.8	32
52	Difficulties in establishing regulations for engineered nanomaterials and considerations for policy makers: avoiding an unbalance between benefits and risks. Journal of Applied Toxicology, 2015, 35, 1073-1085.	2.8	18
53	Sampling and composition of airborne particulate matter (PM 10) from two locations of Mexico City. Data in Brief, 2015, 4, 353-356.	1.0	20
54	Titanium dioxide nanoparticles induce an adaptive inflammatory response and invasion and proliferation of lung epithelial cells in chorioallantoic membrane. Environmental Research, 2015, 136, 424-434.	7.5	23

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55	Cell cycle synchronization reveals greater G2/M-phase accumulation of lung epithelial cells exposed to titanium dioxide nanoparticles. Environmental Science and Pollution Research, 2015, 22, 3976-3982.	5.3	11
56	Nrf2 protects the lung against inflammation induced by titanium dioxide nanoparticles: A positive regulator role of Nrf2 on cytokine release. Environmental Toxicology, 2015, 30, 782-792.	4.0	28
57	Extraintestinal Helminth Infection Reduces the Development of Colitis-Associated Tumorigenesis. International Journal of Biological Sciences, 2014, 10, 948-956.	6.4	25
58	Titanium dioxide nanoparticles induce strong oxidative stress and mitochondrial damage in glial cells. Free Radical Biology and Medicine, 2014, 73, 84-94.	2.9	152
59	Mitochondria as a Target in the Therapeutic Properties of Curcumin. Archiv Der Pharmazie, 2014, 347, 873-884.	4.1	99
60	Cytoplasmic p21CIP1/WAF1, ERK1/2 activation, and cytoskeletal remodeling are associated with the senescence-like phenotype after airborne particulate matter (PM10) exposure in lung cells. Toxicology Letters, 2014, 225, 12-19.	0.8	29
61	Renoprotective effect of the antioxidant curcumin: Recent findings. Redox Biology, 2013, 1, 448-456.	9.0	397
62	Decrease in Respiratory Function and Electron Transport Chain Induced by Airborne Particulate Matter (PM₁₀) Exposure in Lung Mitochondria. Toxicologic Pathology, 2013, 41, 628-638.	1.8	12
63	Titanium dioxide nanoparticles impair lung mitochondrial function. Toxicology Letters, 2011, 202, 111-119.	0.8	106
64	The Î±-mangostin prevention on cisplatin-induced apoptotic death in LLC-PK1 cells is associated to an inhibition of ROS production and p53 induction. Chemico-Biological Interactions, 2010, 188, 144-150.	4.0	48
65	PM10 impairs the antioxidant defense system and exacerbates oxidative stress driven cell death. Toxicology Letters, 2010, 193, 209-216.	0.8	62
66	Role of oxidative and nitrosative stress in cisplatin-induced nephrotoxicity. Experimental and Toxicologic Pathology, 2009, 61, 223-242.	2.1	416
67	DNA damage response of A549 cells treated with particulate matter (PM 10) of urban air pollutants. Cancer Letters, 2009, 278, 192-200.	7.2	80
68	Protective effects of apocynin against cisplatin-induced oxidative stress and nephrotoxicity. Toxicology, 2008, 245, 18-23.	4.2	95
69	Garlic Powder Ameliorates Cisplatin-Induced Nephrotoxicity and Oxidative Stress. Journal of Medicinal Food, 2008, 11, 582-586.	1.5	29
70	Selective iNOS inhibition reduces renal damage induced by cisplatin. Toxicology Letters, 2008, 176, 48-57.	0.8	98
71	Protective effects of garlic powder against potassium dichromate-induced oxidative stress and nephrotoxicity. Food and Chemical Toxicology, 2008, 46, 619-627.	3.6	58
72	Nordihydroguaiaretic acid attenuates potassium dichromate-induced oxidative stress and nephrotoxicity. Food and Chemical Toxicology, 2008, 46, 1089-1096.	3.6	35

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73	Renoprotective and antihypertensive effects ofS-allylcysteine in 5/6 nephrectomized rats. American Journal of Physiology - Renal Physiology, 2007, 293, F1691-F1698.	2.7	58
74	Peroxynitrite decomposition catalyst ameliorates renal damage and protein nitration in cisplatin-induced nephrotoxicity in rats. BMC Pharmacology, 2004, 4, 20.	0.4	132
75	S-allylmercaptocysteine scavenges hydroxyl radical and singlet oxygen in vitro and attenuates gentamicin-induced oxidative and nitrosative stress and renal damage in vivo. BMC Clinical Pharmacology, 2004, 4, 5.	2.5	110