

# Yolanda I Chirino

## List of Publications by Year in descending order

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75  
papers

3,323  
citations

172207

29  
h-index

149479

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. <i>Genes and Diseases</i> , 2022, 9, 928-940.	1.5	2
2	Food-grade titanium dioxide decreases hematocrit and hemoglobin and increases compulsive-like behavior in male mice. <i>Journal of Applied Toxicology</i> , 2022, , .	1.4	1
3	Particulate matter (PM10) destabilizes mitotic spindle through downregulation of SETD2 in A549 lung cancer cells. <i>Chemosphere</i> , 2022, 295, 133900.	4.2	10
4	Nucleotide Excision Repair Pathway Activity Is Inhibited by Airborne Particulate Matter (PM10) through XPA Dereglulation in Lung Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2224.	1.8	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. <i>Nanomaterials</i> , 2022, 12, 1256.	1.9	12
6	Titanium Dioxide (E171) Induces Toxicity in H9c2 Rat Cardiomyoblasts and Ex Vivo Rat Hearts. <i>Cardiovascular Toxicology</i> , 2022, 22, 713-726.	1.1	6
7	Long non-coding RNA NORAD upregulation induced by airborne particulate matter (PM10) exposure leads to aneuploidy in A549 lung cells. <i>Chemosphere</i> , 2021, 266, 128994.	4.2	8
8	STAT1 Is Required for Decreasing Accumulation of Granulocytic Cells via IL-17 during Initial Steps of Colitis-Associated Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7695.	1.8	8
9	Differential response of immobile (pneumocytes) and mobile (monocytes) barriers against 2 types of metal oxide nanoparticles. <i>Chemico-Biological Interactions</i> , 2021, 347, 109596.	1.7	2
10	Airborne particulate matter induces oxidative damage, DNA adduct formation and alterations in DNA repair pathways. <i>Environmental Pollution</i> , 2021, 287, 117313.	3.7	39
11	Possible Adverse Effects of Food Additive E171 (Titanium Dioxide) Related to Particle Specific Human Toxicity, Including the Immune System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 207.	1.8	47
12	The Evolution of Clinically Aggressive Triple-Negative Breast Cancer Shows a Large Mutational Diversity and Early Metastasis to Lymph Nodes. <i>Cancers</i> , 2021, 13, 5091.	1.7	4
13	Particulate Matter (PM10) Promotes Cell Invasion through Epithelial-Mesenchymal Transition (EMT) by TGF- $\beta$ 2 Activation in A549 Lung Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12632.	1.8	9
14	Deciphering the Code between Air Pollution and Disease: The Effect of Particulate Matter on Cancer Hallmarks. <i>International Journal of Molecular Sciences</i> , 2020, 21, 136.	1.8	32
15	Food additives containing nanoparticles induce gastrototoxicity, hepatotoxicity and alterations in animal behavior: The unknown role of oxidative stress. <i>Food and Chemical Toxicology</i> , 2020, 146, 111814.	1.8	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. <i>Food and Chemical Toxicology</i> , 2020, 146, 111786.	1.8	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. <i>Genes</i> , 2020, 11, 1367.	1.0	5
18	Toxicity of engineered nanomaterials with different physicochemical properties and the role of protein corona on cellular uptake and intrinsic ROS production. <i>Toxicology</i> , 2020, 442, 152545.	2.0	15

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19	Astrocytes Are More Vulnerable than Neurons to Silicon Dioxide Nanoparticle Toxicity in Vitro. <i>Toxics</i> , 2020, 8, 51.	1.6	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. <i>Toxicology in Vitro</i> , 2020, 65, 104798.	1.1	19
21	International landscape of limits and recommendations for occupational exposure to engineered nanomaterials. <i>Toxicology Letters</i> , 2020, 322, 111-119.	0.4	21
22	Airborne Particulate Matter (PM10) Inhibits Apoptosis through PI3K/AKT/FoxO3a Pathway in Lung Epithelial Cells: The Role of a Second Oxidant Stimulus. <i>International Journal of Molecular Sciences</i> , 2020, 21, 473.	1.8	7
23	Use of STAT6 Phosphorylation Inhibitor and Trimethylglycine as New Adjuvant Therapies for 5-Fluorouracil in Colitis-Associated Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2130.	1.8	22
24	Irreversible disruption of the cytoskeleton as induced by non-cytotoxic exposure to titanium dioxide nanoparticles in lung epithelial cells. <i>Chemico-Biological Interactions</i> , 2020, 323, 109063.	1.7	11
25	Food-grade titanium dioxide (E171) by solid or liquid matrix administration induces inflammation, germ cells sloughing in seminiferous tubules and blood-testis barrier disruption in mice. <i>Journal of Applied Toxicology</i> , 2019, 39, 1586-1605.	1.4	15
26	Helminth-derived molecules inhibit colitis-associated colon cancer development through NF- $\kappa$ B and STAT3 regulation. <i>International Journal of Cancer</i> , 2019, 145, 3126-3139.	2.3	27
27	Tetraphenylporphyrin intended for use in photodynamic therapy: Influence of sonophoresis and the formulation (solution or microemulsion) on percutaneous penetration. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101145.	1.4	2
28	Airborne particulate matter induces mitotic slippage and chromosomal missegregation through disruption of the spindle assembly checkpoint (SAC). <i>Chemosphere</i> , 2019, 235, 794-804.	4.2	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. <i>Mediators of Inflammation</i> , 2019, 2019, 1-16.	1.4	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. <i>Environmental Science: Nano</i> , 2019, 6, 286-304.	2.2	6
31	Time course gene expression data in colon of mice after exposure to food-grade E171. <i>Data in Brief</i> , 2018, 16, 531-600.	0.5	3
32	Influence of shape and dispersion media of titanium dioxide nanostructures on microvessel network and ossification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 193-201.	2.5	11
33	Cell type specific cytoskeleton disruption induced by engineered nanoparticles. <i>Environmental Science: Nano</i> , 2018, 5, 228-245.	2.2	39
34	Gene expression profiling in colon of mice exposed to food additive titanium dioxide (E171). <i>Food and Chemical Toxicology</i> , 2018, 111, 153-165.	1.8	42
35	Deficiency in STAT1 Signaling Predisposes Gut Inflammation and Prompts Colorectal Cancer Development. <i>Cancers</i> , 2018, 10, 341.	1.7	21
36	Comprehensive Analysis of Germline Variants in Mexican Patients with Hereditary Breast and Ovarian Cancer Susceptibility. <i>Cancers</i> , 2018, 10, 361.	1.7	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. <i>Environmental Pollution</i> , 2018, 241, 351-358.	3.7	25
38	Early and Partial Reduction in CD4 <sup>+</sup> Foxp3 <sup>+</sup> Regulatory T Cells during Colitis-Associated Colon Cancer Induces CD4 <sup>+</sup> and CD8 <sup>+</sup> T Cell Activation Inhibiting Tumorigenesis. <i>Journal of Cancer</i> , 2018, 9, 239-249.	1.2	30
39	Transcriptomics analysis reveals new insights in E171-induced molecular alterations in a mouse model of colon cancer. <i>Scientific Reports</i> , 2018, 8, 9738.	1.6	16
40	Airborne particulate matter in vitro exposure induces cytoskeleton remodeling through activation of the ROCK-MYPT1-MLC pathway in A549 epithelial lung cells. <i>Toxicology Letters</i> , 2017, 272, 29-37.	0.4	31
41	Lack of STAT6 Attenuates Inflammation and Drives Protection against Early Steps of Colitis-Associated Colon Cancer. <i>Cancer Immunology Research</i> , 2017, 5, 385-396.	1.6	47
42	Current FDA-approved treatments for non-small cell lung cancer and potential biomarkers for its detection. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 24-37.	2.5	45
43	Titanium dioxide food additive (E171) induces ROS formation and genotoxicity: contribution of micro and nano-sized fractions. <i>Mutagenesis</i> , 2017, 32, 139-149.	1.0	146
44	Applications and Risks of Nanomaterials Used in Regenerative Medicine, Delivery Systems, Theranostics, and Therapy. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2017, 34, 35-61.	1.2	29
45	Morphological and Physicochemical Characterization of Agglomerates of Titanium Dioxide Nanoparticles in Cell Culture Media. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-19.	1.5	11
46	Role of Wasp and the small GTPases RhoA, RhoB, and Cdc42 during capacitation and acrosome reaction in spermatozoa of English guinea pigs. <i>Molecular Reproduction and Development</i> , 2016, 83, 927-937.	1.0	11
47	Food-grade titanium dioxide exposure exacerbates tumor formation in colitis associated cancer model. <i>Food and Chemical Toxicology</i> , 2016, 93, 20-31.	1.8	100
48	Cardiolipin deficiency causes a dissociation of the b6 c:caa 3 megacomplex in <i>B. subtilis</i> membranes. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 451-467.	1.0	11
49	Atmospheric particulate matter (PM10) exposure-induced cell cycle arrest and apoptosis evasion through STAT3 activation via PKC $\zeta$ and Src kinases in lung cells. <i>Environmental Pollution</i> , 2016, 214, 646-656.	3.7	39
50	Safety Studies of Metal Oxide Nanoparticles Used in Food Industry. <i>Food Engineering Series</i> , 2015, , 243-265.	0.3	3
51	Particulate matter (PM10) induces metalloprotease activity and invasion in airway epithelial cells. <i>Toxicology Letters</i> , 2015, 237, 167-173.	0.4	32
52	Difficulties in establishing regulations for engineered nanomaterials and considerations for policy makers: avoiding an unbalance between benefits and risks. <i>Journal of Applied Toxicology</i> , 2015, 35, 1073-1085.	1.4	18
53	Sampling and composition of airborne particulate matter (PM 10 ) from two locations of Mexico City. <i>Data in Brief</i> , 2015, 4, 353-356.	0.5	20
54	Titanium dioxide nanoparticles induce an adaptive inflammatory response and invasion and proliferation of lung epithelial cells in chorioallantoic membrane. <i>Environmental Research</i> , 2015, 136, 424-434.	3.7	23

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55	Cell cycle synchronization reveals greater G2/M-phase accumulation of lung epithelial cells exposed to titanium dioxide nanoparticles. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3976-3982.	2.7	11
56	Nrf2 protects the lung against inflammation induced by titanium dioxide nanoparticles: A positive regulator role of Nrf2 on cytokine release. <i>Environmental Toxicology</i> , 2015, 30, 782-792.	2.1	28
57	Extraintestinal Helminth Infection Reduces the Development of Colitis-Associated Tumorigenesis. <i>International Journal of Biological Sciences</i> , 2014, 10, 948-956.	2.6	25
58	Titanium dioxide nanoparticles induce strong oxidative stress and mitochondrial damage in glial cells. <i>Free Radical Biology and Medicine</i> , 2014, 73, 84-94.	1.3	152
59	Mitochondria as a Target in the Therapeutic Properties of Curcumin. <i>Archiv Der Pharmazie</i> , 2014, 347, 873-884.	2.1	99
60	Cytoplasmic p21 <sup>CIP1</sup> /WAF1, ERK1/2 activation, and cytoskeletal remodeling are associated with the senescence-like phenotype after airborne particulate matter (PM <sub>10</sub> ) exposure in lung cells. <i>Toxicology Letters</i> , 2014, 225, 12-19.	0.4	29
61	Renoprotective effect of the antioxidant curcumin: Recent findings. <i>Redox Biology</i> , 2013, 1, 448-456.	3.9	397
62	Decrease in Respiratory Function and Electron Transport Chain Induced by Airborne Particulate Matter (PM <sub>10</sub> ) Exposure in Lung Mitochondria. <i>Toxicologic Pathology</i> , 2013, 41, 628-638.	0.9	12
63	Titanium dioxide nanoparticles impair lung mitochondrial function. <i>Toxicology Letters</i> , 2011, 202, 111-119.	0.4	106
64	The $\beta$ -mangostin prevention on cisplatin-induced apoptotic death in LLC-PK1 cells is associated to an inhibition of ROS production and p53 induction. <i>Chemico-Biological Interactions</i> , 2010, 188, 144-150.	1.7	48
65	PM <sub>10</sub> impairs the antioxidant defense system and exacerbates oxidative stress driven cell death. <i>Toxicology Letters</i> , 2010, 193, 209-216.	0.4	62
66	Role of oxidative and nitrosative stress in cisplatin-induced nephrotoxicity. <i>Experimental and Toxicologic Pathology</i> , 2009, 61, 223-242.	2.1	416
67	DNA damage response of A549 cells treated with particulate matter (PM <sub>10</sub> ) of urban air pollutants. <i>Cancer Letters</i> , 2009, 278, 192-200.	3.2	80
68	Protective effects of apocynin against cisplatin-induced oxidative stress and nephrotoxicity. <i>Toxicology</i> , 2008, 245, 18-23.	2.0	95
69	Garlic Powder Ameliorates Cisplatin-Induced Nephrotoxicity and Oxidative Stress. <i>Journal of Medicinal Food</i> , 2008, 11, 582-586.	0.8	29
70	Selective iNOS inhibition reduces renal damage induced by cisplatin. <i>Toxicology Letters</i> , 2008, 176, 48-57.	0.4	98
71	Protective effects of garlic powder against potassium dichromate-induced oxidative stress and nephrotoxicity. <i>Food and Chemical Toxicology</i> , 2008, 46, 619-627.	1.8	58
72	Nordihydroguaiaretic acid attenuates potassium dichromate-induced oxidative stress and nephrotoxicity. <i>Food and Chemical Toxicology</i> , 2008, 46, 1089-1096.	1.8	35

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73	Renoprotective and antihypertensive effects of <i>S</i> -allylcysteine in 5/6 nephrectomized rats. American Journal of Physiology - Renal Physiology, 2007, 293, F1691-F1698.	1.3	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	<i>S</i> -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