Maria-Jose Ruiz

List of Publications by Year in Descending Order

104 papers	3,297 citations	35 h-index	52 g-index
120 ext. papers	3,743 ext. citations	4.6 avg, IF	5.63 L-index

#	Paper	IF	Citations
104	In vivo toxicity assessment of eugenol and vanillin-functionalised silica particles using Caenorhabditis elegans.. *Ecotoxicology and Environmental Safety*, **2022**, 238, 113601	7	
103	Effects of essential oil components exposure on biological parameters of Caenorhabditis elegans.. *Food and Chemical Toxicology*, **2021**, 159, 112763	4.7	1
102	In vitro toxicological evaluation of mesoporous silica microparticles functionalised with carvacrol and thymol.. *Food and Chemical Toxicology*, **2021**, 160, 112778	4.7	1
101	Development of an in vitro neuroblastoma 3D model and its application for sterigmatocystin-induced cytotoxicity testing. *Food and Chemical Toxicology*, **2021**, 157, 112605	4.7	0
100	Sterigmatocystin-induced DNA damage triggers cell-cycle arrest MAPK in human neuroblastoma cells. *Toxicology Mechanisms and Methods*, **2021**, 31, 479-488	3.6	1
99	Occurrence, mitigation and in vitro cytotoxicity of nivalenol, a type B trichothecene mycotoxin - Updates from the last decade (2010-2020). *Food and Chemical Toxicology*, **2021**, 152, 112182	4.7	2
98	Cytoprotective Effects of Fish Protein Hydrolysates against HO-Induced Oxidative Stress and Mycotoxins in Caco-2/TC7 Cells. *Antioxidants*, **2021**, 10,	7.1	3
97	Comparative cytotoxic study of silica materials functionalised with essential oil components in HepG2 cells. *Food and Chemical Toxicology*, **2021**, 147, 111858	4.7	7
96	Interactions between T-2 toxin and its metabolites in HepG2 cells and in silico approach. *Food and Chemical Toxicology*, **2021**, 148, 111942	4.7	2
95	Relevant essential oil components: a minireview on increasing applications and potential toxicity. *Toxicology Mechanisms and Methods*, **2021**, 31, 559-565	3.6	4
94	Role of quercetin on sterigmatocystin-induced oxidative stress-mediated toxicity. *Food and Chemical Toxicology*, **2021**, 156, 112498	4.7	2
93	Biological activity and toxicity of plant nutraceuticals: an overview. *Current Opinion in Food Science*, **2021**, 42, 113-118	9.8	11
92	Isolation, Identification and Investigation of Fermentative Bacteria from Sea Bass (): Evaluation of Antifungal Activity of Fermented Fish Meat and By-Products Broths. *Foods*, **2020**, 9,	4.9	2
91	The role of mitochondria in sterigmatocystin-induced apoptosis on SH-SY5Y cells. *Food and Chemical Toxicology*, **2020**, 142, 111493	4.7	7
90	Impact of Fermentation on the Recovery of Antioxidant Bioactive Compounds from Sea Bass Byproducts. *Antioxidants*, **2020**, 9,	7.1	7
89	Cytotoxic effects of individual and combined sterigmatocystin and nivalenol on liver hepatocellular carcinoma cells. *Food and Chemical Toxicology*, **2020**, 143, 111473	4.7	6
88	Degradation of silica particles functionalised with essential oil components under simulated physiological conditions. *Journal of Hazardous Materials*, **2020**, 399, 123120	12.8	10

87	Aquaculture and its by-products as a source of nutrients and bioactive compounds. *Advances in Food and Nutrition Research*, **2020**, 92, 1-33	6	14
86	Sterigmatocystin-induced cytotoxicity via oxidative stress induction in human neuroblastoma cells. *Food and Chemical Toxicology*, **2020**, 136, 110956	4.7	8
85	Scaling-up processes: Patents and commercial applications. *Advances in Food and Nutrition Research* , **2020**, 92, 187-223	6	5
84	Sterigmatocystin: Occurrence, toxicity and molecular mechanisms of action - A review. *Food and Chemical Toxicology*, **2020**, 146, 111802	4.7	11
83	T-2 toxin and its metabolites: Characterization, cytotoxic mechanisms and adaptive cellular response in human hepatocarcinoma (HepG2) cells. *Food and Chemical Toxicology*, **2020**, 145, 111654	4.7	10
82	Improved Extraction Efficiency of Antioxidant Bioactive Compounds from and Using Pulsed Electric Fields. *Molecules*, **2020**, 25,	4.8	12
81	Fermentation in fish and by-products processing: an overview of current research and future prospects. *Current Opinion in Food Science*, **2020**, 31, 9-16	9.8	44
80	Does low concentration mycotoxin exposure induce toxicity in HepG2 cells through oxidative stress?. *Toxicology Mechanisms and Methods*, **2020**, 30, 417-426	3.6	7
79	Cytotoxicity, Genotoxicity and Disturbance of Cell Cycle in HepG2 Cells Exposed to OTA and BEA: Single and Combined Actions. *Toxins*, **2019**, 11,	4.9	30
78	Effects of deoxynivalenol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on parameters associated with oxidative stress in HepG2 cells. *Mycotoxin Research*, **2019**, 35, 197-205	4	30
77	Beauvericin and enniatin B effects on a human lymphoblastoid Jurkat T-cell model. *Food and Chemical Toxicology*, **2018**, 115, 127-135	4.7	24
76	In vitro mechanisms of Beauvericin toxicity: A review. *Food and Chemical Toxicology*, **2018**, 111, 537-545	4.7	56
75	Estrogenic activity of zearalenone, Ɛ-zearalenol and Ɛ-zearalenol assessed using the E-screen assay in MCF-7 cells. *Toxicology Mechanisms and Methods*, **2018**, 28, 239-242	3.6	27
74	Cytotoxic effects induced by patulin, deoxynivalenol and toxin T2 individually and in combination in hepatic cells (HepG2). *Food and Chemical Toxicology*, **2018**, 120, 12-23	4.7	21
73	Micronucleus induction and cell cycle alterations produced by deoxynivalenol and its acetylated derivatives in individual and combined exposure on HepG2 cells. *Food and Chemical Toxicology*, **2018**, 118, 719-725	4.7	15
72	In silico and in vitro prediction of the toxicological effects of individual and combined mycotoxins. *Food and Chemical Toxicology*, **2018**, 122, 194-202	4.7	6
71	Oxidative damage and disturbance of antioxidant capacity by zearalenone and its metabolites in human cells. *Toxicology in Vitro*, **2017**, 45, 334-339	3.6	43
70	Antioxidant capacity of trans-resveratrol dietary supplements alone or combined with the mycotoxin beauvericin. *Food and Chemical Toxicology*, **2017**, 105, 315-318	4.7	12

69	Reaction of zearalenone and α-zearalenol with allyl isothiocyanate, characterization of reaction products, their bioaccessibility and bioavailability in vitro. *Food Chemistry*, **2017**, 217, 648-654	8.5	14
68	A Review of the Mycotoxin Enniatin B. *Frontiers in Public Health*, **2017**, 5, 304	6	62
67	Effects of Quercetin against Mycotoxin Induced Cytotoxicity: A Mini- Review. *Current Nutrition and Food Science*, **2017**, 13,	0.7	3
66	Cytotoxic effects of zearalenone and its metabolites and antioxidant cell defense in CHO-K1 cells. *Food and Chemical Toxicology*, **2016**, 96, 43-9	4.7	35
65	Mechanisms of beauvericin toxicity and antioxidant cellular defense. *Toxicology Letters*, **2016**, 246, 28-34	4.4	40
64	Cytotoxic effects induced by patulin, sterigmatocystin and beauvericin on CHO-K1 cells. *Food and Chemical Toxicology*, **2016**, 89, 92-103	4.7	44
63	Role of quercetin on Caco-2 cells against cytotoxic effects of alternariol and alternariol monomethyl ether. *Food and Chemical Toxicology*, **2016**, 89, 60-6	4.7	20
62	Alternariol induce toxicity via cell death and mitochondrial damage on Caco-2 cells. *Food and Chemical Toxicology*, **2016**, 88, 32-9	4.7	22
61	Blood, breast milk and urine: potential biomarkers of exposure and estimated daily intake of ochratoxin A: a review. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2016**, 33, 313-28	3.2	11
60	An in vitro investigation on the cytotoxic and nuclear receptor transcriptional activity of the mycotoxins fumonisin B1 and beauvericin. *Toxicology Letters*, **2016**, 257, 1-10	4.4	25
59	Binary and tertiary combination of alternariol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on HepG2 cells: Toxic effects and evaluation of degradation products. *Toxicology in Vitro*, **2016**, 34, 264-273	3.6	26
58	Interaction effects of enniatin B, deoxinivalenol and alternariol in Caco-2 cells. *Toxicology Letters*, **2016**, 241, 38-48	4.4	28
57	Cytoprotective effect of resveratrol diastereomers in CHO-K1 cells exposed to beauvericin. *Food and Chemical Toxicology*, **2015**, 80, 319-327	4.7	15
56	Oxidative DNA damage and disturbance of antioxidant capacity by alternariol in Caco-2 cells. *Toxicology Letters*, **2015**, 235, 61-6	4.4	16
55	Cytotoxic effects and degradation products of three mycotoxins: alternariol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol in liver hepatocellular carcinoma cells. *Toxicology Letters*, **2015**, 235, 8-16	4.4	30
54	Effects of soyasaponin I and soyasaponins-rich extract on the alternariol-induced cytotoxicity on Caco-2 cells. *Food and Chemical Toxicology*, **2015**, 77, 44-9	4.7	22
53	Alternariol-induced cytotoxicity in Caco-2 cells. Protective effect of the phenolic fraction from virgin olive oil. *Toxicon*, **2015**, 93, 103-11	2.8	17
52	Enniatin A1, enniatin B1 and beauvericin on HepG2: Evaluation of toxic effects. *Food and Chemical Toxicology*, **2015**, 84, 188-96	4.7	23

51	Interactive effects of zearalenone and its metabolites on cytotoxicity and metabolization in ovarian CHO-K1 cells. *Toxicology in Vitro*, **2014**, 28, 95-103	3.6	56
50	Oxidative stress of alternariol in Caco-2 cells. *Toxicology Letters*, **2014**, 229, 458-64	4.4	29
49	Presence of ochratoxin A (OTA) mycotoxin in alcoholic drinks from southern European countries: wine and beer. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 7643-51	5.7	54
48	Bioaccessibility and bioavailability of fumonisin B2 and its reaction products with isothiocyanates through a simulated gastrointestinal digestion system. *Food Control*, **2014**, 37, 326-335	6.2	9
47	Zearalenone **2014**, 52-66		4
46	Disturbance of antioxidant capacity produced by beauvericin in CHO-K1 cells. *Toxicology Letters*, **2014**, 226, 337-42	4.4	33
45	Interaction effects of Fusarium enniatins (A, A1, B and B1) combinations on in vitro cytotoxicity of Caco-2 cells. *Toxicology in Vitro*, **2014**, 28, 88-94	3.6	48
44	Bioaccessibility of enniatins A, A1, B, and B1 in different commercial breakfast cereals, cookies, and breads of Spain. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 456-61	5.7	12
43	Exposure estimates to Fusarium mycotoxins through cereals intake. *Chemosphere*, **2013**, 93, 2297-303	8.4	70
42	Beauvericin-induced cytotoxicity via ROS production and mitochondrial damage in Caco-2 cells. *Toxicology Letters*, **2013**, 222, 204-11	4.4	82
41	Involvement of enniatins-induced cytotoxicity in human HepG2 cells. *Toxicology Letters*, **2013**, 218, 166-73	4.4	46
40	Reactive oxygen species involvement in apoptosis and mitochondrial damage in Caco-2 cells induced by enniatins A, A1, B and B1 *Toxicology Letters*, **2013**, 222, 36-44	4.4	49
39	Applications of flow cytometry to toxicological mycotoxin effects in cultured mammalian cells: a review. *Food and Chemical Toxicology*, **2013**, 56, 40-59	4.7	25
38	Toxicity evaluation of individual and mixed enniatins using an in vitro method with CHO-K1 cells. *Toxicology in Vitro*, **2013**, 27, 672-80	3.6	37
37	Study of the potential toxicity of enniatins A, A(1), B, B(1) by evaluation of duodenal and colonic bioavailability applying an in-vitro method by Caco-2 cells. *Toxicon*, **2012**, 59, 1-11	2.8	31
36	Study of the potential toxicity of commercial crispy breads by evaluation of bioaccessibility and bioavailability of minor Fusarium mycotoxins. *Food and Chemical Toxicology*, **2012**, 50, 288-94	4.7	26
35	Study of the cytotoxic activity of beauvericin and fusaproliferin and bioavailability in vitro on Caco-2 cells. *Food and Chemical Toxicology*, **2012**, 50, 2356-61	4.7	35
34	Co-occurrence and risk assessment of mycotoxins in food and diet from Mediterranean area. *Food Chemistry*, **2012**, 135, 423-9	8.5	105

33	Effect of polyphenols on enniatins-induced cytotoxic effects in mammalian cells. *Toxicology Mechanisms and Methods*, **2012**, 22, 687-95	3.6	14
32	Toxicological interactions between the mycotoxins beauvericin, deoxynivalenol and T-2 toxin in CHO-K1 cells in vitro. *Toxicon*, **2011**, 58, 315-26	2.8	74
31	Comparative cytotoxicity study of enniatins A, A1, B, B1 and J1 on Caco-2 cells, Hep-G2 and HT-29. *Food and Chemical Toxicology*, **2011**, 49, 2464-9	4.7	45
30	Cytotoxic effects of mycotoxin combinations in mammalian kidney cells. *Food and Chemical Toxicology*, **2011**, 49, 2718-24	4.7	83
29	Antibacterial activity of the enniatin B, produced by Fusarium tricinctum in liquid culture, and cytotoxic effects on Caco-2 cells. *Toxicology Mechanisms and Methods*, **2011**, 21, 503-12	3.6	25
28	Production, purification, and mass spectrometry characterization of the cyclohexadepsipeptide enniatin J3 and study of the cytoxicity on differentiated and undifferentiated Caco-2 cells. *Toxicological and Environmental Chemistry*, **2011**, 93, 383-395	1.4	4
27	Isolation and purification of enniatins A, A(1), B, B(1), produced by Fusarium tricinctum in solid culture, and cytotoxicity effects on Caco-2 cells. *Toxicon*, **2010**, 56, 418-24	2.8	33
26	Formation of fumonisin B(1)-glucose reaction product, in vitro cytotoxicity, and lipid peroxidation on kidney cells. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 1359-65	5.7	22
25	Surveillance of pesticide residues in fruits from Valencia during twenty months (2004/05). *Food Control*, **2010**, 21, 36-44	6.2	90
24	Effects of aldicarb and propoxur on cytotoxicity and lipid peroxidation in CHO-K1 cells. *Food and Chemical Toxicology*, **2010**, 48, 1592-6	4.7	19
23	Isolation, purification, LC-MS/MS characterization and reactive oxygen species induced by fumonisin B1 in VERO cells. *Food and Chemical Toxicology*, **2010**, 48, 2891-7	4.7	5
22	Pesticide residue determination in surface waters by stir bar sorptive extraction and liquid chromatography/tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2009**, 393, 1733-43	4.4	70
21	Effects of four carbamate compounds on antioxidant parameters. *Ecotoxicology and Environmental Safety*, **2009**, 72, 922-30	7	57
20	Reactive oxygen species induced by beauvericin, patulin and zearalenone in CHO-K1 cells. *Toxicology in Vitro*, **2009**, 23, 1504-9	3.6	135
19	Dietary administration of high doses of pterostilbene and quercetin to mice is not toxic. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 3180-6	5.7	122
18	Application of capillary electrophoresis-mass spectrometry for determining organic food contaminants and residues. *Electrophoresis*, **2008**, 29, 2059-78	3.6	45
17	Synthesis and characterization of complexes containing Ti-O-Si moieties. Catalytic activity in olefin epoxidation. *Dalton Transactions*, **2007**, 871-7	4.3	24
16	Current trends in solid-phase-based extraction techniques for the determination of pesticides in food and environment. *Journal of Proteomics*, **2007**, 70, 117-31		179

15	Control of pesticide residues by liquid chromatography-mass spectrometry to ensure food safety. *Mass Spectrometry Reviews*, **2006**, 25, 917-60	11	122
14	Exposure assessment of fruits contaminated with pesticide residues from Valencia, 2001- 03. *Food Additives and Contaminants*, **2006**, 23, 674-82		12
13	Comparison of basal cytotoxicity of seven carbamates in CHO-K1 cells. *Toxicological and Environmental Chemistry*, **2006**, 88, 345-354	1.4	58
12	Short-term oral toxicity of quercetin and pterostibene in Swiss mice. *Toxicology Letters*, **2006**, 164, S275-S276	4.4	11
11	Determination of microcystins in biological samples by matrix solid-phase dispersion and liquid chromatography-mass spectrometry. *Journal of Chromatography A*, **2005**, 1073, 257-62	4.5	26
10	Determination of microcystins in natural blooms and cyanobacterial strain cultures by matrix solid-phase dispersion and liquid chromatography-mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2004**, 380, 537-44	4.4	35
9	An in vitro procedure for evaluation of early stage oxidative stress in an established fish cell line applied to investigation of PHAH and pesticide toxicity. *Marine Environmental Research*, **2004**, 58, 631-5	3.3	45
8	Determination of imidacloprid, metalaxyl, myclobutanil, propham, and thiabendazole in fruits and vegetables by liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry. *Freseniuss Journal of Analytical Chemistry*, **2001**, 371, 182-9		69
7	Genotoxicity of six pesticides by Salmonella mutagenicity test and SOS chromotest. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **1997**, 390, 245-55	3	45
6	Solid-phase extraction disks for determining pesticides from soil leachates. *Journal of Chromatography A*, **1997**, 776, 348-354	4.5	8
5	Toxicity assessment of pesticides using the microtox test: application to environmental samples. *Bulletin of Environmental Contamination and Toxicology*, **1997**, 59, 619-25	2.7	51
4	Dissipation and distribution of atrazine, simazine, chlorpyrifos, and tetradifon residues in citrus orchard soil. *Archives of Environmental Contamination and Toxicology*, **1997**, 32, 346-52	3.2	32
3	Optimization of a solid-phase extraction technique for the extraction of pesticides from soil samples. *Journal of Chromatography A*, **1996**, 719, 69-76	4.5	37
2	Persistence of pesticide residues in orchard soil. *Science of the Total Environment*, **1994**, 156, 199-205	10.2	5
1	Determination of pesticides in soil samples by solid phase extraction disks. *Chromatographia*, **1993**, 36, 187-190	2.1	33