

Maria-Jose Ruiz

List of Publications by Citations

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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	Current trends in solid-phase-based extraction techniques for the determination of pesticides in food and environment. <i>Journal of Proteomics</i> , 2007 , 70, 117-31		179
103	Reactive oxygen species induced by beauvericin, patulin and zearalenone in CHO-K1 cells. <i>Toxicology in Vitro</i> , 2009 , 23, 1504-9	3.6	135
102	Dietary administration of high doses of pterostilbene and quercetin to mice is not toxic. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 3180-6	5.7	122
101	Control of pesticide residues by liquid chromatography-mass spectrometry to ensure food safety. <i>Mass Spectrometry Reviews</i> , 2006 , 25, 917-60	11	122
100	Co-occurrence and risk assessment of mycotoxins in food and diet from Mediterranean area. <i>Food Chemistry</i> , 2012 , 135, 423-9	8.5	105
99	Surveillance of pesticide residues in fruits from Valencia during twenty months (2004/05). <i>Food Control</i> , 2010 , 21, 36-44	6.2	90
98	Cytotoxic effects of mycotoxin combinations in mammalian kidney cells. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2718-24	4.7	83
97	Beauvericin-induced cytotoxicity via ROS production and mitochondrial damage in Caco-2 cells. <i>Toxicology Letters</i> , 2013 , 222, 204-11	4.4	82
96	Toxicological interactions between the mycotoxins beauvericin, deoxynivalenol and T-2 toxin in CHO-K1 cells in vitro. <i>Toxicol</i> , 2011 , 58, 315-26	2.8	74
95	Exposure estimates to Fusarium mycotoxins through cereals intake. <i>Chemosphere</i> , 2013 , 93, 2297-303	8.4	70
94	Pesticide residue determination in surface waters by stir bar sorptive extraction and liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 1733-43	4.4	70
93	Determination of imidacloprid, metalaxyl, myclobutanil, protham, and thiabendazole in fruits and vegetables by liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 371, 182-9		69
92	A Review of the Mycotoxin Enniatin B. <i>Frontiers in Public Health</i> , 2017 , 5, 304	6	62
91	Comparison of basal cytotoxicity of seven carbamates in CHO-K1 cells. <i>Toxicological and Environmental Chemistry</i> , 2006 , 88, 345-354	1.4	58
90	Effects of four carbamate compounds on antioxidant parameters. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 922-30	7	57
89	In vitro mechanisms of Beauvericin toxicity: A review. <i>Food and Chemical Toxicology</i> , 2018 , 111, 537-545	4.7	56
88	Interactive effects of zearalenone and its metabolites on cytotoxicity and metabolism in ovarian CHO-K1 cells. <i>Toxicology in Vitro</i> , 2014 , 28, 95-103	3.6	56

87	Presence of ochratoxin A (OTA) mycotoxin in alcoholic drinks from southern European countries: wine and beer. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 7643-51	5.7	54
86	Toxicity assessment of pesticides using the microtox test: application to environmental samples. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1997 , 59, 619-25	2.7	51
85	Reactive oxygen species involvement in apoptosis and mitochondrial damage in Caco-2 cells induced by enniatins A, A ₁ B and B ₁ . <i>Toxicology Letters</i> , 2013 , 222, 36-44	4.4	49
84	Interaction effects of Fusarium enniatins (A, A ₁ , B and B ₁) combinations on in vitro cytotoxicity of Caco-2 cells. <i>Toxicology in Vitro</i> , 2014 , 28, 88-94	3.6	48
83	Involvement of enniatins-induced cytotoxicity in human HepG2 cells. <i>Toxicology Letters</i> , 2013 , 218, 166-74	4.4	46
82	Comparative cytotoxicity study of enniatins A, A ₁ A ₂ B, B ₁ B ₂ and J ₁ in Caco-2 cells, Hep-G ₂ and HT-29. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2464-9	4.7	45
81	Genotoxicity of six pesticides by Salmonella mutagenicity test and SOS chromotest. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997 , 390, 245-55	3	45
80	Application of capillary electrophoresis-mass spectrometry for determining organic food contaminants and residues. <i>Electrophoresis</i> , 2008 , 29, 2059-78	3.6	45
79	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. <i>Marine Environmental Research</i> , 2004 , 58, 631-5	3.3	45
78	Cytotoxic effects induced by patulin, sterigmatocystin and beauvericin on CHO-K1 cells. <i>Food and Chemical Toxicology</i> , 2016 , 89, 92-103	4.7	44
77	Fermentation in fish and by-products processing: an overview of current research and future prospects. <i>Current Opinion in Food Science</i> , 2020 , 31, 9-16	9.8	44
76	Oxidative damage and disturbance of antioxidant capacity by zearalenone and its metabolites in human cells. <i>Toxicology in Vitro</i> , 2017 , 45, 334-339	3.6	43
75	Mechanisms of beauvericin toxicity and antioxidant cellular defense. <i>Toxicology Letters</i> , 2016 , 246, 28-34	4.4	40
74	Toxicity evaluation of individual and mixed enniatins using an in vitro method with CHO-K1 cells. <i>Toxicology in Vitro</i> , 2013 , 27, 672-80	3.6	37
73	Optimization of a solid-phase extraction technique for the extraction of pesticides from soil samples. <i>Journal of Chromatography A</i> , 1996 , 719, 69-76	4.5	37
72	Cytotoxic effects of zearalenone and its metabolites and antioxidant cell defense in CHO-K1 cells. <i>Food and Chemical Toxicology</i> , 2016 , 96, 43-9	4.7	35
71	Study of the cytotoxic activity of beauvericin and fusaproliferin and bioavailability in vitro on Caco-2 cells. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2356-61	4.7	35
70	Determination of microcystins in natural blooms and cyanobacterial strain cultures by matrix solid-phase dispersion and liquid chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 380, 537-44	4.4	35

69	Disturbance of antioxidant capacity produced by beauvericin in CHO-K1 cells. <i>Toxicology Letters</i> , 2014 , 226, 337-42	4.4	33
68	Isolation and purification of enniatins A, A(1), B, B(1), produced by <i>Fusarium tricinctum</i> in solid culture, and cytotoxicity effects on Caco-2 cells. <i>Toxicon</i> , 2010 , 56, 418-24	2.8	33
67	Determination of pesticides in soil samples by solid phase extraction disks. <i>Chromatographia</i> , 1993 , 36, 187-190	2.1	33
66	Dissipation and distribution of atrazine, simazine, chlorpyrifos, and tetradifon residues in citrus orchard soil. <i>Archives of Environmental Contamination and Toxicology</i> , 1997 , 32, 346-52	3.2	32
65	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. <i>Toxicon</i> , 2012 , 59, 1-11	2.8	31
64	Cytotoxicity, Genotoxicity and Disturbance of Cell Cycle in HepG2 Cells Exposed to OTA and BEA: Single and Combined Actions. <i>Toxins</i> , 2019 , 11,	4.9	30
63	Cytotoxic effects and degradation products of three mycotoxins: alternariol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol in liver hepatocellular carcinoma cells. <i>Toxicology Letters</i> , 2015 , 235, 8-16	4.4	30
62	Effects of deoxynivalenol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on parameters associated with oxidative stress in HepG2 cells. <i>Mycotoxin Research</i> , 2019 , 35, 197-205	4	30
61	Oxidative stress of alternariol in Caco-2 cells. <i>Toxicology Letters</i> , 2014 , 229, 458-64	4.4	29
60	Interaction effects of enniatin B, deoxinivalenol and alternariol in Caco-2 cells. <i>Toxicology Letters</i> , 2016 , 241, 38-48	4.4	28
59	Estrogenic activity of zearalenone, Zearalenol and Zearalenol assessed using the E-screen assay in MCF-7 cells. <i>Toxicology Mechanisms and Methods</i> , 2018 , 28, 239-242	3.6	27
58	Study of the potential toxicity of commercial crispy breads by evaluation of bioaccessibility and bioavailability of minor <i>Fusarium</i> mycotoxins. <i>Food and Chemical Toxicology</i> , 2012 , 50, 288-94	4.7	26
57	Determination of microcystins in biological samples by matrix solid-phase dispersion and liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2005 , 1073, 257-62	4.5	26
56	Binary and tertiary combination of alternariol, 3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol on HepG2 cells: Toxic effects and evaluation of degradation products. <i>Toxicology in Vitro</i> , 2016 , 34, 264-273	3.6	26
55	Applications of flow cytometry to toxicological mycotoxin effects in cultured mammalian cells: a review. <i>Food and Chemical Toxicology</i> , 2013 , 56, 40-59	4.7	25
54	Antibacterial activity of the enniatin B, produced by <i>Fusarium tricinctum</i> in liquid culture, and cytotoxic effects on Caco-2 cells. <i>Toxicology Mechanisms and Methods</i> , 2011 , 21, 503-12	3.6	25
53	An in vitro investigation on the cytotoxic and nuclear receptor transcriptional activity of the mycotoxins fumonisin B1 and beauvericin. <i>Toxicology Letters</i> , 2016 , 257, 1-10	4.4	25
52	Beauvericin and enniatin B effects on a human lymphoblastoid Jurkat T-cell model. <i>Food and Chemical Toxicology</i> , 2018 , 115, 127-135	4.7	24

51	Synthesis and characterization of complexes containing Ti-O-Si moieties. Catalytic activity in olefin epoxidation. <i>Dalton Transactions</i> , 2007 , 871-7	4.3	24
50	Enniatin A1, enniatin B1 and beauvericin on HepG2: Evaluation of toxic effects. <i>Food and Chemical Toxicology</i> , 2015 , 84, 188-96	4.7	23
49	Effects of soyasaponin I and soyasaponins-rich extract on the alternariol-induced cytotoxicity on Caco-2 cells. <i>Food and Chemical Toxicology</i> , 2015 , 77, 44-9	4.7	22
48	Alternariol induce toxicity via cell death and mitochondrial damage on Caco-2 cells. <i>Food and Chemical Toxicology</i> , 2016 , 88, 32-9	4.7	22
47	Formation of fumonisin B(1)-glucose reaction product, in vitro cytotoxicity, and lipid peroxidation on kidney cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 1359-65	5.7	22
46	Cytotoxic effects induced by patulin, deoxynivalenol and toxin T2 individually and in combination in hepatic cells (HepG2). <i>Food and Chemical Toxicology</i> , 2018 , 120, 12-23	4.7	21
45	Role of quercetin on Caco-2 cells against cytotoxic effects of alternariol and alternariol monomethyl ether. <i>Food and Chemical Toxicology</i> , 2016 , 89, 60-6	4.7	20
44	Effects of aldicarb and propoxur on cytotoxicity and lipid peroxidation in CHO-K1 cells. <i>Food and Chemical Toxicology</i> , 2010 , 48, 1592-6	4.7	19
43	Alternariol-induced cytotoxicity in Caco-2 cells. Protective effect of the phenolic fraction from virgin olive oil. <i>Toxicol</i> , 2015 , 93, 103-11	2.8	17
42	Oxidative DNA damage and disturbance of antioxidant capacity by alternariol in Caco-2 cells. <i>Toxicology Letters</i> , 2015 , 235, 61-6	4.4	16
41	Cytoprotective effect of resveratrol diastereomers in CHO-K1 cells exposed to beauvericin. <i>Food and Chemical Toxicology</i> , 2015 , 80, 319-327	4.7	15
40	Micronucleus induction and cell cycle alterations produced by deoxynivalenol and its acetylated derivatives in individual and combined exposure on HepG2 cells. <i>Food and Chemical Toxicology</i> , 2018 , 118, 719-725	4.7	15
39	Aquaculture and its by-products as a source of nutrients and bioactive compounds. <i>Advances in Food and Nutrition Research</i> , 2020 , 92, 1-33	6	14
38	Reaction of zearalenone and zearalenol with allyl isothiocyanate, characterization of reaction products, their bioaccessibility and bioavailability in vitro. <i>Food Chemistry</i> , 2017 , 217, 648-654	8.5	14
37	Effect of polyphenols on enniatins-induced cytotoxic effects in mammalian cells. <i>Toxicology Mechanisms and Methods</i> , 2012 , 22, 687-95	3.6	14
36	Antioxidant capacity of trans-resveratrol dietary supplements alone or combined with the mycotoxin beauvericin. <i>Food and Chemical Toxicology</i> , 2017 , 105, 315-318	4.7	12
35	Bioaccessibility of enniatins A, A ₁ B, and B ₁ in different commercial breakfast cereals, cookies, and breads of Spain. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 456-61	5.7	12
34	Exposure assessment of fruits contaminated with pesticide residues from Valencia, 2001- 03. <i>Food Additives and Contaminants</i> , 2006 , 23, 674-82		12

33	Improved Extraction Efficiency of Antioxidant Bioactive Compounds from and Using Pulsed Electric Fields. <i>Molecules</i> , 2020 , 25,	4.8	12
32	Blood, breast milk and urine: potential biomarkers of exposure and estimated daily intake of ochratoxin A: a review. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016 , 33, 313-28	3.2	11
31	Short-term oral toxicity of quercetin and pterostibene in Swiss mice. <i>Toxicology Letters</i> , 2006 , 164, S275-S276	4.7	11
30	Sterigmatocystin: Occurrence, toxicity and molecular mechanisms of action - A review. <i>Food and Chemical Toxicology</i> , 2020 , 146, 111802	4.7	11
29	Biological activity and toxicity of plant nutraceuticals: an overview. <i>Current Opinion in Food Science</i> , 2021 , 42, 113-118	9.8	11
28	Degradation of silica particles functionalised with essential oil components under simulated physiological conditions. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123120	12.8	10
27	T-2 toxin and its metabolites: Characterization, cytotoxic mechanisms and adaptive cellular response in human hepatocarcinoma (HepG2) cells. <i>Food and Chemical Toxicology</i> , 2020 , 145, 111654	4.7	10
26	Bioaccessibility and bioavailability of fumonisin B2 and its reaction products with isothiocyanates through a simulated gastrointestinal digestion system. <i>Food Control</i> , 2014 , 37, 326-335	6.2	9
25	Solid-phase extraction disks for determining pesticides from soil leachates. <i>Journal of Chromatography A</i> , 1997 , 776, 348-354	4.5	8
24	Sterigmatocystin-induced cytotoxicity via oxidative stress induction in human neuroblastoma cells. <i>Food and Chemical Toxicology</i> , 2020 , 136, 110956	4.7	8
23	The role of mitochondria in sterigmatocystin-induced apoptosis on SH-SY5Y cells. <i>Food and Chemical Toxicology</i> , 2020 , 142, 111493	4.7	7
22	Impact of Fermentation on the Recovery of Antioxidant Bioactive Compounds from Sea Bass Byproducts. <i>Antioxidants</i> , 2020 , 9,	7.1	7
21	Does low concentration mycotoxin exposure induce toxicity in HepG2 cells through oxidative stress?. <i>Toxicology Mechanisms and Methods</i> , 2020 , 30, 417-426	3.6	7
20	Comparative cytotoxic study of silica materials functionalised with essential oil components in HepG2 cells. <i>Food and Chemical Toxicology</i> , 2021 , 147, 111858	4.7	7
19	Cytotoxic effects of individual and combined sterigmatocystin and nivalenol on liver hepatocellular carcinoma cells. <i>Food and Chemical Toxicology</i> , 2020 , 143, 111473	4.7	6
18	In silico and in vitro prediction of the toxicological effects of individual and combined mycotoxins. <i>Food and Chemical Toxicology</i> , 2018 , 122, 194-202	4.7	6
17	Isolation, purification, LC-MS/MS characterization and reactive oxygen species induced by fumonisin B1 in VERO cells. <i>Food and Chemical Toxicology</i> , 2010 , 48, 2891-7	4.7	5
16	Persistence of pesticide residues in orchard soil. <i>Science of the Total Environment</i> , 1994 , 156, 199-205	10.2	5

15	Scaling-up processes: Patents and commercial applications. <i>Advances in Food and Nutrition Research</i> , 2020 , 92, 187-223	6	5
14	Zearalenone 2014 , 52-66		4
13	Production, purification, and mass spectrometry characterization of the cyclohexadepsipeptide enniatin J3 and study of the cytotoxicity on differentiated and undifferentiated Caco-2 cells. <i>Toxicological and Environmental Chemistry</i> , 2011 , 93, 383-395	1.4	4
12	Relevant essential oil components: a minireview on increasing applications and potential toxicity. <i>Toxicology Mechanisms and Methods</i> , 2021 , 31, 559-565	3.6	4
11	Effects of Quercetin against Mycotoxin Induced Cytotoxicity: A Mini- Review. <i>Current Nutrition and Food Science</i> , 2017 , 13,	0.7	3
10	Cytoprotective Effects of Fish Protein Hydrolysates against HO-Induced Oxidative Stress and Mycotoxins in Caco-2/TC7 Cells. <i>Antioxidants</i> , 2021 , 10,	7.1	3
9	Isolation, Identification and Investigation of Fermentative Bacteria from Sea Bass (): Evaluation of Antifungal Activity of Fermented Fish Meat and By-Products Broths. <i>Foods</i> , 2020 , 9,	4.9	2
8	Occurrence, mitigation and in vitro cytotoxicity of nivalenol, a type B trichothecene mycotoxin - Updates from the last decade (2010-2020). <i>Food and Chemical Toxicology</i> , 2021 , 152, 112182	4.7	2
7	Interactions between T-2 toxin and its metabolites in HepG2 cells and in silico approach. <i>Food and Chemical Toxicology</i> , 2021 , 148, 111942	4.7	2
6	Role of quercetin on sterigmatocystin-induced oxidative stress-mediated toxicity. <i>Food and Chemical Toxicology</i> , 2021 , 156, 112498	4.7	2
5	Effects of essential oil components exposure on biological parameters of <i>Caenorhabditis elegans</i> .. <i>Food and Chemical Toxicology</i> , 2021 , 159, 112763	4.7	1
4	In vitro toxicological evaluation of mesoporous silica microparticles functionalised with carvacrol and thymol.. <i>Food and Chemical Toxicology</i> , 2021 , 160, 112778	4.7	1
3	Sterigmatocystin-induced DNA damage triggers cell-cycle arrest MAPK in human neuroblastoma cells. <i>Toxicology Mechanisms and Methods</i> , 2021 , 31, 479-488	3.6	1
2	Development of an in vitro neuroblastoma 3D model and its application for sterigmatocystin-induced cytotoxicity testing. <i>Food and Chemical Toxicology</i> , 2021 , 157, 112605	4.7	0
1	In vivo toxicity assessment of eugenol and vanillin-functionalised silica particles using <i>Caenorhabditis elegans</i> .. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 238, 113601	7	