Maria-Jose Ruiz

List of Publications by Year
in descending order

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111 papers	4,249 citations	81743 39 h-index	128067 60 g-index
120 all docs	120 docs citations	120 times ranked	3879 citing authors

#	Article	IF	Citations
1	Current trends in solid-phase-based extraction techniques for the determination of pesticides in food and environment. Journal of Proteomics, 2007, 70, 117-131.	2.4	201
2	Reactive oxygen species induced by beauvericin, patulin and zearalenone in CHO-K1 cells. Toxicology in Vitro, 2009, 23, 1504-1509.	1.1	152
3	Dietary Administration of High Doses of Pterostilbene and Quercetin to Mice Is Not Toxic. Journal of Agricultural and Food Chemistry, 2009, 57, 3180-3186.	2.4	149
4	Control of pesticide residues by liquid chromatographyâ€mass spectrometry to ensure food safety. Mass Spectrometry Reviews, 2006, 25, 917-960.	2.8	142
5	Co-occurrence and risk assessment of mycotoxins in food and diet from Mediterranean area. Food Chemistry, 2012, 135, 423-429.	4.2	125
6	Surveillance of pesticide residues in fruits from Valencia during twenty months (2004/05). Food Control, 2010, 21, 36-44.	2.8	115
7	A Review of the Mycotoxin Enniatin B. Frontiers in Public Health, 2017, 5, 304.	1.3	100
8	Beauvericin-induced cytotoxicity via ROS production and mitochondrial damage in Caco-2 cells. Toxicology Letters, 2013, 222, 204-211.	0.4	91
9	In vitro mechanisms of Beauvericin toxicity: A review. Food and Chemical Toxicology, 2018, 111, 537-545.	1.8	90
10	Cytotoxic effects of mycotoxin combinations in mammalian kidney cells. Food and Chemical Toxicology, 2011, 49, 2718-2724.	1.8	89
11	Exposure estimates to Fusarium mycotoxins through cereals intake. Chemosphere, 2013, 93, 2297-2303.	4.2	89
12	Fermentation in fish and by-products processing: an overview of current research and future prospects. Current Opinion in Food Science, 2020, 31, 9-16.	4.1	80
13	Determination of imidacloprid, metalaxyl, myclobutanil, propham, and thiabendazole in fruits and vegetables by liquid chromatographyâ€“atmospheric pressure chemical ionizationâ€“mass spectrometry. Fresenius' Journal of Analytical Chemistry, 2001, 371, 182-189.	1.5	79
14	Toxicological interactions between the mycotoxins beauvericin, deoxynivalenol and T-2 toxin in CHO-K1 cells inÂvitro. Toxicon, 2011, 58, 315-326.	0.8	79
15	Pesticide residue determination in surface waters by stir bar sorptive extraction and liquid chromatography/tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2009, 393, 1733-1743.	1.9	76
16	Effects of four carbamate compounds on antioxidant parameters. Ecotoxicology and Environmental Safety, 2009, 72, 922-930.	2.9	67
17	Interactive effects of zearalenone and its metabolites on cytotoxicity and metabolization in ovarian CHO-K1 cells. Toxicology in Vitro, 2014, 28, 95-103.	1.1	67
18	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.	0.4	66

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19	Comparison of basal cytotoxicity of seven carbamates in CHO-K1 cells. Toxicological and Environmental Chemistry, 2006, 88, 345-354.	0.6	65
20	Presence of Ochratoxin A (OTA) Mycotoxin in Alcoholic Drinks from Southern European Countries: Wine and Beer. Journal of Agricultural and Food Chemistry, 2014, 62, 7643-7651.	2.4	62
21	Oxidative damage and disturbance of antioxidant capacity by zearalenone and its metabolites in human cells. Toxicology in Vitro, 2017, 45, 334-339.	1.1	62
22	Cytotoxic effects of zearalenone and its metabolites and antioxidant cell defense in CHO-K1 cells. Food and Chemical Toxicology, 2016, 96, 43-49.	1.8	60
23	Toxicity Assessment of Pesticides Using the Microtox Test: Application to Environmental Samples. Bulletin of Environmental Contamination and Toxicology, 1997, 59, 619-625.	1.3	59
24	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, 631-635.	1.1	56
25	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.	1.1	56
26	Comparative cytotoxicity study of enniatins A, A1, A2, B, B1, B4 and J3 on Caco-2 cells, Hep-G2 and HT-29. Food and Chemical Toxicology, 2011, 49, 2464-2469.	1.8	54
27	Application of capillary electrophoresisâ€mass spectrometry for determining organic food contaminants and residues. Electrophoresis, 2008, 29, 2059-2078.	1.3	53
28	Mechanisms of beauvericin toxicity and antioxidant cellular defense. Toxicology Letters, 2016, 246, 28-34.	0.4	52
29	Cytotoxic effects induced by patulin, sterigmatocystin and beauvericin on CHOâ€“K1 cells. Food and Chemical Toxicology, 2016, 89, 92-103.	1.8	52
30	Involvement of enniatins-induced cytotoxicity in human HepG2 cells. Toxicology Letters, 2013, 218, 166-173.	0.4	51
31	Genotoxicity of six pesticides by Salmonella mutagenicity test and SOS chromotest. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 390, 245-255.	0.9	47
32	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.	1.3	47
33	Toxicity evaluation of individual and mixed enniatins using an in vitro method with CHO-K1 cells. Toxicology in Vitro, 2013, 27, 672-680.	1.1	46
34	Optimization of a solid-phase extraction technique for the extraction of pesticides from soil samples. Journal of Chromatography A, 1996, 719, 69-76.	1.8	42
35	Study of the cytotoxic activity of beauvericin and fusaproliferin and bioavailability in vitro on Caco-2 cells. Food and Chemical Toxicology, 2012, 50, 2356-2361.	1.8	42
36	Dissipation and Distribution of Atrazine, Simazine, Chlorpyrifos, and Tetradifon Residues in Citrus Orchard Soil. Archives of Environmental Contamination and Toxicology, 1997, 32, 346-352.	2.1	41

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37	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, 537-544.	1.9	41
38	Cytotoxicity, Genotoxicity and Disturbance of Cell Cycle in HepG2 Cells Exposed to OTA and BEA: Single and Combined Actions. Toxins, 2019, 11, 341.	1.5	41
39	Determination of pesticides in soil samples by solid phase extraction disks. Chromatographia, 1993, 36, 187-190.	0.7	40
40	Oxidative stress of alternariol in Caco-2 cells. Toxicology Letters, 2014, 229, 458-464.	0.4	39
41	Estrogenic activity of zearalenone, Î±-zearalenol and Î²-zearalenol assessed using the E-screen assay in MCF-7 cells. Toxicology Mechanisms and Methods, 2018, 28, 239-242.	1.3	39
42	Climate Change and Effects on Molds and Mycotoxins. Toxins, 2022, 14, 445.	1.5	38
43	Isolation and purification of enniatins A, A1, B, B1, produced by Fusarium tricinctum in solid culture, and cytotoxicity effects on Caco-2 cells. Toxicon, 2010, 56, 418-424.	0.8	37
44	Disturbance of antioxidant capacity produced by beauvericin in CHO-K1 cells. Toxicology Letters, 2014, 226, 337-342.	0.4	37
45	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.	0.4	36
46	Interaction effects of enniatin B, deoxinivalenol and alternariol in Caco-2 cells. Toxicology Letters, 2016, 241, 38-48.	0.4	35
47	Study of the potential toxicity of enniatins A, A1, B, B1 by evaluation of duodenal and colonic bioavailability applying an inÂvitro method by Caco-2 cells. Toxicon, 2012, 59, 1-11.	0.8	34
48	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.	0.4	32
49	Sterigmatocystin: Occurrence, toxicity and molecular mechanisms of action â€“ A review. Food and Chemical Toxicology, 2020, 146, 111802.	1.8	32
50	Improved Extraction Efficiency of Antioxidant Bioactive Compounds from Tetraselmis chuii and Phaedoactylum tricornutum Using Pulsed Electric Fields. Molecules, 2020, 25, 3921.	1.7	32
51	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.	1.1	31
52	Biological activity and toxicity of plant nutraceuticals: an overview. Current Opinion in Food Science, 2021, 42, 113-118.	4.1	31
53	Antibacterial activity of the enniatin B, produced byFusarium tricinctumin liquid culture, and cytotoxic effects on Caco-2 cells. Toxicology Mechanisms and Methods, 2011, 21, 503-512.	1.3	30
54	Applications of flow cytometry to toxicological mycotoxin effects in cultured mammalian cells: A review. Food and Chemical Toxicology, 2013, 56, 40-59.	1.8	30

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55	Beauvericin and enniatin B effects on a human lymphoblastoid Jurkat T-cell model. Food and Chemical Toxicology, 2018, 115, 127-135.	1.8	30
56	Determination of microcystins in biological samples by matrix solid-phase dispersion and liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2005, 1073, 257-262.	1.8	29
57	Effects of soyasaponin I and soyasaponins-rich extract on the Alternariol-induced cytotoxicity on Caco-2 cells. Food and Chemical Toxicology, 2015, 77, 44-49.	1.8	29
58	Synthesis and characterization of complexes containing Tiâ€“Oâ€“Si moieties. Catalytic activity in olefin epoxidation. Dalton Transactions, 2007, , 871-877.	1.6	28
59	Alternariol induce toxicity via cell death and mitochondrial damage on Caco-2 cells. Food and Chemical Toxicology, 2016, 88, 32-39.	1.8	28
60	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.	1.8	28
61	Enniatin A1, enniatin B1 and beauvericin on HepG2: Evaluation ofÂtoxic effects. Food and Chemical Toxicology, 2015, 84, 188-196.	1.8	27
62	Role of quercetin on Caco-2 cells against cytotoxic effects of alternariol and alternariol monomethyl ether. Food and Chemical Toxicology, 2016, 89, 60-66.	1.8	27
63	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, 288-294.	1.8	26
64	Formation of Fumonisin B₁â˜'Glucose Reaction Product,in VitroCytotoxicity, and Lipid Peroxidation on Kidney Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 1359-1365.	2.4	25
65	Aquaculture and its by-products as a source of nutrients and bioactive compounds. Advances in Food and Nutrition Research, 2020, 92, 1-33.	1.5	24
66	Alternariol-induced cytotoxicity in Caco-2 cells. Protective effect of the phenolic fraction from virgin olive oil. Toxicon, 2015, 93, 103-111.	0.8	23
67	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.	1.8	23
68	Relevant essential oil components: a minireview on increasing applications and potential toxicity. Toxicology Mechanisms and Methods, 2021, 31, 559-565.	1.3	22
69	Effects of aldicarb and propoxur on cytotoxicity and lipid peroxidation in CHO-K1 cells. Food and Chemical Toxicology, 2010, 48, 1592-1596.	1.8	21
70	Oxidative DNA damage and disturbance of antioxidant capacity by alternariol in Caco-2 cells. Toxicology Letters, 2015, 235, 61-66.	0.4	21
71	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.	1.8	21
72	Cytoprotective effect of resveratrol diastereomers in CHO-K1 cells exposed to beauvericin. Food and Chemical Toxicology, 2015, 80, 319-327.	1.8	20

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73	Impact of Fermentation on the Recovery of Antioxidant Bioactive Compounds from Sea Bass Byproducts. Antioxidants, 2020, 9, 239.	2.2	20
74	Reaction of zearalenone and Î±-zearalenol with allyl isothiocyanate, characterization of reaction products, their bioaccessibility and bioavailability in vitro. Food Chemistry, 2017, 217, 648-654.	4.2	19
75	Degradation of silica particles functionalised with essential oil components under simulated physiological conditions. Journal of Hazardous Materials, 2020, 399, 123120.	6.5	19
76	Exposure assessment of fruits contaminated with pesticide residues from Valencia, 2001â€“â€‰03. Food Additives and Contaminants, 2006, 23, 674-682.	2.0	17
77	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, 456-461.	2.4	16
78	Antioxidant capacity of trans -resveratrol dietary supplements alone or combined with the mycotoxin beauvericin. Food and Chemical Toxicology, 2017, 105, 315-318.	1.8	16
79	Effect of polyphenols on enniatins-induced cytotoxic effects in mammalian cells. Toxicology Mechanisms and Methods, 2012, 22, 687-695.	1.3	15
80	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, 1-16.	1.1	15
81	Short-term oral toxicity of quercetin and pterostibene in Swiss mice. Toxicology Letters, 2006, 164, S275-S276.	0.4	14
82	Sterigmatocystin-induced cytotoxicity via oxidative stress induction in human neuroblastoma cells. Food and Chemical Toxicology, 2020, 136, 110956.	1.8	14
83	Cytotoxic effects of individual and combined sterigmatocystin and nivalenol on liver hepatocellular carcinoma cells. Food and Chemical Toxicology, 2020, 143, 111473.	1.8	14
84	Comparative cytotoxic study of silica materials functionalised with essential oil components in HepG2 cells. Food and Chemical Toxicology, 2021, 147, 111858.	1.8	12
85	Role of quercetin on sterigmatocystin-induced oxidative stress-mediated toxicity. Food and Chemical Toxicology, 2021, 156, 112498.	1.8	12
86	Occurrence, mitigation and in vitro cytotoxicity of nivalenol, a type B trichothecene mycotoxin â€“ Updates from the last decade (2010â€“2020). Food and Chemical Toxicology, 2021, 152, 112182.	1.8	11
87	Solid-phase extraction disks for determining pesticides from soil leachates. Journal of Chromatography A, 1997, 776, 348-354.	1.8	10
88	The role of mitochondria in sterigmatocystin-induced apoptosis on SH-SY5Y cells. Food and Chemical Toxicology, 2020, 142, 111493.	1.8	10
89	Does low concentration mycotoxin exposure induce toxicity in HepG2 cells through oxidative stress?. Toxicology Mechanisms and Methods, 2020, 30, 417-426.	1.3	10
90	Bioaccessibility and bioavailability of fumonisin B2 and its reaction products with isothiocyanates through a simulated gastrointestinal digestion system. Food Control, 2014, 37, 326-335.	2.8	9

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91	Interactions between T-2 toxin and its metabolites in HepG2 cells and in silico approach. Food and Chemical Toxicology, 2021, 148, 111942.	1.8	9
92	In silico and in vitro prediction of the toxicological effects of individual and combined mycotoxins. Food and Chemical Toxicology, 2018, 122, 194-202.	1.8	8
93	Cytoprotective Effects of Fish Protein Hydrolysates against H2O2-Induced Oxidative Stress and Mycotoxins in Caco-2/TC7 Cells. Antioxidants, 2021, 10, 975.	2.2	8
94	Development of an in vitro neuroblastoma 3D model and its application for sterigmatocystin-induced cytotoxicity testing. Food and Chemical Toxicology, 2021, 157, 112605.	1.8	7
95	Effects of essential oil components exposure on biological parameters of Caenorhabditis elegans. Food and Chemical Toxicology, 2022, 159, 112763.	1.8	7
96	Persistence of pesticide residues in orchard soil. Science of the Total Environment, 1994, 156, 199-205.	3.9	6
97	Isolation, purification, LCâ€“MS/MS characterization and reactive oxygen species induced by fumonisin B1 in VERO cells. Food and Chemical Toxicology, 2010, 48, 2891-2897.	1.8	6
98	Scaling-up processes: Patents and commercial applications. Advances in Food and Nutrition Research, 2020, 92, 187-223.	1.5	6
99	Isolation, Identification and Investigation of Fermentative Bacteria from Sea Bass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Overloc 2020, 9, 576.	1.9	6
100	Effect of Phenolic Extract from Red Beans (Phaseolus vulgaris L.) on T-2 Toxin-Induced Cytotoxicity in HepG2 Cells. Foods, 2022, 11, 1033.	1.9	6
101	Sterigmatocystin-induced DNA damage triggers cell-cycle arrest via MAPK in human neuroblastoma cells. Toxicology Mechanisms and Methods, 2021, 31, 479-488.	1.3	5
102	Production, purification, and mass spectrometry characterization of the cyclohexadepsipeptide enniatin J3and study of the cytoxicity on differentiated and undifferentiated Caco-2 cells. Toxicological and Environmental Chemistry, 2011, 93, 383-395.	0.6	4
103	Effects of Quercetin against Mycotoxin Induced Cytotoxicity: A Mini- Review. Current Nutrition and Food Science, 2017, 13, .	0.3	4
104	In vitro toxicological evaluation of mesoporous silica microparticles functionalised with carvacrol and thymol. Food and Chemical Toxicology, 2022, 160, 112778.	1.8	4
105	In vivo toxicity assessment of eugenol and vanillin-functionalised silica particles using Caenorhabditis elegans. Ecotoxicology and Environmental Safety, 2022, 238, 113601.	2.9	4
106	Editorial: Mechanism of mycotoxins. Food and Chemical Toxicology, 2019, 123, 520-521.	1.8	3
107	In vitro cytotoxicity of patulin, deoxynivalenol, nivalenol and zearalenone on CHO-K1 cells. Toxicology Letters, 2006, 164, S208.	0.4	1
108	DNA damage and antioxidant capacity produced by beauvericin, zearalenone and its metabolites in CHO-K1 cells. Toxicology Letters, 2014, 229, S50.	0.4	1

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109	Evaluation of fruit consumption safety applying LCâ€“MS. Toxicology Letters, 2006, 164, S280-S281.	0.4	0
110	Comparative cytotoxicity effect of zearalenone and its metabolites on the CHO-K1 cells. Toxicology Letters, 2009, 189, S76.	0.4	0
111	Cytotoxic effects by combining alternaria and trichotecene mycotoxins in liver hepatocellular carcinoma cells. Toxicology Letters, 2014, 229, S176.	0.4	0