Ana Juan-Garcia

List of Publications by Year
in descending order

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88 papers	3,236 citations	126858 33 h-index	161767 54 g-index
95 all docs	95 docs citations	95 times ranked	2983 citing authors

#	Article	IF	Citations
1	Reactive oxygen species induced by beauvericin, patulin and zearalenone in CHO-K1 cells. Toxicology in Vitro, 2009, 23, 1504-1509.	1.1	152
2	Fusarium species, chemotype characterisation and trichothecene contamination of durum and soft wheat in an area of central Italy. Journal of the Science of Food and Agriculture, 2015, 95, 540-551.	1.7	122
3	Pressurized liquid extraction combined with capillary electrophoresisâ€“mass spectrometry as an improved methodology for the determination of sulfonamide residues in meat. Journal of Chromatography A, 2007, 1159, 233-241.	1.8	113
4	Presence of mycotoxin in commercial infant formulas and baby foods from Italian market. Food Control, 2014, 39, 227-236.	2.8	112
5	Occurrence of Fusarium mycotoxins in Italian cereal and cereal products from organic farming. Food Chemistry, 2013, 141, 1747-1755.	4.2	109
6	Capillary electrophoresis for analyzing pesticides in fruits and vegetables using solid-phase extraction and stir-bar sorptive extraction. Journal of Chromatography A, 2005, 1073, 229-236.	1.8	101
7	Determination of quinolone residues in chicken and fish by capillary electrophoresis-mass spectrometry. Electrophoresis, 2006, 27, 2240-2249.	1.3	92
8	Beauvericin-induced cytotoxicity via ROS production and mitochondrial damage in Caco-2 cells. Toxicology Letters, 2013, 222, 204-211.	0.4	91
9	Cytotoxic effects of mycotoxin combinations in mammalian kidney cells. Food and Chemical Toxicology, 2011, 49, 2718-2724.	1.8	89
10	Determination of trichothecenes and zearalenones in grain cereal, flour and bread by liquid chromatography tandem mass spectrometry. Food Chemistry, 2012, 134, 2389-2397.	4.2	89
11	Simultaneous analysis of twenty-six mycotoxins in durum wheat grain from Italy. Food Control, 2016, 62, 322-329.	2.8	88
12	Toxicological interactions between the mycotoxins beauvericin, deoxynivalenol and T-2 toxin in CHO-K1 cells inÂvitro. Toxicon, 2011, 58, 315-326.	0.8	79
13	Occurrence and co-occurrence of Fusarium mycotoxins in wheat grains and wheat flour from Romania. Food Control, 2017, 73, 147-155.	2.8	74
14	Evaluation of solid-phase extraction and stir-bar sorptive extraction for the determination of fungicide residues at low-Î¼gkgâ¯1 levels in grapes by liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2004, 1050, 119-127.	1.8	72
15	Evaluation of beauvericin and enniatins in Italian cereal products and multicereal food by liquid chromatography coupled to triple quadrupole mass spectrometry. Food Chemistry, 2013, 140, 755-762.	4.2	72
16	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
17	Simultaneous determination of different classes of antibiotics in fish and livestock by CEâ€MS. Electrophoresis, 2007, 28, 4180-4191.	1.3	64
18	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

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19	Determination of mycotoxins in fruit berry by-products using QuEChERS extraction method. LWT - Food Science and Technology, 2017, 86, 344-351.	2.5	60
20	Residues and Persistence of Neem Formulations on Strawberry after Field Treatment. Journal of Agricultural and Food Chemistry, 2006, 54, 10026-10032.	2.4	56
21	Determination of macrolide and lincosamide antibiotics by pressurised liquid extraction and liquid chromatography-tandem mass spectrometry in meat and milk. Food Control, 2010, 21, 1703-1709.	2.8	55
22	Development and Validation of a LC-ESI-MS/MS Method for the Determination of Alternaria Toxins Alternariol, Alternariol Methyl-Ether and Tentoxin in Tomato and Tomato-Based Products. Toxins, 2016, 8, 328.	1.5	54
23	Mechanisms of beauvericin toxicity and antioxidant cellular defense. Toxicology Letters, 2016, 246, 28-34.	0.4	52
24	Involvement of enniatins-induced cytotoxicity in human HepG2 cells. Toxicology Letters, 2013, 218, 166-173.	0.4	51
25	Pressurised liquid extraction and capillary electrophoresisâ€“mass spectrometry for the analysis of pesticide residues in fruits from Valencian markets, Spain. Food Chemistry, 2010, 120, 1242-1249.	4.2	47
26	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
27	Quantitative analysis of six pesticides in fruits by capillary electrophoresis-electrospray-mass spectrometry. Electrophoresis, 2005, 26, 1550-1561.	1.3	46
28	Determination of organic contaminants in food by capillary electrophoresis. Journal of Separation Science, 2005, 28, 793-812.	1.3	43
29	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
30	Differential Mitochondrial Toxicity Screening and Multi-Parametric Data Analysis. PLoS ONE, 2012, 7, e45226.	1.1	39
31	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
32	Presence of Enniatins and Beauvericin in Romanian Wheat Samples: From Raw Material to Products for Direct Human Consumption. Toxins, 2017, 9, 189.	1.5	36
33	Extraction of Phenolic Compounds from Fresh Apple Pomace by Different Non-Conventional Techniques. Molecules, 2021, 26, 4272.	1.7	36
34	On-line preconcentration strategies for analyzing pesticides in fruits and vegetables by micellar electrokinetic chromatography. Journal of Chromatography A, 2007, 1153, 104-113.	1.8	35
35	Evaluation of immunologic effect of Enniatin A and quantitative determination in feces, urine and serum on treated Wistar rats. Toxicon, 2014, 87, 45-53.	0.8	34
36	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

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37	Accelerated Solvent Extraction of Ochratoxin A from Rice Samples. Journal of Agricultural and Food Chemistry, 2005, 53, 9348-9351.	2.4	30
38	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
39	Beauvericin and enniatin B effects on a human lymphoblastoid Jurkat T-cell model. Food and Chemical Toxicology, 2018, 115, 127-135.	1.8	30
40	Individual and Combined Effect of Zearalenone Derivates and Beauvericin Mycotoxins on SH-SY5Y Cells. Toxins, 2020, 12, 212.	1.5	30
41	Study on Trichothecene and Zearalenone Presence in Romanian Wheat Relative to Weather Conditions. Toxins, 2019, 11, 163.	1.5	29
42	Multimycotoxin Determination in Tunisian Farm Animal Feed. Journal of Food Science, 2019, 84, 3885-3893.	1.5	29
43	Alternariol induce toxicity via cell death and mitochondrial damage on Caco-2 cells. Food and Chemical Toxicology, 2016, 88, 32-39.	1.8	28
44	Multiple Mycotoxin Determination on Tunisian Cereals-Based Food and Evaluation of the Population Exposure. Food Analytical Methods, 2020, 13, 1271-1281.	1.3	28
45	Enniatin A1, enniatin B1 and beauvericin on HepG2: Evaluation ofÂtoxic effects. Food and Chemical Toxicology, 2015, 84, 188-196.	1.8	27
46	Oxidative stress, glutathione, and gene expression as key indicators in SH-SY5Y cells exposed to zearalenone metabolites and beauvericin. Toxicology Letters, 2020, 334, 44-52.	0.4	26
47	Beauvericin and ochratoxin A mycotoxins individually and combined in HepG2 cells alter lipid peroxidation, levels of reactive oxygen species and glutathione. Food and Chemical Toxicology, 2020, 139, 111247.	1.8	25
48	Larval zebrafish as an in vitro model for evaluating toxicological effects of mycotoxins. Ecotoxicology and Environmental Safety, 2020, 202, 110909.	2.9	25
49	In silico methods for metabolomic and toxicity prediction of zearalenone, Î±-zearalenone and Î²-zearalenone. Food and Chemical Toxicology, 2020, 146, 111818.	1.8	24
50	First study on trichothecene and zearalenone exposure of the Romanian population through wheat-based products consumption. Food and Chemical Toxicology, 2018, 121, 336-342.	1.8	23
51	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
52	Cytoprotective effects of carotenoids-rich extract from Lycium barbarum L. on the beauvericin-induced cytotoxicity on Caco-2â€¯cells. Food and Chemical Toxicology, 2019, 133, 110798.	1.8	23
53	Climatic conditions influence emerging mycotoxin presence in wheat grown in Romania â€“ A 2-year survey. Crop Protection, 2017, 100, 124-133.	1.0	22
54	Evaluation of Alternaria mycotoxins in strawberries: quantification and storage condition. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 861-868.	1.1	21

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55	Nanoelectrospray with ion-trap mass spectrometry for the determination of beta-casomorphins in derived milk products. Talanta, 2009, 80, 294-306.	2.9	19
56	Multi-mycotoxin contamination of green tea infusion and dietary exposure assessment in Moroccan population. Food Research International, 2021, 140, 109958.	2.9	19
57	Chemoprotective effect of carotenoids from Lycium barbarum L. on SH-SY5Y neuroblastoma cells treated with beauvericin. Food and Chemical Toxicology, 2020, 141, 111414.	1.8	19
58	Antioxidant and Anti-Inflammatory Profiles of Spent Coffee Ground Extracts for the Treatment of Neurodegeneration. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	16
59	Evaluation of Mycotoxins in Infant Breast Milk and Infant Food, Reviewing the Literature Data. Toxins, 2021, 13, 535.	1.5	16
60	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
61	Phenolic Acids from Lycium barbarum Leaves: In Vitro and In Silico Studies of the Inhibitory Activity against Porcine Pancreatic Î±-Amylase. Processes, 2020, 8, 1388.	1.3	15
62	Mycotoxins presence in pre- and post-fermented silage from Tunisia. Arabian Journal of Chemistry, 2020, 13, 6753-6761.	2.3	14
63	Emerging contaminants and priority substances in marine sediments from Cartagena Bay and the Grand Marsh of Santa Marta (Ramsar site), Colombia. Environmental Monitoring and Assessment, 2021, 193, 596.	1.3	14
64	Rapid Quantification Method of Three Alternaria Mycotoxins in Strawberries. Food Analytical Methods, 2016, 9, 1573-1579.	1.3	12
65	Occurrence of Free and Conjugated Mycotoxins in Aromatic and Medicinal Plants and Dietary Exposure Assessment in the Moroccan Population. Toxins, 2021, 13, 125.	1.5	12
66	Transfer of Fusarium mycotoxins from malt to boiled wort. Food Chemistry, 2019, 278, 700-710.	4.2	11
67	Coffee Silverskin and Spent Coffee Suitable as Neuroprotectors against Cell Death by Beauvericin and Î±-Zearalenol: Evaluating Strategies of Treatment. Toxins, 2021, 13, 132.	1.5	11
68	Biomarkers of Exposure to Zearalenone in In Vivo and In Vitro Studies. Toxins, 2022, 14, 291.	1.5	11
69	Analysis of enniatins and beauvericin by LC-MS/MS in wheat-based products. CYTA - Journal of Food, 2017, 15, 433-440.	0.9	10
70	Does low concentration mycotoxin exposure induce toxicity in HepG2 cells through oxidative stress?. Toxicology Mechanisms and Methods, 2020, 30, 417-426.	1.3	10
71	Neurotoxicity of zearalenoneâ€™s metabolites and beauvericin mycotoxins via apoptosis and cell cycle disruption. Toxicology, 2021, 456, 152784.	2.0	10
72	Study of enzymatic activity in human neuroblastoma cells SH-SY5Y exposed to zearalenone's derivates and beauvericin. Food and Chemical Toxicology, 2021, 152, 112227.	1.8	8

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73	Multimycotoxin Analysis in Oat, Rice, Almond and Soy Beverages by Liquid Chromatography-Tandem Mass Spectrometry. Applied Sciences (Switzerland), 2022, 12, 3942.	1.3	8
74	Effectiveness of beetroot extract in SH-SY5Y neuronal cell protection against Fumonisin B1, Ochratoxin A and its combination. Food and Chemical Toxicology, 2022, 165, 113164.	1.8	8
75	Reducing the effect of beauvericin on neuroblastoma SH-SY5Y cell line by natural products. Toxicon, 2020, 188, 164-171.	0.8	7
76	Cytoprotection assessment against mycotoxins on HepG2 cells by extracts from Allium sativum L. Food and Chemical Toxicology, 2021, 151, 112129.	1.8	7
77	Study of locomotion response and development in zebrafish (Danio rerio) embryos and larvae exposed to enniatin A, enniatin B, and beauvericin. Science of the Total Environment, 2021, 777, 146075.	3.9	7
78	Protective Effects of the Hydroethanolic Extract of Fridericia chica on Undifferentiated Human Neuroblastoma Cells Exposed to Î±-Zearalenol (Î±-ZEL) and Î²-Zearalenol (Î²-ZEL). Toxins, 2021, 13, 748.	1.5	7
79	Development of an Extraction Method of Aflatoxins and Ochratoxin A from Oral, Gastric and Intestinal Phases of Digested Bread by In Vitro Model. Toxins, 2022, 14, 38.	1.5	7
80	Facing Food Risk Perception: Influences of Confinement by SARS-CoV-2 Pandemic in Young Population. Foods, 2022, 11, 662.	1.9	4
81	Biological Mechanisms behind Wischnewsky Spots Finding on Gastric Mucosa: Autopsy Cases and Literature Review. International Journal of Environmental Research and Public Health, 2022, 19, 3601.	1.2	4
82	Effects of Voghiera garlic extracts in neuronal human cell line against zearalenone's derivates and beauvericin. Food and Chemical Toxicology, 2022, 162, 112905.	1.8	4
83	Mycotoxins: Toxicology, Identification and Control. Toxins, 2021, 13, 242.	1.5	3
84	Determination of Alternaria mycotoxins in strawberries and storage conditions. Toxicology Letters, 2014, 229, S177.	0.4	1
85	Introduction to the Toxins Special Issue on Toxicological Effects of Mycotoxin on Target Cells. Toxins, 2020, 12, 446.	1.5	1
86	Comparative cytotoxicity effect of zearalenone and its metabolites on the CHO-K1 cells. Toxicology Letters, 2009, 189, S76.	0.4	0
87	Cytotoxic effects by combining alternaria and trichotecene mycotoxins in liver hepatocellular carcinoma cells. Toxicology Letters, 2014, 229, S176.	0.4	0
88	Introduction to the Toxinsâ€™ Special Issue on Evaluation of Cytotoxicity and Cytoprotection Effects of Natural Toxins. Toxins, 2022, 14, 114.	1.5	0