

# Arturo AnadÃ“n

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

3,170  
citations

159585

30  
h-index

175258

52  
g-index

123  
all docs

123  
docs citations

123  
times ranked

4094  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probiotics for animal nutrition in the European Union. Regulation and safety assessment. Regulatory Toxicology and Pharmacology, 2006, 45, 91-95.	2.7	195
2	Mechanism of Neonicotinoid Toxicity: Impact on Oxidative Stress and Metabolism. Annual Review of Pharmacology and Toxicology, 2018, 58, 471-507.	9.4	195
3	Synthetic phenolic antioxidants: Metabolism, hazards and mechanism of action. Food Chemistry, 2021, 353, 129488.	8.2	184
4	Permethrin-induced oxidative stress and toxicity and metabolism. A review. Environmental Research, 2016, 149, 86-104.	7.5	180
5	Deltamethrin toxicity: A review of oxidative stress and metabolism. Environmental Research, 2019, 170, 260-281.	7.5	128
6	Fipronil insecticide toxicology: oxidative stress and metabolism. Critical Reviews in Toxicology, 2016, 46, 876-899.	3.9	127
7	Use of human neuroblastoma SH-SY5Y cells to evaluate glyphosate-induced effects on oxidative stress, neuronal development and cell death signaling pathways. Environment International, 2020, 135, 105414.	10.0	109
8	Statins: Adverse reactions, oxidative stress and metabolic interactions. , 2019, 195, 54-84.		87
9	Plasma and Tissue Depletion of Florfenicol and Florfenicol-amine in Chickens. Journal of Agricultural and Food Chemistry, 2008, 56, 11049-11056.	5.2	85
10	Fumonisin: oxidative stress-mediated toxicity and metabolism in vivo and in vitro. Archives of Toxicology, 2016, 90, 81-101.	4.2	83
11	Mycotoxins modify the barrier function of Caco-2 cells through differential gene expression of specific claudin isoforms: Protective effect of illite mineral clay. Toxicology, 2016, 353-354, 21-33.	4.2	80
12	Coca and Poppy Eradication in Colombia: Environmental and Human Health Assessment of Aerially Applied Glyphosate. Reviews of Environmental Contamination and Toxicology, 2007, 190, 43-125.	1.3	77
13	Paracetamol: overdose-induced oxidative stress toxicity, metabolism, and protective effects of various compounds in vivo and in vitro. Drug Metabolism Reviews, 2017, 49, 395-437.	3.6	74
14	Neurotransmitter changes in rat brain regions following glyphosate exposure. Environmental Research, 2018, 161, 212-219.	7.5	72
15	γH2AX as a novel endpoint to detect DNA damage: Applications for the assessment of the in vitro genotoxicity of cigarette smoke. Toxicology in Vitro, 2012, 26, 1075-1086.	2.4	65
16	Cytotoxicity induced by deltamethrin and its metabolites in SH-SY5Y cells can be differentially prevented by selected antioxidants. Toxicology in Vitro, 2012, 26, 823-830.	2.4	63
17	Bioavailability and Kinetics of the Antihypertensive Casein-Derived Peptide HLPLP in Rats. Journal of Agricultural and Food Chemistry, 2014, 62, 11869-11875.	5.2	60
18	Pharmacokinetic characteristics and tissue residues for marbofloxacin and its metabolite N-desmethyl-marbofloxacin in broiler chickens. American Journal of Veterinary Research, 2002, 63, 927-933.	0.6	55

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19	Ibero-American Consensus on Low- and No-Calorie Sweeteners: Safety, Nutritional Aspects and Benefits in Food and Beverages. <i>Nutrients</i> , 2018, 10, 818.	4.1	49
20	Palm Oil on the Edge. <i>Nutrients</i> , 2019, 11, 2008.	4.1	49
21	Mitochondria as an important target of metformin: The mechanism of action, toxic and side effects, and new therapeutic applications. <i>Pharmacological Research</i> , 2022, 177, 106114.	7.1	48
22	Pyrethroid insecticide lambda-cyhalothrin induces hepatic cytochrome P450 enzymes, oxidative stress and apoptosis in rats. <i>Science of the Total Environment</i> , 2018, 631-632, 1371-1382.	8.0	46
23	Acute Oral Safety Study of Rosemary Extracts in Rats. <i>Journal of Food Protection</i> , 2008, 71, 790-795.	1.7	43
24	Oxidative stress and gene expression profiling of cell death pathways in alpha-cypermethrin-treated SH-SY5Y cells. <i>Archives of Toxicology</i> , 2017, 91, 2151-2164.	4.2	42
25	The role of <i>in vitro</i> methods as alternatives to animals in toxicity testing. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014, 10, 67-79.	3.3	41
26	A novel strategy for the diagnosis, prognosis, treatment, and chemoresistance of hepatocellular carcinoma: DNA methylation. <i>Medicinal Research Reviews</i> , 2020, 40, 1973-2018.	10.5	40
27	Assessment of the <i>in vitro</i> γH2AX assay by High Content Screening as a novel genotoxicity test. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 757, 158-166.	1.7	38
28	5-HT loss in rat brain by type II pyrethroid insecticides. <i>Toxicology and Industrial Health</i> , 2003, 19, 147-155.	1.4	37
29	The critical role of oxidative stress in the toxicity and metabolism of quinoxaline 1,4-di-N-oxides <i>in vitro</i> and <i>in vivo</i> . <i>Drug Metabolism Reviews</i> , 2016, 48, 159-182.	3.6	36
30	Environmental impact assessment of COVID-19 therapeutic solutions. A prospective analysis. <i>Science of the Total Environment</i> , 2021, 778, 146257.	8.0	35
31	Oxidative Stress and Metabolism: A Mechanistic Insight for Glyphosate Toxicology. <i>Annual Review of Pharmacology and Toxicology</i> , 2022, 62, 617-639.	9.4	34
32	Beauvericin: The beauty and the beast. <i>Environmental Toxicology and Pharmacology</i> , 2020, 75, 103349.	4.0	30
33	Acute oral safety study of dairy fat rich in trans-10 C18:1 versus vaccenic plus conjugated linoleic acid in rats. <i>Food and Chemical Toxicology</i> , 2010, 48, 591-598.	3.6	26
34	Toxicologic evidence of developmental neurotoxicity of Type II pyrethroids cyfluthrin and alpha-cypermethrin in SH-SY5Y cells. <i>Food and Chemical Toxicology</i> , 2020, 137, 111173.	3.6	26
35	The role of long noncoding RNA in lipid, cholesterol, and glucose metabolism and treatment of obesity syndrome. <i>Medicinal Research Reviews</i> , 2021, 41, 1751-1774.	10.5	26
36	Bioavailability and nervous tissue distribution of pyrethroid insecticide cyfluthrin in rats. <i>Food and Chemical Toxicology</i> , 2018, 118, 220-226.	3.6	25

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37	Neonicotinoids: mechanisms of systemic toxicity based on oxidative stress-mitochondrial damage. Archives of Toxicology, 2022, 96, 1493-1520.	4.2	25
38	Prebiotics and Probiotics. , 2016, , 3-23.		24
39	Toxicity induced by ciprofloxacin and enrofloxacin: oxidative stress and metabolism. Critical Reviews in Toxicology, 2021, 51, 754-787.	3.9	24
40	Oxidative stress and related gene expression effects of cyfluthrin in human neuroblastoma SH-SY5Y cells: Protective effect of melatonin. Environmental Research, 2019, 177, 108579.	7.5	23
41	Cannabis, Cannabidiol Oils and Tetrahydrocannabinolâ€”What Do Veterinarians Need to Know?. Animals, 2021, 11, 892.	2.3	22
42	Comparative Hazard Assessment of the Substances Used for Production and Control of Coca and Poppy in Colombia. ACS Symposium Series, 2007, , 87-99.	0.5	21
43	Neurotoxicity of Neonicotinoids. Advances in Neurotoxicology, 2020, 4, 167-207.	1.9	21
44	Plasma disposition and tissue depletion of difloxacin and its metabolite sarafloxacin in the food producing animals, chickens for fattening. Food and Chemical Toxicology, 2011, 49, 441-449.	3.6	20
45	Plasma disposition and tissue depletion of chlortetracycline in the food producing animals, chickens for fattening. Food and Chemical Toxicology, 2012, 50, 2714-2721.	3.6	20
46	Optimization of florfenicol dose against Piscirickettsia salmonis in Salmo salar through PK/PD studies. PLoS ONE, 2019, 14, e0215174.	2.5	19
47	Fipronil. , 2018, , 533-538.		17
48	A 4-Week Repeated Oral Dose Toxicity Study of Dairy Fat Naturally Enriched in Vaccenic, Rumenic and Î±-Linolenic Acids in Rats. Journal of Agricultural and Food Chemistry, 2011, 59, 8036-8046.	5.2	15
49	Characterisation of an aerosol exposure system to evaluate the genotoxicity of whole mainstream cigarette smoke using the in vitro Î³H2AX assay by high content screening. BMC Pharmacology & Toxicology, 2014, 15, 41.	2.4	15
50	Genotoxicity evaluation of individual cigarette smoke toxicants using the in vitro Î³H2AX assay by High Content Screening. Toxicology Letters, 2013, 223, 81-87.	0.8	14
51	Tissue depletion study of enrofloxacin and its metabolite ciprofloxacin in broiler chickens after oral administration of a new veterinary pharmaceutical formulation containing enrofloxacin. Food and Chemical Toxicology, 2017, 105, 8-13.	3.6	14
52	Prebiotics and Probiotics in Feed and Animal Health. , 2019, , 261-285.		14
53	Brown marine algae Gongolaria baccata extract protects Caco-2 cells from oxidative stress induced by tert-butyl hydroperoxide. Food and Chemical Toxicology, 2021, 156, 112460.	3.6	12
54	Prebiotics. , 2016, , 757-775.		11

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55	Pyrethrins and Synthetic Pyrethroids: Use in Veterinary Medicine. , 2013, , 4061-4086.		10
56	A proposed "esteric-like effect" for the slowdown of enrofloxacin antibiotic metabolism by ciprofloxacin, and its mechanism. Chemosphere, 2021, 284, 131347.	8.2	10
57	Assessment of Prebiotics and Probiotics. , 2010, , 19-41.		8
58	Fipronil. , 2012, , 604-608.		8
59	Oral Absorption and Disposition of alpha-Linolenic, Rumenic and Vaccenic Acids After Administration as a Naturally Enriched Goat Dairy Fat to Rats. Lipids, 2015, 50, 659-666.	1.7	8
60	Targeting peroxisome proliferator-activated receptors: A new strategy for the treatment of cardiac fibrosis. , 2021, 219, 107702.		8
61	Transfer of drugs and xenobiotics through milk. , 2011, , 57-71.		7
62	Regulatory aspects for the drugs and chemicals used in food-producing animals in the European Union. , 2012, , 135-155.		7
63	Chemical Weapons of Mass Destruction and Terrorism. , 2015, , 55-65.		7
64	Perspectives in Veterinary Pharmacology and Toxicology. Frontiers in Veterinary Science, 2016, 3, 82.	2.2	7
65	Drugs and Chemical Contaminants in Human Breast Milk. , 2017, , 67-98.		7
66	Probiotics: safety and toxicity considerations. , 2021, , 1081-1105.		7
67	Interactions between Nutraceuticals/Nutrients and Therapeutic Drugs. , 2016, , 855-874.		6
68	Regulatory Aspects for the Drugs and Chemicals Used in Food-Producing Animals in the European Union. , 2018, , 103-131.		6
69	Epigenetic upregulation of galanin-like peptide mediates deoxynivalenol induced-growth inhibition in pituitary cells. Toxicology and Applied Pharmacology, 2020, 403, 115166.	2.8	6
70	Neurotoxicological effects of the herbicide glyphosate. Toxicology Letters, 2008, 180, S164.	0.8	5
71	Poisonous plants of Europe. , 2012, , 1080-1094.		5
72	Biomarkers in drug safety evaluation. , 2014, , 923-945.		5

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73	Acute and repeated dose (28 days) oral safety studies of phosphatidyl-hydroxytyrosol. Food and Chemical Toxicology, 2018, 120, 462-471.	3.6	5
74	Enzymes in Feed and Animal Health. , 2019, , 303-313.		5
75	Biomarkers of Drug Toxicity and Safety Evaluation. , 2019, , 655-691.		5
76	The effects of combined intravenous cocaine and ethanol self-administration on the behavioral and amino acid profile of young adult rats. PLoS ONE, 2020, 15, e0227044.	2.5	5
77	Interactions between nutraceuticals/nutrients and nutrients and therapeutic drugs. , 2021, , 1175-1197.		5
78	Nicotinamide N-methyltransferase protects against deoxynivalenol-induced growth inhibition by suppressing pro-inflammatory cytokine expression. Food and Chemical Toxicology, 2022, 163, 112969.	3.6	5
79	Biomarkers of drug toxicity. , 2014, , 593-607.		4
80	Interaction Between Florfenicol and Doxycycline Involving Cytochrome P450 3A in Goats (Capra Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	2.2	4
81	Risk assessment of coccidiostats after cross-contamination of feed: Implications for animal and human health. Toxicology Letters, 2008, 180, S61.	0.8	3
82	Induction of cytochrome P450-dependent mixed function oxidase activities and peroxisome proliferation by chloramine-T in male rat liver. Food and Chemical Toxicology, 2017, 106, 86-91.	3.6	3
83	Poisonous Plants of the Europe. , 2018, , 891-909.		3
84	Tissue residue depletion of moxidectin in lambs (Ovis aries) following subcutaneous administration. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 1278-1285.	2.3	3
85	Pharmacokinetics, Pharmacodynamic Efficacy Prediction Indexes and Monte Carlo Simulations of Enrofloxacin Hydrochloride Against Bacterial Strains That Induce Common Clinical Diseases in Broiler Chickens. Frontiers in Veterinary Science, 2020, 7, 606872.	2.2	3
86	Regulation and Guidelines of Probiotics and Prebiotics. , 2013, , 91-113.		3
87	Les rÃ©sidus de substances chimiques dans les aliments d'origine animale en Espagne. Bulletin De L'Academie Veterinaire De France, 1990, 143, 245.	0.0	2
88	Les fluoroquinolones : aspects pharmacologiques et toxicologiques. Bulletin De L'Academie Veterinaire De France, 1992, 145, 207.	0.0	2
89	Onchidal and Fasciculins. , 2009, , 143-152.		2
90	Absorption Kinetics of the Main Conjugated Linoleic Acid Isomers in Commercial-Rich Oil after Oral Administration in Rats. Journal of Agricultural and Food Chemistry, 2017, 65, 7680-7686.	5.2	2

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91	Oral Bioavailability and Plasma Disposition of Pefloxacin in Healthy Broiler Chickens. <i>Frontiers in Veterinary Science</i> , 2017, 4, 77.	2.2	2
92	Development and validation of an analytical method for the determination of 17 $\beta$ -estradiol residues in muscle of tambaqui ( <i>Colossoma macropomum</i> Cuvier, 1818) by LC-MS/MS and its application in samples from a fish sexual reversion study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1128, 121774.	2.3	2
93	Chemical weapons of mass destruction and terrorism: a threat analysis. , 2020, , 79-94.		2
94	Evaluation and regulation of food supplements: European perspective. , 2021, , 1241-1271.		2
95	MS4A3-HSP27 target pathway reveals potential for haematopoietic disorder treatment in alimentary toxic aleukia. <i>Cell Biology and Toxicology</i> , 2021, , 1.	5.3	2
96	Depletion of oxytetracycline plus epi-oxytetracycline residues in rainbow trout ( <i>Oncorhynchus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 737154.	3.5	2
97	Cigarette and E-cigarettes smoking and reproductive and developmental toxicity. , 2022, , 395-420.		2
98	Onchidal and Fasciculins. , 2015, , 411-420.		1
99	Evaluation and Regulation of Food Supplements. , 2016, , 895-923.		1
100	Nutraceuticals Used as Antibacterial Alternatives in Animal Health and Disease. , 2019, , 315-343.		1
101	Protective effects of culture extracts (CB08035-SCA and CB08035-SYP) from <i>Marinobacter hydrocarbonoclasticus</i> (strain CB08035) against oxidant-induced stress in human colon carcinoma Caco-2 cells. <i>Food and Chemical Toxicology</i> , 2020, 145, 111671.	3.6	1
102	Onchidal and fasciculins. , 2020, , 455-466.		1
103	A Janus-face of the RASSF4 signal in cell fate. <i>Journal of Cellular Physiology</i> , 2022, 237, 466-479.	4.1	1
104	Melatonin: a safe nutraceutical and clinical agent. , 2021, , 537-553.		1
105	The NO-dependent caspase signaling pathway is a target of deoxynivalenol in growth inhibition in vitro. <i>Food and Chemical Toxicology</i> , 2021, 158, 112629.	3.6	1
106	Disposition of pyrethroids in the rat central nervous system. <i>Toxicology Letters</i> , 2008, 180, S93.	0.8	0
107	Highlights of the XII International Congress on Toxicology, 19 <sup>th</sup> - 23 July 2010, Barcelona, Spain. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010, 6, 1445-1450.	3.3	0
108	The food contaminants aflatoxin B1, fumonisin B1, ocratoxina, T-2 toxin and deoxynivalenol decrease intestinal barrier permeability in human Caco-2 cells. Protector role of clay additives. <i>Toxicology Letters</i> , 2014, 229, S170.	0.8	0

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109	In vitro relative potency of Type II pyrethroids and mixture dose-effects on oxidative stress cytotoxicity in SH-SY5Y, HepG2 and Caco-2 human cell lines. Toxicology Letters, 2014, 229, S45.	0.8	0
110	Association between pyrethroid exposure and neurodegenerative disorders. Toxicology Letters, 2017, 280, S148.	0.8	0
111	Ciguatera toxins: toxicity and food safety. , 2021, , 579-599.		0
112	Prebiotics: safety and toxicity considerations. , 2021, , 1061-1080.		0
113	Statins, toxicity, and their adverse effects via oxidative imbalance. , 2021, , 263-280.		0
114	Food Toxicology. , 2021, , 243-266.		0
115	Drugs and chemical contaminants in human breast milk. , 2022, , 1019-1052.		0