

Ángel J Alonso-Castro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8454941/publications.pdf>

Version: 2024-02-01

111
papers

2,262
citations

257101

24
h-index

264894

42
g-index

111
all docs

111
docs citations

111
times ranked

3083
citing authors

#	ARTICLE	IF	CITATIONS
1	Mexican medicinal plants used for cancer treatment: Pharmacological, phytochemical and ethnobotanical studies. <i>Journal of Ethnopharmacology</i> , 2011, 133, 945-972.	2.0	228
2	Rutin Exerts Antitumor Effects on Nude Mice Bearing SW480 Tumor. <i>Archives of Medical Research</i> , 2013, 44, 346-351.	1.5	101
3	Ethnobotany of medicinal plants used in Xalpatlahuac, Guerrero, México. <i>Journal of Ethnopharmacology</i> , 2013, 148, 521-527.	2.0	97
4	<i>Cecropia obtusifolia</i> Bertol and its active compound, chlorogenic acid, stimulate 2-NBDglucose uptake in both insulin-sensitive and insulin-resistant 3T3 adipocytes. <i>Journal of Ethnopharmacology</i> , 2008, 120, 458-464.	2.0	91
5	Accumulation and Distribution of Heavy Metals in <i>Scirpus americanus</i> and <i>Typha latifolia</i> from an Artificial Lagoon in San Luis Potosí, México. <i>Water, Air, and Soil Pollution</i> , 2008, 188, 297-309.	1.1	88
6	Medicinal plants used in the Huasteca Potosina, México. <i>Journal of Ethnopharmacology</i> , 2012, 143, 292-298.	2.0	75
7	Physiological and biochemical response of plants to engineered NMs: Implications on future design. <i>Plant Physiology and Biochemistry</i> , 2017, 110, 226-235.	2.8	69
8	Use of medicinal plants by health professionals in Mexico. <i>Journal of Ethnopharmacology</i> , 2017, 198, 81-86.	2.0	60
9	The anti-diabetic properties of <i>Guazuma ulmifolia</i> Lam are mediated by the stimulation of glucose uptake in normal and diabetic adipocytes without inducing adipogenesis. <i>Journal of Ethnopharmacology</i> , 2008, 118, 252-256.	2.0	59
10	<i>Magnolia dealbata</i> Zucc and its active principles honokiol and magnolol stimulate glucose uptake in murine and human adipocytes using the insulin-signaling pathway. <i>Phytomedicine</i> , 2011, 18, 926-933.	2.3	57
11	The antidiabetic plants <i>Tecoma stans</i> (L.) Juss. ex Kunth (Bignoniaceae) and <i>Teucrium cubense</i> Jacq (Lamiaceae) induce the incorporation of glucose in insulin-sensitive and insulin-resistant murine and human adipocytes. <i>Journal of Ethnopharmacology</i> , 2010, 127, 1-6.	2.0	48
12	Kaempferitrin induces apoptosis via intrinsic pathway in HeLa cells and exerts antitumor effects. <i>Journal of Ethnopharmacology</i> , 2013, 145, 476-489.	2.0	48
13	Use of medicinal fauna in Mexican traditional medicine. <i>Journal of Ethnopharmacology</i> , 2014, 152, 53-70.	2.0	47
14	Antitumor and immunomodulatory effects of <i>Justicia spicigera</i> Schltidl (Acanthaceae). <i>Journal of Ethnopharmacology</i> , 2012, 141, 888-894.	2.0	45
15	Plants used in the traditional medicine of Mesoamerica (Mexico and Central America) and the Caribbean for the treatment of obesity. <i>Journal of Ethnopharmacology</i> , 2015, 175, 335-345.	2.0	41
16	Practical, mild and efficient electrophilic bromination of phenols by a new I(III)-based reagent: the PIDA-AlBr ₃ system. <i>RSC Advances</i> , 2018, 8, 17806-17812.	1.7	40
17	Antitumor effect of <i>Croton lechleri</i> Mull. Arg. (Euphorbiaceae). <i>Journal of Ethnopharmacology</i> , 2012, 140, 438-442.	2.0	38
18	Kaempferitrin induces immunostimulatory effects in vitro. <i>Journal of Ethnopharmacology</i> , 2013, 148, 337-340.	2.0	38

#	ARTICLE	IF	CITATIONS
19	Isoorientin Reverts TNF- α -Induced Insulin Resistance in Adipocytes Activating the Insulin Signaling Pathway. <i>Endocrinology</i> , 2012, 153, 5222-5230.	1.4	37
20	Folk medicinal use of fauna in Mapimi, Durango, M \acute{a} xico. <i>Journal of Ethnopharmacology</i> , 2011, 133, 902-906.	2.0	36
21	In Situ Formed I ^{III} -Based Reagent for the Electrophilic <i>ortho</i> -Chlorination of Phenols and Phenol Ethers: The Use of PIFA AlCl_3 System. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 485-493.	1.2	35
22	Antidiabetic effects of <i>Justicia spicigera</i> Schldl (Acanthaceae). <i>Journal of Ethnopharmacology</i> , 2012, 143, 455-462.	2.0	33
23	Use of standardized units for a correct interpretation of IC ₅₀ values obtained from the inhibition of the DPPH radical by natural antioxidants. <i>Chemical Papers</i> , 2020, 74, 3325-3334.	1.0	33
24	Medicinal Plants from North and Central America and the Caribbean Considered Toxic for Humans: The Other Side of the Coin. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-28.	0.5	28
25	Removal and Accumulation of Cadmium and Lead by <i>Typha latifolia</i> Exposed to Single and Mixed Metal Solutions. <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 57, 688-696.	2.1	27
26	Self-medication practice in pregnant women from central Mexico. <i>Saudi Pharmaceutical Journal</i> , 2018, 26, 886-890.	1.2	27
27	<i>Ibervillea sonorae</i> (Cucurbitaceae) induces the glucose uptake in human adipocytes by activating a PI3K-independent pathway. <i>Journal of Ethnopharmacology</i> , 2014, 152, 546-552.	2.0	25
28	Zootherapeutic practices in Aquism \acute{a} n, San Luis Potos \acute{a} , M \acute{a} xico. <i>Journal of Ethnopharmacology</i> , 2011, 138, 233-237.	2.0	23
29	The endemic orchids of Mexico: a review. <i>Biologia (Poland)</i> , 2019, 74, 1-13.	0.8	23
30	Antimicrobial and Cytotoxic Effects of Mexican Medicinal Plants. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.2	22
31	Protecting-Group-Free Total Synthesis and Biological Evaluation of 3-Methylkealiquinone and Structural Analogues. <i>Journal of Organic Chemistry</i> , 2018, 83, 10627-10635.	1.7	22
32	Self-treatment with herbal products for weight-loss among overweight and obese subjects from central Mexico. <i>Journal of Ethnopharmacology</i> , 2019, 234, 21-26.	2.0	20
33	Antinociceptive Activity of an Ethanol Extract of <i>Justicia spicigera</i> . <i>Drug Development Research</i> , 2016, 77, 180-186.	1.4	19
34	Antimicrobial activity and cytotoxic effects of <i>Magnolia dealbata</i> and its active compounds. <i>Natural Product Communications</i> , 2011, 6, 1121-4.	0.2	19
35	Cytotoxic activity of the chloroform extract and four diterpenes isolated from <i>Salvia ballotiflora</i> . <i>Revista Brasileira De Farmacognosia</i> , 2017, 27, 302-305.	0.6	18
36	Total synthesis of kealiquinone: the regio-controlled strategy for accessing its 1-methyl-4-arylbenzimidazolone core. <i>RSC Advances</i> , 2018, 8, 30761-30776.	1.7	18

#	ARTICLE	IF	CITATIONS
37	Iodine(<sc>iii</sc>) reagents for oxidative aromatic halogenation. Organic and Biomolecular Chemistry, 2022, 20, 5009-5034.	1.5	18
38	The antitumoral effect of the American mistletoe Phoradendron serotinum (Raf.) M.C. Johnst. (Viscaceae) is associated with the release of immunity-related cytokines. Journal of Ethnopharmacology, 2012, 142, 857-864.	2.0	17
39	Toxicological Screening of Four Bioactive Citroflavonoids: In Vitro, In Vivo, and In Silico Approaches. Molecules, 2020, 25, 5959.	1.7	17
40	Antimicrobial and cytotoxic effects of Mexican medicinal plants. Natural Product Communications, 2011, 6, 1925-8.	0.2	17
41	Biological effects of aqueous extract from Turkey vulture Cathartes aura (Cathartidae) meat. Journal of Ethnopharmacology, 2013, 145, 663-666.	2.0	16
42	Pharmacological and toxicological study of a chemical-standardized ethanol extract of the branches and leaves from Eysenhardtia polystachya (Ortega) Sarg. (Fabaceae). Journal of Ethnopharmacology, 2018, 224, 314-322.	2.0	16
43	Toxicity and antinociceptive effects of Hamelia patens. Revista Brasileira De Farmacognosia, 2015, 25, 170-176.	0.6	15
44	Pharmacological effects and toxicity of Costus pulverulentus C. Presl (Costaceae). Journal of Ethnopharmacology, 2016, 180, 124-130.	2.0	15
45	Neuropharmacological effects of <sc>d</sc> ð-pinitol and its possible mechanisms of action. Journal of Food Biochemistry, 2019, 43, e13070.	1.2	15
46	Antimicrobial Activity and Cytotoxic Effects of <i>Magnolia dealbata</i> and its Active Compounds. Natural Product Communications, 2011, 6, 1934578X1100600.	0.2	14
47	Anti-inflammatory and antinociceptive effects of tilifodiolide, isolated from <i>Salvia tiliifolia</i> Vahl (Lamiaceae). Drug Development Research, 2018, 79, 165-172.	1.4	12
48	Diuretic activity and neuropharmacological effects of an ethanol extract from Senna septemtrionalis (Viv.) H.S. Irwin & Barneby (Fabaceae). Journal of Ethnopharmacology, 2019, 239, 111923.	2.0	12
49	Total synthesis of the linear and angular 3-methylated regioisomers of the marine natural product Kealiiquinone and biological evaluation of related Leucetta sp. alkaloids on human breast cancer. Medicinal Chemistry Research, 2019, 28, 473-484.	1.1	12
50	Analgesic Efficacy of Etoricoxib following Third Molar Surgery: A Meta-analysis. Behavioural Neurology, 2021, 2021, 1-10.	1.1	12
51	Myristic acid reduces skin inflammation and nociception. Journal of Food Biochemistry, 2022, 46, e14013.	1.2	12
52	<i>Magnolia dealbata</i> seeds extract exert cytotoxic and chemopreventive effects on MDA-MB231 breast cancer cells. Pharmaceutical Biology, 2014, 52, 621-627.	1.3	11
53	Medicinal Plants from Mexico, Central America, and the Caribbean Used as Immunostimulants. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-15.	0.5	11
54	Antinociceptive Activity of Entâ€Dihydrotucumanoic Acid Isolated from <i>Gymnosperma glutinosum</i> Spreng Less. Drug Development Research, 2017, 78, 340-348.	1.4	11

#	ARTICLE	IF	CITATIONS
55	Infection, Alveolar Osteitis, and Adverse Effects Using Metronidazole in Healthy Patients Undergoing Third Molar Surgery: A Meta-analysis. <i>Journal of Maxillofacial and Oral Surgery</i> , 2018, 17, 142-149.	0.6	11
56	Evaluation of the neuropharmacological effects of Gardenin A in mice. <i>Drug Development Research</i> , 2020, 81, 600-608.	1.4	11
57	Antinociceptive and anti-inflammatory effects of <i>Cuphea aequipetala</i> Cav (Lythraceae). <i>Inflammopharmacology</i> , 2021, 29, 295-306.	1.9	11
58	Self-treatment and adverse reactions with herbal products for treating symptoms associated with anxiety and depression in adults from the central-western region of Mexico during the Covid-19 pandemic. <i>Journal of Ethnopharmacology</i> , 2021, 272, 113952.	2.0	11
59	Synergism between Naproxen and Rutin in a Mouse Model of Visceral Pain. <i>Drug Development Research</i> , 2017, 78, 184-188.	1.4	10
60	Pharmacological activities of <i>Asclepias curassavica</i> L. (Apocynaceae) aerial parts. <i>Journal of Ethnopharmacology</i> , 2021, 281, 114554.	2.0	10
61	Removal and Accumulation of As, Cd and Cr by <i>Typha latifolia</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 90, 650-653.	1.3	9
62	SerpinA3g participates in the antiadipogenesis and insulin-resistance induced by tumor necrosis factor- α in 3T3-F442A cells. <i>Cytokine</i> , 2014, 69, 180-188.	1.4	8
63	Synthesis, antinociceptive and anti-inflammatory effects of porphyrins. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2529-2537.	1.4	8
64	The antinociceptive effects of a standardized ethanol extract of the <i>Bidens odorata</i> Cav (Asteraceae) leaves are mediated by ATP-sensitive K ⁺ channels. <i>Journal of Ethnopharmacology</i> , 2017, 207, 30-33.	2.0	8
65	The Antinociceptive Effect of a Tapentadol-Ketorolac Combination in a Mouse Model of Trigeminal Pain is Mediated by Opioid Receptors and ATP-sensitive K ⁺ Channels. <i>Drug Development Research</i> , 2017, 78, 63-70.	1.4	8
66	Pharmacological Control of Complications Following to Third Molar Removal: Evidence Based on A Meta-Analysis. <i>Drug Research</i> , 2019, 69, 5-11.	0.7	8
67	Anti-inflammatory and antinociceptive effects of an ethanol extract from <i>Senna septemtrionalis</i> . <i>Inflammopharmacology</i> , 2020, 28, 541-549.	1.9	8
68	Antinociceptive and anti-arthritic effects of kramecyne. <i>Life Sciences</i> , 2015, 121, 70-77.	2.0	7
69	Isobolographic Analysis of the Interaction Between Tapentadol and Ketorolac in a Mouse Model of Visceral Pain. <i>Drug Development Research</i> , 2016, 77, 187-191.	1.4	7
70	Participation of ATP-sensitive K ⁺ channels and μ -opioid receptors in the antinociceptive synergism of the paracetamol-tapentadol co-administration in the formalin-induced pain assay in mice. <i>Drug Development Research</i> , 2018, 79, 400-405.	1.4	7
71	Enantioselective synthesis of tetrahydrocarbazoles via trienamine catalysis and their anxiolytic-like activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127063.	1.0	7
72	Biotechnological approaches for conservation of medicinal plants. , 2021, , 35-58.		7

#	ARTICLE	IF	CITATIONS
73	Analgesic effectiveness and safety of celecoxib versus non-opioid active controls after third molar surgery: A meta-analytical evaluation. <i>Journal of Stomatology, Oral and Maxillofacial Surgery</i> , 2022, 123, e1-e9.	0.5	7
74	Antinociceptive, anti-inflammatory, and central nervous system (CNS) effects of the natural coumarin soulattrolide. <i>Drug Development Research</i> , 2018, 79, 332-338.	1.4	6
75	Association of the 3'UTR polymorphism (rs11665896) in the FGF21 gene with metabolic status and nutrient intake in children with obesity. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2019, 32, 921-928.	0.4	6
76	A Meta-Analysis of the Analgesic Efficacy of Single-Doses of Ibuprofen Compared to Traditional Non-Opioid Analgesics Following Third Molar Surgery. <i>Pharmaceuticals</i> , 2021, 14, 360.	1.7	6
77	Anti-inflammatory and antitumor activities of the chloroform extract and anti-inflammatory effect of the three diterpenes isolated from <i>Salvia ballotiflora</i> Benth. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 17.	1.2	6
78	In vitro and In vivo Synergistic Interactions of the Flavonoid Rutin with Paracetamol and with Non-Steroidal Anti-Inflammatory Drugs. <i>Archives of Medical Research</i> , 2021, 52, 611-619.	1.5	5
79	Anti-Inflammatory and Antinociceptive Activities of the Essential Oil of <i>Tagetes parryi</i> A. Gray (Asteraceae) and Verbenone. <i>Molecules</i> , 2022, 27, 2612.	1.7	5
80	Maturin acetate from <i>Psacalium peltatum</i> (Kunth) Cass. (Asteraceae) induces immunostimulatory effects in vitro and in vivo. <i>Toxicology in Vitro</i> , 2013, 27, 1001-1006.	1.1	4
81	Mexican Traditional Medicine: Traditions of Yesterday and Phytomedicines of Tomorrow. , 2015, , 1-37.		4
82	Pharmacological evaluation of 2-angeloyl dihydro-tucumanoic acid. <i>Pharmaceutical Biology</i> , 2017, 55, 873-879.	1.3	4
83	Assessment of the antinociceptive and ulcerogenic activity of the tapentadol-diclofenac combination in rodents. <i>Drug Development Research</i> , 2018, 79, 38-44.	1.4	4
84	Validated and rapid measurement of the ferric reducing antioxidant power in plasma samples. <i>Chemical Papers</i> , 2018, 72, 2561-2574.	1.0	4
85	Central nervous system evaluation of an ethanol extract of <i>Bidens odorata</i> Cav (Asteraceae) leaves, and its antinociceptive interaction with paracetamol and naproxen. <i>Inflammopharmacology</i> , 2020, 28, 749-757.	1.9	4
86	Antinociception and less gastric injury with the dexketoprofen-tapentadol combination in mice. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 371-378.	1.0	4
87	A meta-analysis on the efficacy of the ropivacaine infiltration in comparison with other dental anesthetics. <i>Clinical Oral Investigations</i> , 2021, 25, 6779-6790.	1.4	4
88	Postoperative administration of ketorolac compared to other drugs for pain control after third molar surgery: A meta-analysis of double-blind, randomized, clinical trials. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 2591-2604.	1.1	4
89	Effects of Kramecyne on LPS Induced Chronic Inflammation and Gastric Ulcers. <i>Drug Development Research</i> , 2015, 76, 185-193.	1.4	3
90	Matrix effect evaluation and validation of the 2,2'-azino-bis (3-ethylbenzothiazoline-6-sulfonic acid) radical cation scavenging assay, as well as its application using a tejate, an ancient beverage in Mexico. <i>Chemical Papers</i> , 2019, 73, 2767-2781.	1.0	3

#	ARTICLE	IF	CITATIONS
91	Antidiarrheal, vasorelaxant, and neuropharmacological actions of the diterpene tilifodiolide. Drug Development Research, 2019, 80, 981-991.	1.4	3
92	Anti-inflammatory and diuretic effects of the diterpene ent-dihydrotucumanoic acid. Drug Development Research, 2019, 80, 800-806.	1.4	3
93	In vitro and in vivo anti-inflammatory effects of an ethanol extract from the aerial parts of <i>Eryngium carlinae</i> F. Delaroche (Apiaceae). Journal of Ethnopharmacology, 2021, 266, 113406.	2.0	3
94	Use of herbal medicine for diabetes mellitus in adults from the central-western region of Mexico. Primary Care Diabetes, 2021, 15, 1095-1099.	0.9	3
95	Hydrocortisone release from tablets based on bioresorbable poly(ether-ester-urethane)s. Brazilian Journal of Pharmaceutical Sciences, 2017, 53, .	1.2	2
96	Chemical characterization, pharmacological effects, and toxicity of an ethanol extract of <i>Celtis pallida</i> Torr. (Cannabaceae) aerial parts. Journal of Ethnopharmacology, 2018, 219, 126-132.	2.0	2
97	Terpenes of the Genus <i>Salvia</i> : Cytotoxicity and Antitumoral Effects. , 2018, , 163-205.		2
98	Credibility of In Situ Phytoremediation for Restoration of Disturbed Environments. , 2020, , 233-256.		2
99	Phytoremediation Technology: Sustainable Solution for Cleaning Up of Recalcitrant Pollutants from Disturbed Environs. , 2020, , 245-268.		2
100	FGF21 and its Relationship with Inflammatory and Metabolic Parameters in HIV Patients after Antiretroviral Treatment. Current HIV Research, 2020, 18, 308-314.	0.2	2
101	Micropropagation of <i>Catasetum integerrimum</i> Hook (Orchidaceae) through seed germination and direct shoot regeneration from pseudobulbs and roots. In Vitro Cellular and Developmental Biology - Plant, 0, , 1.	0.9	2
102	Dexamethasone Increases the Anesthetic Success in Patients with Symptomatic Irreversible Pulpitis: A Meta-Analysis. Pharmaceuticals, 2022, 15, 878.	1.7	2
103	Immunization with Human Papillomavirus 16 L1+E2 Chimeric Capsomers Elicits Cellular Immune Response and Antitumor Activity in a Mouse Model. Viral Immunology, 2016, 29, 276-287.	0.6	1
104	Discovery of new effective N-alkyl-3,4-diarylmaleimides-based drugs for reversing the bacterial resistance to rhodamine 6G in <i>Bacillus subtilis</i> . Chemical Papers, 2020, 74, 1429-1438.	1.0	1
105	Anti-inflammatory, antinociceptive, and cytotoxic activity of methanolic extract of <i>Mansoa hymenaea</i> (DC.) A.H. Gentry. Botany Letters, 2021, 168, 110-119.	0.7	1
106	Bioactive compounds obtained from plants, their pharmacological applications and encapsulation. , 2021, , 181-205.		1
107	Synthesis of novel pyrroloazepinones by Schmidt expansions of 6-indolones. Arkivoc, 2020, 2020, 262-275.	0.3	1
108	Antinociceptive effects of <i>Laelia anceps</i> Lindl. and <i>Cyrtopodium macrobulbon</i> (Lex.) G.A. Romero & Carnevali, and comparative evaluation of their metabolomic profiles. Journal of Ethnopharmacology, 2022, 291, 115172.	2.0	1

#	ARTICLE	IF	CITATIONS
109	Efficacy of Methylprednisolone Compared to Other Drugs for Pain, Swelling, and Trismus Control after Third Molar Surgery: A Meta-Analysis. Healthcare (Switzerland), 2022, 10, 1028.	1.0	1
110	Synthesis and evaluation of antinociceptive and anti-inflammatory effects of nitro-porphyrins. Medicinal Chemistry Research, 2018, 27, 1782-1791.	1.1	0
111	Calidad del agua de los manantiales del humedal natural "Ciñena" de Tamasopo en San Luis Potosí, México. Tecnología Y Ciencias Del Agua, 2021, 12, 01-25.	0.1	0