## Samuel Estrada-Soto

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	6-Amino-3-Methyl-4-(2-nitrophenyl)-1,4-Dihydropyrano[2,3-c]Pyrazole-5-Carbonitrile Shows Antihypertensive and Vasorelaxant Action via Calcium Channel Blockade. Drug Research, 2022, 72, 53-60.	0.7	2
2	PPARα/γ, adiponectin, and GLUT4 overexpression induced by moronic acid methyl ester influenced glucose and triglyceride levels of experimental diabetic mice. Canadian Journal of Physiology and Pharmacology, 2022, 100, 295-305.	0.7	2
3	Synthesis, In Vitro, In Vivo and In Silico Antidiabetic Bioassays of 4-Nitro(thio)phenoxyisobutyric Acids Acting as Unexpected PPARγ Modulators: An In Combo Study. Pharmaceuticals, 2022, 15, 102.	1.7	4
4	Synthesis, in vitro, in silico and in vivo hypoglycemic and lipid-lowering effects of 4-benzyloxy-5-benzylidene-1,3-thiazolidine-2,4-diones mediated by dual PPAR α/γ modulation. Bioorganic and Medicinal Chemistry Letters, 2022, 70, 128804.	1.0	7
5	Enhancing the antidiabetic and antidyslipidemic activity of a 1,5-diarylpyrazole by solid dispersion pre-formulation. Chemical Papers, 2022, 76, 5551-5560.	1.0	1
6	Antinociceptive and gastroprotective activities of Bocconia arborea S. Watson and its bioactive metabolite dihydrosanguinarine in murine models. Journal of Ethnopharmacology, 2022, 296, 115492.	2.0	2
7	Vasorelaxant and Antihypertensive Effects of (3β)-ursen-12-en-3,28-diol by NO/cGMP System. Letters in Drug Design and Discovery, 2022, 19, .	0.4	0
8	Antihypertensive and vasorelaxant mode of action of the ethanol-soluble extract from Tagetes lucida Cav. aerial parts and its main bioactive metabolites. Journal of Ethnopharmacology, 2021, 266, 113399.	2.0	8
9	Antihypertensive and vasorelaxant effect of leucodin and achillin isolated from Achillea millefolium through calcium channel blockade and NO production: In vivo, functional ex vivo and in silico studies. Journal of Ethnopharmacology, 2021, 273, 113948.	2.0	10
10	Antidiabetic effect of Cordia morelosana, chemical and pharmacological studies. Journal of Ethnopharmacology, 2020, 251, 112543.	2.0	9
11	Oleanolic acid induces a dual agonist action on PPARγ∫α and GLUT4 translocation: A pentacyclic triterpene for dyslipidemia and type 2 diabetes. European Journal of Pharmacology, 2020, 883, 173252.	1.7	30
12	Tracheal relaxation through calcium channel blockade of Achillea millefolium hexanic extract and its main bioactive compounds. Journal of Ethnopharmacology, 2020, 253, 112643.	2.0	16
13	Metronidazole and Secnidazole Carbamates: Synthesis, Antiprotozoal Activity, and Molecular Dynamics Studies. Molecules, 2020, 25, 793.	1.7	12
14	Functional relaxant effect of 6,7-dipropoxy-2H-chromen-2-one is mainly by calcium channel blockade in ex vivo assay of tracheal rings. Medicinal Chemistry Research, 2019, 28, 1197-1204.	1.1	0
15	Analysis of Flavonoids Bioactivity for Cholestatic Liver Disease: Systematic Literature Search and Experimental Approaches. Biomolecules, 2019, 9, 102.	1.8	7
16	Design, Synthesis, Antihyperglycemic Studies, and Docking Simulations of Benzimidazole-Thiazolidinedione Hybrids. Journal of Chemistry, 2019, 2019, 1-8.	0.9	9
17	Functional mechanism of tracheal relaxation, antiasthmatic, and toxicological studies of 6â€hydroxyflavone. Drug Development Research, 2019, 80, 218-229.	1.4	4
18	High accumulation of tilianin in in-vitro cultures of Agastache mexicana and its potential vasorelaxant action. Molecular Biology Reports, 2019, 46, 1107-1115.	1.0	10

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19	Ursolic acid derivatives as potential antidiabetic agents: <i>In vitro</i> , <i>in vivo</i> , and <i>in silico</i> studies. Drug Development Research, 2018, 79, 70-80.	1.4	26
20	Relaxant effect of structurally related flavonoids on isolated tracheal rat rings: a SAR study. Medicinal Chemistry Research, 2018, 27, 122-127.	1.1	3
21	Antidiabetic effect of Achillea millefollium through multitarget interactions: α-glucosidases inhibition, insulin sensitization and insulin secretagogue activities. Journal of Ethnopharmacology, 2018, 212, 1-7.	2.0	49
22	Design, synthesis, in vitro, in vivo and in silico pharmacological characterization of antidiabetic N-Boc-l-tyrosine-based compounds. Biomedicine and Pharmacotherapy, 2018, 108, 670-678.	2.5	9
23	Synthesis and evaluation of thiazolidine-2,4-dione/benzazole derivatives as inhibitors of protein tyrosine phosphatase 1B (PTP-1B): Antihyperglycemic activity with molecular docking study. Biomedicine and Pharmacotherapy, 2018, 107, 1302-1310.	2.5	24
24	Acute and subacute antidiabetic studies of ENP-9, a new 1,5-diarylpyrazole derivative. Journal of Pharmacy and Pharmacology, 2018, 70, 1031-1039.	1.2	1
25	Design, Synthesis and in Combo Antidiabetic Bioevaluation of Multitarget Phenylpropanoic Acids. Molecules, 2018, 23, 340.	1.7	33
26	Chrysin Induces Antidiabetic, Antidyslipidemic and Anti-Inflammatory Effects in Athymic Nude Diabetic Mice. Molecules, 2018, 23, 67.	1.7	48
27	Discovery of new dual PPARÎ <sup>3</sup> -GPR40 agonists with robust antidiabetic activity: Design, synthesis and in combo drug evaluation. Biomedicine and Pharmacotherapy, 2017, 90, 53-61.	2.5	23
28	A simple method for the synthesis of 1,3-diaminopropan-2-ols derivatives and their ex vivo relaxant activity on isolated rat tracheal rings. Medicinal Chemistry Research, 2017, 26, 1325-1335.	1.1	3
29	Antidiabetic, antidyslipidemic and toxicity profile of ENV-2: A potent pyrazole derivative against diabetes and related diseases. European Journal of Pharmacology, 2017, 803, 159-166.	1.7	21
30	Synthesis and In Vitro AMPK Activation of Cycloalkyl/Alkarylbiguanides with Robust In Vivo Antihyperglycemic Action. Journal of Chemistry, 2017, 2017, 1-8.	0.9	7
31	Biopharmaceutical Characterization and Bioavailability Study of a Tetrazole Analog of Clofibric Acid in Rat. Molecules, 2017, 22, 282.	1.7	5
32	Design, Synthesis and ex vivo Study of the Vasorelaxant Activity Induced by Isosteric Derivatives of Dihydropyridines (NH→O). Letters in Drug Design and Discovery, 2016, 13, 353-359.	0.4	2
33	Synthesis and molecular docking of N′-arylidene-5-(4-chlorophenyl)-1-(3,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carbohydrazides as novel hypoglycemic and antioxidant dual agents. Bioorganic and Medicinal Chemistry, 2016, 24, 2298-2306.	1.4	33
34	In vitro and in silico PTP-1B inhibition and in vivo antidiabetic activity of semisynthetic moronic acid derivatives. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2018-2022.	1.0	19
35	Antidiabetic, antihyperlipidemic and anti-inflammatory effects of tilianin in streptozotocin-nicotinamide diabetic rats. Biomedicine and Pharmacotherapy, 2016, 83, 667-675.	2.5	37
36	Anxiolytic-like effects and toxicological studies of Brickellia cavanillesii (Cass.) A. Gray in experimental mice models. Journal of Ethnopharmacology, 2016, 192, 90-98.	2.0	9

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37	Vasorelaxant mode of action of dichloromethane-soluble extract from Agastache mexicana and its main bioactive compounds. Pharmaceutical Biology, 2016, 54, 2807-2813.	1.3	24
38	Discovery of 2-(3,4-dichlorophenoxy)-N-(2-morpholin-4-ylethyl)acetamide: A selective $If1$ receptor ligand with antinociceptive effect. Biomedicine and Pharmacotherapy, 2016, 79, 284-293.	2.5	5
39	1,5-Diarylpyrazole and vanillin hybrids: Synthesis, biological activity and DFT studies. European Journal of Medicinal Chemistry, 2015, 100, 106-118.	2.6	29
40	Synthesis of nitro(benzo)thiazole acetamides and in vitro antiprotozoal effect against amitochondriate parasites Giardia intestinalis and Trichomonas vaginalis. Bioorganic and Medicinal Chemistry, 2015, 23, 2204-2210.	1.4	27
41	Depressant effects of Agastache mexicana methanol extract and one of major metabolites tilianin. Asian Pacific Journal of Tropical Medicine, 2015, 8, 185-190.	0.4	23
42	Insights on the vasorelaxant mode of action of malbrancheamide. Journal of Pharmacy and Pharmacology, 2015, 67, 551-558.	1.2	9
43	Semisynthesis, exÂvivo evaluation, and SAR studies of coumarin derivatives as potential antiasthmatic drugs. European Journal of Medicinal Chemistry, 2014, 77, 400-408.	2.6	63
44	Synthesis of 2-{2-[(α/β-naphthalen-1-ylsulfonyl)amino]-1,3-thiazol-4-yl} acetamides with 11β-hydroxysteroid dehydrogenase inhibition and in combo antidiabetic activities. European Journal of Medicinal Chemistry, 2014, 74, 179-186.	2.6	30
45	Synthesis of oleanolic acid derivatives: InÂvitro, inÂvivo and in silico studies for PTP-1B inhibition. European Journal of Medicinal Chemistry, 2014, 87, 316-327.	2.6	35
46	Resin glycosides from Ipomoea tyrianthina and their sedative and vasorelaxant effects. Journal of Natural Medicines, 2014, 68, 655-667.	1.1	15
47	Synthesis, in vitro and in silico studies of a PPARγ and GLUT-4 modulator with hypoglycemic effect. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4575-4579.	1.0	22
48	Tracheal relaxation of five medicinal plants used in Mexico for the treatment of several diseases. Asian Pacific Journal of Tropical Medicine, 2014, 7, 179-183.	0.4	13
49	Evaluation of the neuroprotective activity of stansin 6, a resin glycoside from Ipomoea stans. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3541-3545.	1.0	18
50	Crystal structure of 4-methyl-7-propoxy-2H-chromen-2-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, 451-453.	0.2	0
51	Antihyperglycemic and sub-chronic antidiabetic actions of morolic and moronic acids, in vitro and in silico inhibition of 11β-HSD 1. Phytomedicine, 2013, 20, 571-576.	2.3	27
52	Synthesis, hypoglycemic activity and molecular modeling studies of pyrazole-3-carbohydrazides designed by a CoMFA model. European Journal of Medicinal Chemistry, 2013, 69, 10-21.	2.6	40
53	Synthesis, exÂvivo and in silico studies of 3-cyano-2-pyridone derivatives with vasorelaxant activity. European Journal of Medicinal Chemistry, 2013, 70, 669-676.	2.6	25
54	Antihypertensive and vasorelaxant effects of dihydrospinochalcone-A isolated from Lonchocarpus xuul Lundell by NO production: Computational and ex vivo approaches. Phytomedicine, 2013, 20, 1241-1246.	2.3	23

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55	Chemical constituents from Flourensia resinosa S.F. Blake (Asteraceae). Biochemical Systematics and Ecology, 2013, 51, 240-242.	0.6	11
56	Chemical constituents of the hemiparasitic plantPhoradendron brachystachyumDC Nutt (Viscaceae). Natural Product Research, 2013, 27, 130-136.	1.0	23
57	Discovery, synthesis and in combo studies of a tetrazole analogue of clofibric acid as a potent hypoglycemic agent. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3244-3247.	1.0	27
58	Discovery of Thiazolidineâ€2,4â€Ðione/Biphenylcarbonitrile Hybrid as Dual <scp>PPAR</scp> α/γ Modulator with Antidiabetic Effect: <i>In vitro, In Silico</i> and <i>In Vivo</i> Approaches. Chemical Biology and Drug Design, 2013, 81, 474-483.	1.5	49
59	Dose-dependent antihypertensive determination and toxicological studies of tilianin isolated from Agastache mexicana. Journal of Ethnopharmacology, 2013, 146, 187-191.	2.0	36
60	Ex Vivo Study of the Vasorelaxant Activity Induced by Phenanthrene Derivatives Isolated from <i>Maxillaria densa</i> . Journal of Natural Products, 2012, 75, 2241-2245.	1.5	24
61	Relaxant effects of Artemisia ludoviciana on isolated rat smooth muscle tissues. Journal of Ethnopharmacology, 2012, 139, 513-518.	2.0	41
62	Vasorelaxant activity of some structurally related triterpenic acids from Phoradendron reichenbachianum (Viscaceae) mainly by NO production: Ex vivo and in silico studies. FA¬toterapA¬A¢, 2012, 83, 1023-1029.	1.1	39
63	Complete NMR assignment of 3, 4â€ <i>seco</i> â€lupâ€20(29)â€enâ€3â€oic acid from <i>Decatropis bicolor</i> Magnetic Resonance in Chemistry, 2012, 50, 329-331.	<sup>•</sup> 1.1	2
64	Synthesis, inÂvitro and in silico screening of ethyl 2-(6-substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (	benzo[d]t	thiazol-2-ylar
04	Journal of Medicinal Chemistry, 2012, 53, 346-355.	2.0	20
65	Sedative, vasorelaxant, and cytotoxic effects of convolvulin from Ipomoea tyrianthina. Journal of Ethnopharmacology, 2011, 135, 434-439.	2.0	12
66	Validated liquid chromatographic method and analysis of content of tilianin on several extracts obtained from Agastache mexicana and its correlation with vasorelaxant effect. Journal of Ethnopharmacology, 2011, 138, 487-491.	2.0	20
67	Vasorelaxant effect of flavonoids through calmodulin inhibition: Ex vivo, in vitro, and in silico approaches. Bioorganic and Medicinal Chemistry, 2011, 19, 542-546.	1.4	23
68	Antidiabetic activity of some pentacyclic acid triterpenoids, role of PTP–1B: In vitro, in silico, and in vivo approaches. European Journal of Medicinal Chemistry, 2011, 46, 2243-2251.	2.6	107
69	Synthesis, vasorelaxant activity and antihypertensive effect of benzo[d]imidazole derivatives. Bioorganic and Medicinal Chemistry, 2010, 18, 3985-3991.	1.4	45
70	Vasorelaxant and antihypertensive effects of methanolic extract from roots of Laelia anceps are mediated by calcium-channel antagonism. Fìtoterapìâ, 2010, 81, 350-357.	1.1	27
71	Design, synthesis, and in vitro antiprotozoal, antimycobacterial activities of N-{2-[(7-chloroquinolin-4-yl)amino]ethyl}ureas. Bioorganic and Medicinal Chemistry, 2010, 18, 6398-6403.	1.4	49
72	A comparative study of flavonoid analogues on streptozotocin–nicotinamide induced diabetic rats: Quercetin as a potential antidiabetic agent acting via 11β-Hydroxysteroid dehydrogenase type 1 inhibition. European Journal of Medicinal Chemistry, 2010, 45, 2606-2612.	2.6	114

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73	Spasmolytic effect of Mentha pulegium L. involves ionic flux regulation in rat ileum strips. Journal of Smooth Muscle Research, 2010, 46, 107-117.	0.7	16
74	Ethyl 2-{(2Z)-2-[(1-naphthylsulfonyl)imino]-2,3-dihydro-1,3-thiazol-4-yl}acetate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, 02744-02744.	0.2	1
75	Micropropagation and vasorelaxant activity of <i>Laelia autumnalis</i> (Orchidaceae). Natural Product Research, 2010, 24, 106-114.	1.0	8
76	Cochlospermum vitifolium induces vasorelaxant and antihypertensive effects mainly by activation of NO/cGMP signaling pathway. Journal of Ethnopharmacology, 2010, 130, 477-484.	2.0	23
77	Vasorelaxant effect of <i>Valeriana edulis</i> ssp. <i>procera</i> (Valerianaceae) and its mode of action as calcium channel blocker. Journal of Pharmacy and Pharmacology, 2010, 62, 1167-1174.	1.2	15
78	Antihypertensive and vasorelaxant effects of tilianin isolated from Agastache mexicana are mediated by NO/cGMP pathway and potassium channel opening. Biochemical Pharmacology, 2009, 78, 54-61.	2.0	61
79	Synthesis, in vitro and computational studies of protein tyrosine phosphatase 1B inhibition of a small library of 2-arylsulfonylaminobenzothiazoles with antihyperglycemic activity. Bioorganic and Medicinal Chemistry, 2009, 17, 3332-3341.	1.4	42
80	Glycolipid ester-type heterodimers from Ipomoea tyrianthina and their pharmacological activity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4652-4656.	1.0	19
81	Antidiabetic activity of N-(6-substituted-1,3-benzothiazol-2-yl)benzenesulfonamides. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2871-2877.	1.0	87
82	Tyrianthinic Acids from <i>Ipomoea tyrianthina</i> and Their Antimycobacterial Activity, Cytotoxicity, and Effects on the Central Nervous System. Journal of Natural Products, 2008, 71, 1686-1691.	1.5	33
83	Antidiabetic and toxicological evaluations of naringenin in normoglycaemic and NIDDM rat models and its implications on extraâ€pancreatic glucose regulation. Diabetes, Obesity and Metabolism, 2008, 10, 1097-1104.	2.2	142
84	Antihypertensive and vasorelaxant activities of Laelia autumnalis are mainly through calcium channel blockade. Vascular Pharmacology, 2008, 49, 26-31.	1.0	35
85	2-Methyl-2-(4-nitrophenylsulfanyl)propanoic acid. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o91-o91.	0.2	3
86	2-(2-Benzyloxyphenyl)-1 <i>H</i> -benzimidazole. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o608-o608.	0.2	1
87	4-Methoxy-N-[6-methyl-2,3-dihydro-1,3-benzothiazol-2-ylidene]benzenesulfonamide. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o227-o227.	0.2	1
88	Resin Glycosides from the Roots ofIpomoeatyrianthinaand Their Biological Activity#. Journal of Natural Products, 2007, 70, 557-562.	1.5	20
89	α-Glucosidase inhibitory activity of the methanolic extract from Tournefortia hartwegiana: An anti-hyperglycemic agent. Journal of Ethnopharmacology, 2007, 109, 48-53.	2.0	197
90	Hypoglycemic, vasorelaxant and hepatoprotective effects of Cochlospermum vitifolium (Willd.) Sprengel: A potential agent for the treatment of metabolic syndrome. Journal of Ethnopharmacology, 2007, 109, 400-405.	2.0	37

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91	Spasmolytic action of Lepechinia caulescens is through calcium channel blockade and NO release. Journal of Ethnopharmacology, 2007, 114, 364-370.	2.0	13
92	Synthesis and antimycobacterial activity of 4-(5-substituted-1,3,4-oxadiazol-2-yl)pyridines. Bioorganic and Medicinal Chemistry, 2007, 15, 5502-5508.	1.4	100
93	2-(2-Ethoxyphenyl)-1H-benzimidazole monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4208-o4208.	0.2	0
94	QSAR Study on the Relaxant Agents from Some Mexican Medicinal Plants and Synthetic Related Organic Compounds. Chemical Biology and Drug Design, 2007, 70, 143-153.	1.5	9
95	Relaxant activity of 2-(substituted phenyl)-1H-benzimidazoles on isolated rat aortic rings. Life Sciences, 2006, 79, 430-435.	2.0	37
96	Ursolic acid mediates the vasorelaxant activity of Lepechinia caulescens via NO release in isolated rat thoracic aorta. Life Sciences, 2006, 79, 1062-1068.	2.0	58
97	2-(4-Methoxyphenyl)-1H-benzimidazole. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2601-o2602.	0.2	6
98	2-(2-Methoxyphenyl)-1H-benzimidazole. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4816-o4818.	0.2	1
99	Design, microwave-assisted synthesis, and spasmolytic activity of 2-(alkyloxyaryl)-1H-benzimidazole derivatives as constrained stilbene bioisosteres. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4169-4173.	1.0	84
100	Vasorelaxant Effect of Mexican Medicinal Plants on Isolated Rat Aorta. Pharmaceutical Biology, 2005, 43, 540-546.	1.3	14
101	Anti-diabetic effect on alloxanized and normoglycemic rats and some pharmacological evaluations of Tournefortia hartwegiana. Journal of Ethnopharmacology, 2005, 101, 37-42.	2.0	31
102	Mechanism of Relaxant Action of Ethyl 6-amino-5-cyano-2-methyl-4-(pyridin-4-yl)-4H-pyran-3-carboxylate Mainly Through Calcium Channel Blockade in Isolated Rat Trachea. Journal of Applied Pharmaceutical Science, 0, , 029-036.	0.7	0