

Lara Testai

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

3,920
citations

87843

38
h-index

149623

56
g-index

117
all docs

117
docs citations

117
times ranked

4826
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen sulphide: novel opportunity for drug discovery. <i>Medicinal Research Reviews</i> , 2012, 32, 1093-1130.	5.0	144
2	Arylthioamides as H ₂ S Donors: K^+ -Cysteine-Activated Releasing Properties and Vascular Effects in Vitro and in Vivo. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 904-908.	1.3	144
3	Vasorelaxing effects of flavonoids: investigation on the possible involvement of potassium channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 370, 290-298.	1.4	121
4	Nutraceutical Value of Citrus Flavanones and Their Implications in Cardiovascular Disease. <i>Nutrients</i> , 2017, 9, 502.	1.7	121
5	(+)-Naringenin as large conductance Ca ²⁺ -activated K ⁺ (BK Ca ²⁺) channel opener in vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 2006, 149, 1013-1021.	2.7	109
6	Vasorelaxation by hydrogen sulphide involves activation of Kv7 potassium channels. <i>Pharmacological Research</i> , 2013, 70, 27-34.	3.1	105
7	Cardiovascular effects of <i>Urtica dioica</i> L. (Urticaceae) roots extracts: in vitro and in vivo pharmacological studies. <i>Journal of Ethnopharmacology</i> , 2002, 81, 105-109.	2.0	102
8	Effects of natural and synthetic isothiocyanate-based H ₂ S-releasers against chemotherapy-induced neuropathic pain: Role of Kv7 potassium channels. <i>Neuropharmacology</i> , 2017, 121, 49-59.	2.0	90
9	Hydrogen Sulfide Releasing Capacity of Natural Isothiocyanates: Is It a Reliable Explanation for the Multiple Biological Effects of Brassicaceae?. <i>Planta Medica</i> , 2014, 80, 610-613.	0.7	86
10	Pharmacological characterization of the vascular effects of aryl isothiocyanates: Is hydrogen sulfide the real player?. <i>Vascular Pharmacology</i> , 2014, 60, 32-41.	1.0	86
11	The activation of mitochondrial BK potassium channels contributes to the protective effects of naringenin against myocardial ischemia/reperfusion injury. <i>Biochemical Pharmacology</i> , 2013, 85, 1634-1643.	2.0	85
12	Cardioprotective effects of different flavonoids against myocardial ischaemia/reperfusion injury in Langendorff-perfused rat hearts. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 750-756.	1.2	80
13	Therapeutic potential of polyphenols in cardiovascular diseases: Regulation of mTOR signaling pathway. <i>Pharmacological Research</i> , 2020, 152, 104626.	3.1	77
14	The novel H ₂ S-donor 4-carboxyphenyl isothiocyanate promotes cardioprotective effects against ischemia/reperfusion injury through activation of mitoK _{ATP} channels and reduction of oxidative stress. <i>Pharmacological Research</i> , 2016, 113, 290-299.	3.1	71
15	Expression and function of Kv7.4 channels in rat cardiac mitochondria: possible targets for cardioprotection. <i>Cardiovascular Research</i> , 2016, 110, 40-50.	1.8	65
16	Coenzyme Q10: Clinical Applications in Cardiovascular Diseases. <i>Antioxidants</i> , 2020, 9, 341.	2.2	64
17	Role of hydrogen sulfide in endothelial dysfunction: Pathophysiology and therapeutic approaches. <i>Journal of Advanced Research</i> , 2021, 27, 99-113.	4.4	64
18	Mitochondrial Potassium Channels as Pharmacological Target for Cardioprotective Drugs. <i>Medicinal Research Reviews</i> , 2015, 35, 520-553.	5.0	63

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19	Anti-inflammatory and antiviral roles of hydrogen sulfide: Rationale for considering H ₂ S donors in COVID-19 therapy. <i>British Journal of Pharmacology</i> , 2020, 177, 4931-4941.	2.7	63
20	Flavonoids and mitochondrial pharmacology: A new paradigm for cardioprotection. <i>Life Sciences</i> , 2015, 135, 68-76.	2.0	62
21	The Role of Hydrogen Sulfide and H ₂ S-donors in Myocardial Protection Against Ischemia/Reperfusion Injury. <i>Current Medicinal Chemistry</i> , 2018, 25, 4380-4401.	1.2	61
22	Effect of glucoraphanin and sulforaphane against chemotherapy-induced neuropathic pain: Kv7 potassium channels modulation by H ₂ S release <i>in vivo</i> . <i>Phytotherapy Research</i> , 2018, 32, 2226-2234.	2.8	61
23	Anticancer properties of erucin, an H ₂ S-releasing isothiocyanate, on human pancreatic adenocarcinoma cells (AsPC-1). <i>Phytotherapy Research</i> , 2019, 33, 845-855.	2.8	61
24	The Citrus Flavanone Naringenin Protects Myocardial Cells against Age-Associated Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	58
25	New NO-Releasing Pharmacodynamic Hybrids of Losartan and Its Active Metabolite: Design, Synthesis, and Biopharmacological Properties. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2628-2639.	2.9	54
26	The Citrus Flavonoid Naringenin Protects the Myocardium from Ageing-Dependent Dysfunction: Potential Role of SIRT1. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-15.	1.9	52
27	Organic Isothiocyanates as Hydrogen Sulfide Donors. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 110-144.	2.5	51
28	Erucin exhibits vasorelaxing effects and antihypertensive activity by H ₂ S-releasing properties. <i>British Journal of Pharmacology</i> , 2020, 177, 824-835.	2.7	50
29	Using hydrogen sulfide to design and develop drugs. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 163-175.	2.5	49
30	Highly Potent 1,4-Benzothiazine Derivatives as KATP-Channel Openers. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3670-3679.	2.9	48
31	Iminothioethers as Hydrogen Sulfide Donors: From the Gasotransmitter Release to the Vascular Effects. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7512-7523.	2.9	48
32	Coenzyme Q10: Clinical Applications beyond Cardiovascular Diseases. <i>Nutrients</i> , 2021, 13, 1697.	1.7	47
33	New Benzopyran-Based Openers of the Mitochondrial ATP-Sensitive Potassium Channel with Potent Anti-Ischemic Properties. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 7600-7602.	2.9	46
34	Hydrogen Sulphide: Biopharmacological Roles in the Cardiovascular System and Pharmaceutical Perspectives. <i>Current Medicinal Chemistry</i> , 2012, 19, 3325-3336.	1.2	45
35	NSAID-Induced Enteropathy: Are the Currently Available Selective COX-2 Inhibitors All the Same?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 348, 86-95.	1.3	44
36	Novel Analgesic/Anti-Inflammatory Agents: 1,5-Diarylpyrrole Nitrooxyalkyl Ethers and Related Compounds as Cyclooxygenase-2 Inhibiting Nitric Oxide Donors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3191-3206.	2.9	43

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37	Novel Analgesic/Anti-Inflammatory Agents: Diarylpyrrole Acetic Esters Endowed with Nitric Oxide Releasing Properties. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7759-7771.	2.9	42
38	Antioxidant and Antisenescence Effects of Bergamot Juice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.	1.9	42
39	The Citrus Flavanone Naringenin Produces Cardioprotective Effects in Hearts from 1 Year Old Rat, through Activation of mitoBK Channels. <i>Frontiers in Pharmacology</i> , 2017, 8, 71.	1.6	39
40	The Nutraceutical Value of Olive Oil and Its Bioactive Constituents on the Cardiovascular System. Focusing on Main Strategies to Slow Down Its Quality Decay during Production and Storage. <i>Nutrients</i> , 2019, 11, 1962.	1.7	38
41	Targeting ubiquitin-proteasome pathway by natural, in particular polyphenols, anticancer agents: Lessons learned from clinical trials. <i>Cancer Letters</i> , 2018, 434, 101-113.	3.2	36
42	Anti-ischemic properties of a new spiro-cyclic benzopyran activator of the cardiac mito-KATP channel. <i>Biochemical Pharmacology</i> , 2010, 79, 39-47.	2.0	35
43	Impact of mucoadhesive polymeric nanoparticulate systems on oral bioavailability of a macromolecular model drug. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 281-289.	2.0	35
44	Role of hydrogen sulfide in cardiovascular ageing. <i>Pharmacological Research</i> , 2020, 160, 105125.	3.1	35
45	The novel anti-inflammatory agent VA694, endowed with both NO-releasing and COX2-selective inhibiting properties, exhibits NO-mediated positive effects on blood pressure, coronary flow and endothelium in an experimental model of hypertension and endothelial dysfunction. <i>Pharmacological Research</i> , 2013, 78, 1-9.	3.1	32
46	Synthesis of heterocycle-based analogs of resveratrol and their antitumor and vasorelaxing properties. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6715-6724.	1.4	30
47	Novel 1,4-Benzothiazine Derivatives as Large Conductance Ca ²⁺ -Activated Potassium Channel Openers. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5085-5092.	2.9	29
48	The "œirisin system": From biological roles to pharmacological and nutraceutical perspectives. <i>Life Sciences</i> , 2021, 267, 118954.	2.0	29
49	Synthesis and evaluation of antihypertensive activity of 1,8-naphthyridine derivatives. Part X. <i>European Journal of Medicinal Chemistry</i> , 2001, 36, 925-934.	2.6	28
50	NO-glibenclamide derivatives: Prototypes of a new class of nitric oxide-releasing anti-diabetic drugs. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5426-5432.	1.4	28
51	Different patterns of H ₂ S/NO activity and cross-talk in the control of the coronary vascular bed under normotensive or hypertensive conditions. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 47, 25-33.	1.2	28
52	Structure-activity relationships study of isothiocyanates for H ₂ S releasing properties: 3-Pyridyl-isothiocyanate as a new promising cardioprotective agent. <i>Journal of Advanced Research</i> , 2021, 27, 41-53.	4.4	28
53	Predictive models, based on classification algorithms, for compounds potentially active as mitochondrial ATP-sensitive potassium channel openers. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5565-5571.	1.4	26
54	Targeting STATs in neuroinflammation: The road less traveled!. <i>Pharmacological Research</i> , 2019, 141, 73-84.	3.1	26

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55	Spirocyclic Benzopyran-Based Derivatives as New Anti-ischemic Activators of Mitochondrial ATP-Sensitive Potassium Channel. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6945-6954.	2.9	25
56	Enhancing the pharmacodynamic profile of a class of selective COX-2 inhibiting nitric oxide donors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 772-786.	1.4	25
57	Mitochondriotropic and Cardioprotective Effects of Triphenylphosphonium-Conjugated Derivatives of the Diterpenoid Isosteviol. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2060.	1.8	24
58	A Nutraceutical Strategy to Slowing Down the Progression of Cone Death in an Animal Model of Retinitis Pigmentosa. <i>Frontiers in Neuroscience</i> , 2019, 13, 461.	1.4	24
59	Modulation of EndMT by Hydrogen Sulfide in the Prevention of Cardiovascular Fibrosis. <i>Antioxidants</i> , 2021, 10, 910.	2.2	24
60	The H ₂ S-Donor Erucin Exhibits Protective Effects against Vascular Inflammation in Human Endothelial and Smooth Muscle Cells. <i>Antioxidants</i> , 2021, 10, 961.	2.2	24
61	Drug-induced block of cardiac HERG potassium channels and development of torsade de pointes arrhythmias: the case of antipsychotics. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 151-161.	1.2	23
62	Ex Vivo and in Vivo Study of Sucrosomial [®] Iron Intestinal Absorption and Bioavailability. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2722.	1.8	22
63	Eruca sativa Meal against Diabetic Neuropathic Pain: An H ₂ S-Mediated Effect of Glucoerucin. <i>Molecules</i> , 2019, 24, 3006.	1.7	22
64	Searching for novel hydrogen sulfide donors: The vascular effects of two thiourea derivatives. <i>Pharmacological Research</i> , 2020, 159, 105039.	3.1	22
65	The Xanthones Gentiacaulein and Gentiakochianin are Responsible for the Vasodilator Action of the Roots of <i>Gentiana kochiana</i> . <i>Planta Medica</i> , 2003, 69, 770-772.	0.7	21
66	Functional contribution of the endothelial component to the vasorelaxing effect of resveratrol and NS 1619, activators of the large-conductance calcium-activated potassium channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2007, 375, 73-80.	1.4	20
67	1,4-Benzothiazine ATP-Sensitive Potassium Channel Openers: Modifications at the C-2 and C-6 Positions. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4718-4728.	2.9	20
68	Vasorelaxant effects of the chloroformic crude extract of <i>Bupleurum fruticosum</i> L. (Umbelliferae) roots on rat thoracic aorta. <i>Journal of Ethnopharmacology</i> , 2005, 96, 93-97.	2.0	19
69	Efficacy of isothiocyanate-based compounds on different forms of persistent pain. <i>Journal of Pain Research</i> , 2018, Volume 11, 2905-2913.	0.8	19
70	Identification of "toxicophoric" features for predicting drug-induced QT interval prolongation. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 2479-2488.	2.6	18
71	Synthesis and biological evaluation of 5-membered spiro heterocycle-benzopyran derivatives against myocardial ischemia. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 966-973.	2.6	18
72	Advances in Technologies for Highly Active Omega-3 Fatty Acids from Krill Oil: Clinical Applications. <i>Marine Drugs</i> , 2021, 19, 306.	2.2	17

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73	Synthesis and Ca^{2+} -blocking activity of (R, S)-(E)-oximeethers of 2,3-dihydro-1,8-naphthyridine and 2,3-dihydrothiopyrano[2,3-b]pyridine: identification of Ca^{2+} antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4921-4931.	1.4	16
74	Improving the solubility of a new class of antiinflammatory pharmacodynamic hybrids, that release nitric oxide and inhibit cyclooxygenase-2 isoenzyme. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 287-298.	2.6	16
75	Development of Fortified Citrus Olive Oils: From Their Production to Their Nutraceutical Properties on the Cardiovascular System. <i>Nutrients</i> , 2020, 12, 1557.	1.7	16
76	<i>Eruca sativa</i> Mill. seed extract promotes anti-obesity and hypoglycemic effects in mice fed with a high-fat diet. <i>Phytotherapy Research</i> , 2021, 35, 1983-1990.	2.8	15
77	Enantioselectivity in Cardioprotection induced by (S)-(α^*)-2,2-Dimethyl-N-(4-acetamido-benzyl)-4-spiromorpholone-chromane. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1477-1480.	2.9	14
78	Effects of K^+ ATP openers on the QT prolongation induced by HERG-blocking drugs in guinea-pigs. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 924-930.	1.2	14
79	Matrix metalloproteinase-12 inhibitors: synthesis, structure-activity relationships and intestinal absorption of novel sugar-based biphenylsulfonamide carboxylates. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5804-5815.	1.4	14
80	Protective Effects of Bergamot (<i>Citrus bergamia</i> Risso & Poiteau) Juice in Rats Fed with High-Fat Diet. <i>Planta Medica</i> , 2020, 86, 180-189.	0.7	14
81	Vasodilator activity of crude methanolic extract of <i>Gentiana kokiana</i> Perr. et Song. (Gentianaceae). <i>Journal of Ethnopharmacology</i> , 2002, 79, 369-372.	2.0	13
82	Vasodilator activity of <i>Michelia figo</i> Spreng. (Magnoliaceae) by in vitro functional study. <i>Journal of Ethnopharmacology</i> , 2004, 91, 263-266.	2.0	13
83	By-Products from Winemaking and Olive Mill Value Chains for the Enrichment of Refined Olive Oil: Technological Challenges and Nutraceutical Features. <i>Foods</i> , 2020, 9, 1390.	1.9	13
84	Cardiovascular benefits of <i>Eruca sativa</i> mill. Defatted seed meal extract: Potential role of hydrogen sulfide. <i>Phytotherapy Research</i> , 2022, 36, 2616-2627.	2.8	13
85	Protective effect of high-dose montelukast on salbutamol-induced homologous desensitisation in airway smooth muscle. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 693-699.	1.1	11
86	Contribution of irisin pathway in protective effects of mandarin juice (<i>Citrus Tj</i> ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (reti Research, 2021, 35, 4324-4333.	2.8	11
87	Pathophysiological Role of Mitochondrial Potassium Channels and their Modulation by Drugs. <i>Current Medicinal Chemistry</i> , 2018, 25, 2661-2674.	1.2	11
88	Synthesis and pharmacological characterization of mitochondrial KATP channel openers with enhanced mitochondriotropic effects. <i>Bioorganic Chemistry</i> , 2021, 107, 104572.	2.0	10
89	R(+)-methanandamide inhibits tracheal response to endogenously released acetylcholine via capsazepine-sensitive receptors. <i>European Journal of Pharmacology</i> , 2003, 459, 75-81.	1.7	9
90	Inhibitors of the renal outer medullary potassium channel: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2015, 25, 1035-1051.	2.4	9

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91	Voltage-operated potassium (Kv) channels contribute to endothelium-dependent vasorelaxation of carvacrol on rat aorta. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 1177-1183.	1.2	8
92	Kv7.4 channels regulate potassium permeability in neuronal mitochondria. <i>Biochemical Pharmacology</i> , 2022, 197, 114931.	2.0	8
93	Inhibitors of Mitochondrial Human Carbonic Anhydrases VA and VB as a Therapeutic Strategy against Paclitaxel-Induced Neuropathic Pain in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6229.	1.8	8
94	Effects of cannabinoids on non-adrenergic non-cholinergic-mediated relaxation in guinea-pig trachea. <i>European Journal of Pharmacology</i> , 2003, 475, 115-118.	1.7	7
95	Quantitative Structure–Activity Relationship Models for Predicting Biological Properties, Developed by Combining Structure– and Ligand–Based Approaches: An Application to the Human Ether-à-go-à-Related Gene Potassium Channel Inhibition. <i>Chemical Biology and Drug Design</i> , 2009, 74, 416-433.		6
96	Evaluation of the NO-releasing properties of NO-donor linkers. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 189-195.	1.2	6
97	Anti-ischæmic activity of an antioxidant aldose reductase inhibitor on diabetic and non-diabetic rat hearts. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 107-113.	1.2	6
98	Synthesis and evaluation of multi-functional NO-donor/insulin-secretagogue derivatives for the treatment of type II diabetes and its cardiovascular complications. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 422-428.	1.4	6
99	Highly Active Cranberry™s Polyphenolic Fraction: New Advances in Processing and Clinical Applications. <i>Nutrients</i> , 2021, 13, 2546.	1.7	6
100	Identification of novel SIRT1 activators endowed with cardioprotective profile. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 165, 105930.	1.9	5
101	Supplementation of Enriched Polyunsaturated Fatty Acids and CLA Cheese on High Fat Diet: Effects on Lipid Metabolism and Fat Profile. <i>Foods</i> , 2022, 11, 398.	1.9	5
102	Therapeutic potential for coxibs-nitric oxide releasing hybrids in cystic fibrosis. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 112983.	2.6	4
103	The Renal Outer Medullary Potassium Channel (ROMK): An Intriguing Pharmacological Target for an Innovative Class of Diuretic Drugs. <i>Current Medicinal Chemistry</i> , 2018, 25, 2627-2636.	1.2	4
104	Beneficial Effects of Eruca sativa Defatted Seed Meal on Visceral Pain and Intestinal Damage Resulting from Colitis in Rats. <i>Foods</i> , 2022, 11, 580.	1.9	4
105	A New Calcium Oral Controlled-Release System Based on Zeolite for Prevention of Osteoporosis. <i>Nutrients</i> , 2019, 11, 2467.	1.7	3
106	New Synthetic Analogues of Natural Polyphenols as Sirtuin 1-Activating Compounds. <i>Pharmaceuticals</i> , 2022, 15, 339.	1.7	3
107	Anticancer Activities of Eruca a H2S-Donor Isothiocyanate From Eruca Sativa Mill.: Is H2S the Real Player?. , 2019, , 327-328.		1
108	CHAPTER 8. Stevia rebaudiana Bertoni: Beyond Its Use as a Sweetener. Pharmacological and Toxicological Profile of Steviol Glycosides of Stevia rebaudiana Bertoni. <i>Food Chemistry, Function and Analysis</i> , 2018, , 148-161.	0.1	1

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109	Innovative Strategies for Cardioprotection. <i>Current Medicinal Chemistry</i> , 2018, 25, 4378-4379.	1.2	0
110	Anticancer Effect of a Novel H2S-Hybrid Molecule on Human Breast Adenocarcinoma (MFC-7) and Human Breast Epithelial (MCF-10A) Cell Lines. , 2019, , 315-316.		0