

# Lara Testai

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104  
papers

2,728  
citations

30  
h-index

47  
g-index

117  
ext. papers

3,349  
ext. citations

6.1  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
104	Kv7.4 Channels Regulate Potassium Permeability in Neuronal Mitochondria.. <i>Biochemical Pharmacology</i> , <b>2022</b> , 197, 114931	6	1
103	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> , <b>2022</b> , 23, 6229	6.3	2
102	Advances in Technologies for Highly Active Omega-3 Fatty Acids from Krill Oil: Clinical Applications. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	3
101	Coenzyme Q: Clinical Applications beyond Cardiovascular Diseases. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	11
100	Contribution of irisin pathway in protective effects of mandarin juice ( <i>Citrus reticulata</i> Blanco) on metabolic syndrome in rats fed with high fat diet. <i>Phytotherapy Research</i> , <b>2021</b> , 35, 4324-4333	6.7	3
99	Modulation of EndMT by Hydrogen Sulfide in the Prevention of Cardiovascular Fibrosis. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	3
98	The HS-Donor Erucin Exhibits Protective Effects against Vascular Inflammation in Human Endothelial and Smooth Muscle Cells. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	4
97	Highly Active Cranberry® Polyphenolic Fraction: New Advances in Processing and Clinical Applications. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	3
96	Structure-activity relationships study of isothiocyanates for HS releasing properties: 3-Pyridyl-isothiocyanate as a new promising cardioprotective agent. <i>Journal of Advanced Research</i> , <b>2021</b> , 27, 41-53	13	19
95	Role of hydrogen sulfide in endothelial dysfunction: Pathophysiology and therapeutic approaches. <i>Journal of Advanced Research</i> , <b>2021</b> , 27, 99-113	13	28
94	<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> , <b>2021</b> , 35, 1983-1990	6.7	5
93	Therapeutic potential for coxibs-nitric oxide releasing hybrids in cystic fibrosis. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 210, 112983	6.8	1
92	The "irisin system": From biological roles to pharmacological and nutraceutical perspectives. <i>Life Sciences</i> , <b>2021</b> , 267, 118954	6.8	10
91	Synthesis and pharmacological characterization of mitochondrial K channel openers with enhanced mitochondriotropic effects. <i>Bioorganic Chemistry</i> , <b>2021</b> , 107, 104572	5.1	1
90	Identification of novel SIRT1 activators endowed with cardioprotective profile. <i>European Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 165, 105930	5.1	2
89	Searching for novel hydrogen sulfide donors: The vascular effects of two thiourea derivatives. <i>Pharmacological Research</i> , <b>2020</b> , 159, 105039	10.2	10
88	Development of Fortified Citrus Olive Oils: From Their Production to Their Nutraceutical Properties on the Cardiovascular System. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	9

87	The Citrus Flavonoid Naringenin Protects the Myocardium from Ageing-Dependent Dysfunction: Potential Role of SIRT1. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 4650207	6.7	27
86	Coenzyme Q: Clinical Applications in Cardiovascular Diseases. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	27
85	Organic Isothiocyanates as Hydrogen Sulfide Donors. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 32, 110-144	8.4	30
84	Protective Effects of Bergamot (Citrus bergamia Risso & Poiteau) Juice in Rats Fed with High-Fat Diet. <i>Planta Medica</i> , <b>2020</b> , 86, 180-189	3.1	8
83	Therapeutic potential of polyphenols in cardiovascular diseases: Regulation of mTOR signaling pathway. <i>Pharmacological Research</i> , <b>2020</b> , 152, 104626	10.2	47
82	By-Products from Winemaking and Olive Mill Value Chains for the Enrichment of Refined Olive Oil: Technological Challenges and Nutraceutical Features. <i>Foods</i> , <b>2020</b> , 9,	4.9	3
81	Role of hydrogen sulfide in cardiovascular ageing. <i>Pharmacological Research</i> , <b>2020</b> , 160, 105125	10.2	17
80	Anti-inflammatory and antiviral roles of hydrogen sulfide: Rationale for considering H S donors in COVID-19 therapy. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 4931-4941	8.6	25
79	Erucin exhibits vasorelaxing effects and antihypertensive activity by H S-releasing properties. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 824-835	8.6	29
78	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> , <b>2019</b> , 11,	6.7	20
77	Meal against Diabetic Neuropathic Pain: An HS-Mediated Effect of Glucoerucin. <i>Molecules</i> , <b>2019</b> , 24,	4.8	13
76	A Nutraceutical Strategy to Slowing Down the Progression of Cone Death in an Animal Model of Retinitis Pigmentosa. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 461	5.1	19
75	A New Calcium Oral Controlled-Release System Based on Zeolite for Prevention of Osteoporosis. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	1
74	Anticancer Activities of Erucin a H <sub>2</sub> S-Donor Isothiocyanate From Eruca Sativa Mill.: Is H <sub>2</sub> S the Real Player? <b>2019</b> , 327-328		1
73	Anticancer Effect of a Novel H <sub>2</sub> S-Hybrid Molecule on Human Breast Adenocarcinoma (MFC-7) and Human Breast Epithelial (MCF-10A) Cell Lines <b>2019</b> , 315-316		
72	Targeting STATs in neuroinflammation: The road less traveled!. <i>Pharmacological Research</i> , <b>2019</b> , 141, 73-84	10.2	11
71	Anticancer properties of erucin, an H S-releasing isothiocyanate, on human pancreatic adenocarcinoma cells (AsPC-1). <i>Phytotherapy Research</i> , <b>2019</b> , 33, 845-855	6.7	42
70	Effect of glucoraphanin and sulforaphane against chemotherapy-induced neuropathic pain: Kv7 potassium channels modulation by H S release in vivo. <i>Phytotherapy Research</i> , <b>2018</b> , 32, 2226-2234	6.7	44

69	Antioxidant and Antisenescence Effects of Bergamot Juice. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 9395804	6.7	25
68	Targeting ubiquitin-proteasome pathway by natural, in particular polyphenols, anticancer agents: Lessons learned from clinical trials. <i>Cancer Letters</i> , <b>2018</b> , 434, 101-113	9.9	25
67	Impact of mucoadhesive polymeric nanoparticulate systems on oral bioavailability of a macromolecular model drug. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2018</b> , 130, 281-289	5.7	29
66	Pathophysiological Role of Mitochondrial Potassium Channels and their Modulation by Drugs. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 2661-2674	4.3	7
65	The Renal Outer Medullary Potassium Channel (ROMK): An Intriguing Pharmacological Target for an Innovative Class of Diuretic Drugs. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 2627-2636	4.3	2
64	The Role of Hydrogen Sulfide and H <sub>2</sub> S-donors in Myocardial Protection Against Ischemia/Reperfusion Injury. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4380-4401	4.3	38
63	Efficacy of isothiocyanate-based compounds on different forms of persistent pain. <i>Journal of Pain Research</i> , <b>2018</b> , 11, 2905-2913	2.9	9
62	Matrix metalloproteinase-12 inhibitors: synthesis, structure-activity relationships and intestinal absorption of novel sugar-based biphenylsulfonamide carboxylates. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5804-5815	3.4	7
61	Ex Vivo and in Vivo Study of Sucrosomial Iron Intestinal Absorption and Bioavailability. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	15
60	Effects of natural and synthetic isothiocyanate-based HS-releasers against chemotherapy-induced neuropathic pain: Role of Kv7 potassium channels. <i>Neuropharmacology</i> , <b>2017</b> , 121, 49-59	5.5	65
59	The Citrus Flavanone Naringenin Protects Myocardial Cells against Age-Associated Damage. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 9536148	6.7	33
58	Iminothioethers as Hydrogen Sulfide Donors: From the Gasotransmitter Release to the Vascular Effects. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 7512-7523	8.3	38
57	Mitochondriotropic and Cardioprotective Effects of Triphenylphosphonium-Conjugated Derivatives of the Diterpenoid Isosteviol. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	20
56	The Citrus Flavanone Naringenin Produces Cardioprotective Effects in Hearts from 1 Year Old Rat, through Activation of mitoBK Channels. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 71	5.6	21
55	Nutraceutical Value of Citrus Flavanones and Their Implications in Cardiovascular Disease. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	80
54	Using hydrogen sulfide to design and develop drugs. <i>Expert Opinion on Drug Discovery</i> , <b>2016</b> , 11, 163-75	6.2	41
53	Expression and function of Kv7.4 channels in rat cardiac mitochondria: possible targets for cardioprotection. <i>Cardiovascular Research</i> , <b>2016</b> , 110, 40-50	9.9	43
52	Voltage-operated potassium (Kv) channels contribute to endothelium-dependent vasorelaxation of carvacrol on rat aorta. <i>Journal of Pharmacy and Pharmacology</i> , <b>2016</b> , 68, 1177-83	4.8	6

51	The novel HS-donor 4-carboxyphenyl isothiocyanate promotes cardioprotective effects against ischemia/reperfusion injury through activation of mitoK channels and reduction of oxidative stress. <i>Pharmacological Research</i> , <b>2016</b> , 113, 290-299	10.2	50
50	Inhibitors of the renal outer medullary potassium channel: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2015</b> , 25, 1035-51	6.8	6
49	Different patterns of H <sub>2</sub> 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> , <b>2015</b> , 47, 25-33	5	24
48	Mitochondrial potassium channels as pharmacological target for cardioprotective drugs. <i>Medicinal Research Reviews</i> , <b>2015</b> , 35, 520-53	14.4	46
47	Flavonoids and mitochondrial pharmacology: A new paradigm for cardioprotection. <i>Life Sciences</i> , <b>2015</b> , 135, 68-76	6.8	50
46	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> , <b>2015</b> , 23, 422-8	3.4	4
45	NSAID-induced enteropathy: are the currently available selective COX-2 inhibitors all the same?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2014</b> , 348, 86-95	4.7	36
44	Enhancing the pharmacodynamic profile of a class of selective COX-2 inhibiting nitric oxide donors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 772-86	3.4	20
43	Pharmacological characterization of the vascular effects of aryl isothiocyanates: is hydrogen sulfide the real player?. <i>Vascular Pharmacology</i> , <b>2014</b> , 60, 32-41	5.9	66
42	Hydrogen sulfide releasing capacity of natural isothiocyanates: is it a reliable explanation for the multiple biological effects of Brassicaceae?. <i>Planta Medica</i> , <b>2014</b> , 80, 610-3	3.1	62
41	Arylthioamides as H <sub>2</sub> S Donors: l-Cysteine-Activated Releasing Properties and Vascular Effects in Vitro and in Vivo. <i>ACS Medicinal Chemistry Letters</i> , <b>2013</b> , 4, 904-8	4.3	110
40	1,4-Benzothiazine ATP-sensitive potassium channel openers: modifications at the C-2 and C-6 positions. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 4718-28	8.3	18
39	Cardioprotective effects of different flavonoids against myocardial ischaemia/reperfusion injury in Langendorff-perfused rat hearts. <i>Journal of Pharmacy and Pharmacology</i> , <b>2013</b> , 65, 750-6	4.8	62
38	Protective effect of high-dose montelukast on salbutamol-induced homologous desensitisation in airway smooth muscle. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2013</b> , 26, 693-9	3.5	7
37	The activation of mitochondrial BK potassium channels contributes to the protective effects of naringenin against myocardial ischemia/reperfusion injury. <i>Biochemical Pharmacology</i> , <b>2013</b> , 85, 1634-43 <sup>6</sup>		62
36	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> , <b>2013</b> , 78, 1-9	10.2	21
35	Vasorelaxation by hydrogen sulphide involves activation of Kv7 potassium channels. <i>Pharmacological Research</i> , <b>2013</b> , 70, 27-34	10.2	82
34	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> , <b>2013</b> , 56, 3191-206	8.3	37

33	Hydrogen sulphide: biopharmacological roles in the cardiovascular system and pharmaceutical perspectives. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 3325-36	4.3	40
32	Hydrogen sulphide: novel opportunity for drug discovery. <i>Medicinal Research Reviews</i> , <b>2012</b> , 32, 1093-1304	4.4	120
31	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> , <b>2012</b> , 58, 287-98	6.8	14
30	Novel analgesic/anti-inflammatory agents: diarylpyrrole acetic esters endowed with nitric oxide releasing properties. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 7759-71	8.3	36
29	Synthesis and biological evaluation of 5-membered spiro heterocycle-benzopyran derivatives against myocardial ischemia. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 966-73	6.8	14
28	Anti-ischaemic activity of an antioxidant aldose reductase inhibitor on diabetic and non-diabetic rat hearts. <i>Journal of Pharmacy and Pharmacology</i> , <b>2010</b> , 62, 107-13	4.8	6
27	Effects of KATP openers on the QT prolongation induced by HERG-blocking drugs in guinea-pigs. <i>Journal of Pharmacy and Pharmacology</i> , <b>2010</b> , 62, 924-930	4.8	13
26	Anti-ischemic properties of a new spiro-cyclic benzopyran activator of the cardiac mito-KATP channel. <i>Biochemical Pharmacology</i> , <b>2010</b> , 79, 39-47	6	28
25	Synthesis of heterocycle-based analogs of resveratrol and their antitumor and vasorelaxing properties. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 6715-24	3.4	29
24	Quantitative structure-activity relationship models for predicting biological properties, developed by combining structure- and ligand-based approaches: an application to the human ether-a-go-go-related gene potassium channel inhibition. <i>Chemical Biology and Drug Design</i> , <b>2009</b> , 54, 416-23	2.9	6
23	Predictive models, based on classification algorithms, for compounds potentially active as mitochondrial ATP-sensitive potassium channel openers. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 5565-71	3.4	24
22	NO-glibenclamide derivatives: prototypes of a new class of nitric oxide-releasing anti-diabetic drugs. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 5426-32	3.4	21
21	Enantioselectivity in cardioprotection induced by (S)-(-)-2,2-dimethyl-N-(4-acetamido-benzyl)-4-spiromorpholone-chromane. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 1477-80	8.3	13
20	Evaluation of the NO-releasing properties of NO-donor linkers. <i>Journal of Pharmacy and Pharmacology</i> , <b>2008</b> , 60, 189-95	4.8	5
19	Spirocyclic benzopyran-based derivatives as new anti-ischemic activators of mitochondrial ATP-sensitive potassium channel. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 6945-54	8.3	24
18	Novel 1,4-benzothiazine derivatives as large conductance Ca <sup>2+</sup> -activated potassium channel openers. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 5085-92	8.3	26
17	Identification of "toxicophoric" features for predicting drug-induced QT interval prolongation. <i>European Journal of Medicinal Chemistry</i> , <b>2008</b> , 43, 2479-88	6.8	13
16	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> , <b>2007</b> , 375, 73-80	3.4	17

15	New benzopyran-based openers of the mitochondrial ATP-sensitive potassium channel with potent anti-ischemic properties. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 7600-2	8.3	45
14	(+/-)-Naringenin as large conductance Ca(2+)-activated K+ (BKCa) channel opener in vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , <b>2006</b> , 149, 1013-21	8.6	79
13	New NO-releasing pharmacodynamic hybrids of losartan and its active metabolite: design, synthesis, and biopharmacological properties. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 2628-39	8.3	46
12	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> , <b>2005</b> , 57, 151-61	4.8	19
11	Vasorelaxant effects of the chloroformic crude extract of <i>Bupleurum fruticosum</i> L. (Umbelliferae) roots on rat thoracic aorta. <i>Journal of Ethnopharmacology</i> , <b>2005</b> , 96, 93-7	5	16
10	Vasorelaxing effects of flavonoids: investigation on the possible involvement of potassium channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2004</b> , 370, 290-8	3.4	110
9	Vasodilator activity of <i>Michelia figo</i> Spreng. (Magnoliaceae) by in vitro functional study. <i>Journal of Ethnopharmacology</i> , <b>2004</b> , 91, 263-6	5	9
8	The xanthones gentiacaulein and gentiakochianin are responsible for the vasodilator action of the roots of <i>Gentiana kochiana</i> . <i>Planta Medica</i> , <b>2003</b> , 69, 770-2	3.1	19
7	R+-methanandamide inhibits tracheal response to endogenously released acetylcholine via capsazepine-sensitive receptors. <i>European Journal of Pharmacology</i> , <b>2003</b> , 459, 75-81	5.3	7
6	Effects of cannabinoids on non-adrenergic non-cholinergic-mediated relaxation in guinea-pig trachea. <i>European Journal of Pharmacology</i> , <b>2003</b> , 475, 115-8	5.3	6
5	Synthesis and beta-blocking activity of (R,S)-(E)-oximeethers of 2,3-dihydro-1,8-naphthyridine and 2,3-dihydrothiopyrano[2,3-b]pyridine: identification of beta 3-antagonists. <i>Bioorganic and Medicinal Chemistry</i> , <b>2003</b> , 11, 4921-31	3.4	14
4	Highly potent 1,4-benzothiazine derivatives as K(ATP)-channel openers. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 3670-9	8.3	41
3	Vasodilator activity of crude methanolic extract of <i>Gentiana kokiana</i> Perr. et Song. (Gentianaceae). <i>Journal of Ethnopharmacology</i> , <b>2002</b> , 79, 369-72	5	12
2	Cardiovascular effects of <i>Urtica dioica</i> L. (Urticaceae) roots extracts: in vitro and in vivo pharmacological studies. <i>Journal of Ethnopharmacology</i> , <b>2002</b> , 81, 105-9	5	80
1	Synthesis and evaluation of antihypertensive activity of 1,8-naphthyridine derivatives. Part X. <i>European Journal of Medicinal Chemistry</i> , <b>2001</b> , 36, 925-934	6.8	25