

Lara Testai

List of Publications by Citations

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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 | Hydrogen sulphide: novel opportunity for drug discovery. <i>Medicinal Research Reviews</i> , 2012 , 32, 1093-1304 | 4.4 | 120 |
| 103 | Arylthioamides as H ₂ S Donors: l-Cysteine-Activated Releasing Properties and Vascular Effects in Vitro and in Vivo. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 904-8 | 4.3 | 110 |
| 102 | Vasorelaxing effects of flavonoids: investigation on the possible involvement of potassium channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 370, 290-8 | 3.4 | 110 |
| 101 | Vasorelaxation by hydrogen sulphide involves activation of Kv7 potassium channels. <i>Pharmacological Research</i> , 2013 , 70, 27-34 | 10.2 | 82 |
| 100 | Nutraceutical Value of Citrus Flavanones and Their Implications in Cardiovascular Disease. <i>Nutrients</i> , 2017 , 9, | 6.7 | 80 |
| 99 | 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, 105-9 | 5 | 80 |
| 98 | (+/-)-Naringenin as large conductance Ca(2+)-activated K ⁺ (BKCa) channel opener in vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 2006 , 149, 1013-21 | 8.6 | 79 |
| 97 | Pharmacological characterization of the vascular effects of aryl isothiocyanates: is hydrogen sulfide the real player?. <i>Vascular Pharmacology</i> , 2014 , 60, 32-41 | 5.9 | 66 |
| 96 | Effects of natural and synthetic isothiocyanate-based HS-releasers against chemotherapy-induced neuropathic pain: Role of Kv7 potassium channels. <i>Neuropharmacology</i> , 2017 , 121, 49-59 | 5.5 | 65 |
| 95 | Cardioprotective effects of different flavonoids against myocardial ischaemia/reperfusion injury in Langendorff-perfused rat hearts. <i>Journal of Pharmacy and Pharmacology</i> , 2013 , 65, 750-6 | 4.8 | 62 |
| 94 | 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, 1634-43 ⁶ | 6 | 62 |
| 93 | 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, 610-3 | 3.1 | 62 |
| 92 | Flavonoids and mitochondrial pharmacology: A new paradigm for cardioprotection. <i>Life Sciences</i> , 2015 , 135, 68-76 | 6.8 | 50 |
| 91 | 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> , 2016 , 113, 290-299 | 10.2 | 50 |
| 90 | Therapeutic potential of polyphenols in cardiovascular diseases: Regulation of mTOR signaling pathway. <i>Pharmacological Research</i> , 2020 , 152, 104626 | 10.2 | 47 |
| 89 | Mitochondrial potassium channels as pharmacological target for cardioprotective drugs. <i>Medicinal Research Reviews</i> , 2015 , 35, 520-53 | 14.4 | 46 |
| 88 | New NO-releasing pharmacodynamic hybrids of losartan and its active metabolite: design, synthesis, and biopharmacological properties. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2628-39 | 8.3 | 46 |

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| 87 | New benzopyran-based openers of the mitochondrial ATP-sensitive potassium channel with potent anti-ischemic properties. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 7600-2 | 8.3 | 45 |
| 86 | Effect of glucoraphanin and sulforaphane against chemotherapy-induced neuropathic pain: Kv7 potassium channels modulation by H ₂ S release in vivo. <i>Phytotherapy Research</i> , 2018 , 32, 2226-2234 | 6.7 | 44 |
| 85 | Expression and function of Kv7.4 channels in rat cardiac mitochondria: possible targets for cardioprotection. <i>Cardiovascular Research</i> , 2016 , 110, 40-50 | 9.9 | 43 |
| 84 | 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 | 6.7 | 42 |
| 83 | Using hydrogen sulfide to design and develop drugs. <i>Expert Opinion on Drug Discovery</i> , 2016 , 11, 163-75 | 6.2 | 41 |
| 82 | Highly potent 1,4-benzothiazine derivatives as K(ATP)-channel openers. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 3670-9 | 8.3 | 41 |
| 81 | Hydrogen sulphide: biopharmacological roles in the cardiovascular system and pharmaceutical perspectives. <i>Current Medicinal Chemistry</i> , 2012 , 19, 3325-36 | 4.3 | 40 |
| 80 | Iminothioethers as Hydrogen Sulfide Donors: From the Gasotransmitter Release to the Vascular Effects. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 7512-7523 | 8.3 | 38 |
| 79 | 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 | 4.3 | 38 |
| 78 | 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, 3191-206 | 8.3 | 37 |
| 77 | 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 | 4.7 | 36 |
| 76 | Novel analgesic/anti-inflammatory agents: diarylpyrrole acetic esters endowed with nitric oxide releasing properties. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 7759-71 | 8.3 | 36 |
| 75 | The Citrus Flavanone Naringenin Protects Myocardial Cells against Age-Associated Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 9536148 | 6.7 | 33 |
| 74 | Organic Isothiocyanates as Hydrogen Sulfide Donors. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 110-148 | 8.4 | 30 |
| 73 | 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 | 5.7 | 29 |
| 72 | Synthesis of heterocycle-based analogs of resveratrol and their antitumor and vasorelaxing properties. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 6715-24 | 3.4 | 29 |
| 71 | Erucin exhibits vasorelaxing effects and antihypertensive activity by H ₂ S-releasing properties. <i>British Journal of Pharmacology</i> , 2020 , 177, 824-835 | 8.6 | 29 |
| 70 | Anti-ischemic properties of a new spiro-cyclic benzopyran activator of the cardiac mito-KATP channel. <i>Biochemical Pharmacology</i> , 2010 , 79, 39-47 | 6 | 28 |

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| 69 | Role of hydrogen sulfide in endothelial dysfunction: Pathophysiology and therapeutic approaches. <i>Journal of Advanced Research</i> , 2021 , 27, 99-113 | 13 | 28 |
| 68 | The Citrus Flavonoid Naringenin Protects the Myocardium from Ageing-Dependent Dysfunction: Potential Role of SIRT1. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 4650207 | 6.7 | 27 |
| 67 | Coenzyme Q: Clinical Applications in Cardiovascular Diseases. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 27 |
| 66 | Novel 1,4-benzothiazine derivatives as large conductance Ca ²⁺ -activated potassium channel openers. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 5085-92 | 8.3 | 26 |
| 65 | Antioxidant and Antisenescence Effects of Bergamot Juice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 9395804 | 6.7 | 25 |
| 64 | Targeting ubiquitin-proteasome pathway by natural, in particular polyphenols, anticancer agents: Lessons learned from clinical trials. <i>Cancer Letters</i> , 2018 , 434, 101-113 | 9.9 | 25 |
| 63 | Synthesis and evaluation of antihypertensive activity of 1,8-naphthyridine derivatives. Part X. <i>European Journal of Medicinal Chemistry</i> , 2001 , 36, 925-934 | 6.8 | 25 |
| 62 | 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 | 8.6 | 25 |
| 61 | 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 | 5 | 24 |
| 60 | 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, 5565-71 | 3.4 | 24 |
| 59 | Spirocyclic benzopyran-based derivatives as new anti-ischemic activators of mitochondrial ATP-sensitive potassium channel. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 6945-54 | 8.3 | 24 |
| 58 | 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> , 2019 , 138, 105517 | 10.2 | 21 |
| 57 | 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 | 5.6 | 21 |
| 56 | NO-glibenclamide derivatives: prototypes of a new class of nitric oxide-releasing anti-diabetic drugs. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5426-32 | 3.4 | 21 |
| 55 | 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, | 6.7 | 20 |
| 54 | Enhancing the pharmacodynamic profile of a class of selective COX-2 inhibiting nitric oxide donors. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 772-86 | 3.4 | 20 |
| 53 | Mitochondriotropic and Cardioprotective Effects of Triphenylphosphonium-Conjugated Derivatives of the Diterpenoid Isosteviol. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 20 |
| 52 | 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 | 5.1 | 19 |

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| 51 | 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> , 2005 , 57, 151-61 | 4.8 | 19 |
| 50 | 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, 770-2 | 3.1 | 19 |
| 49 | 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> , 2021 , 27, 41-53 | 13 | 19 |
| 48 | 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, 4718-28 | 8.3 | 18 |
| 47 | 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 | 3.4 | 17 |
| 46 | Role of hydrogen sulfide in cardiovascular ageing. <i>Pharmacological Research</i> , 2020 , 160, 105125 | 10.2 | 17 |
| 45 | 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, 93-7 | 5 | 16 |
| 44 | Ex Vivo and in Vivo Study of Sucrosomial Iron Intestinal Absorption and Bioavailability. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 15 |
| 43 | 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, 287-98 | 6.8 | 14 |
| 42 | Synthesis and biological evaluation of 5-membered spiro heterocycle-benzopyran derivatives against myocardial ischemia. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 966-73 | 6.8 | 14 |
| 41 | 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> , 2003 , 11, 4921-31 | 3.4 | 14 |
| 40 | Meal against Diabetic Neuropathic Pain: An HS-Mediated Effect of Glucoerucin. <i>Molecules</i> , 2019 , 24, | 4.8 | 13 |
| 39 | Enantioselectivity in cardioprotection induced by (S)-(-)-2,2-dimethyl-N-(4-acetamido-benzyl)-4-spiromorpholone-chromane. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1477-80 | 8.3 | 13 |
| 38 | Effects of KATP openers on the QT prolongation induced by HERG-blocking drugs in guinea-pigs. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 62, 924-930 | 4.8 | 13 |
| 37 | Identification of "toxicophoric" features for predicting drug-induced QT interval prolongation. <i>European Journal of Medicinal Chemistry</i> , 2008 , 43, 2479-88 | 6.8 | 13 |
| 36 | Vasodilator activity of crude methanolic extract of <i>Gentiana kochiana</i> Perr. et Song. (Gentianaceae). <i>Journal of Ethnopharmacology</i> , 2002 , 79, 369-72 | 5 | 12 |
| 35 | Coenzyme Q: Clinical Applications beyond Cardiovascular Diseases. <i>Nutrients</i> , 2021 , 13, | 6.7 | 11 |
| 34 | Targeting STATs in neuroinflammation: The road less traveled!. <i>Pharmacological Research</i> , 2019 , 141, 73-84 | 10.2 | 11 |

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| 33 | Searching for novel hydrogen sulfide donors: The vascular effects of two thiourea derivatives. <i>Pharmacological Research</i> , 2020 , 159, 105039 | 10.2 | 10 |
| 32 | The "irisin system": From biological roles to pharmacological and nutraceutical perspectives. <i>Life Sciences</i> , 2021 , 267, 118954 | 6.8 | 10 |
| 31 | Development of Fortified Citrus Olive Oils: From Their Production to Their Nutraceutical Properties on the Cardiovascular System. <i>Nutrients</i> , 2020 , 12, | 6.7 | 9 |
| 30 | Vasodilator activity of <i>Michelia figo</i> Spreng. (Magnoliaceae) by in vitro functional study. <i>Journal of Ethnopharmacology</i> , 2004 , 91, 263-6 | 5 | 9 |
| 29 | Efficacy of isothiocyanate-based compounds on different forms of persistent pain. <i>Journal of Pain Research</i> , 2018 , 11, 2905-2913 | 2.9 | 9 |
| 28 | 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 | 3.1 | 8 |
| 27 | Protective effect of high-dose montelukast on salbutamol-induced homologous desensitisation in airway smooth muscle. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013 , 26, 693-9 | 3.5 | 7 |
| 26 | R+-methanandamide inhibits tracheal response to endogenously released acetylcholine via capsaizepine-sensitive receptors. <i>European Journal of Pharmacology</i> , 2003 , 459, 75-81 | 5.3 | 7 |
| 25 | Pathophysiological Role of Mitochondrial Potassium Channels and their Modulation by Drugs. <i>Current Medicinal Chemistry</i> , 2018 , 25, 2661-2674 | 4.3 | 7 |
| 24 | 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 | 3.4 | 7 |
| 23 | Inhibitors of the renal outer medullary potassium channel: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2015 , 25, 1035-51 | 6.8 | 6 |
| 22 | 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> , 2009 , 74, 116-22 | 2.9 | 6 |
| 21 | Anti-ischaeamic activity of an antioxidant aldose reductase inhibitor on diabetic and non-diabetic rat hearts. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 62, 107-13 | 4.8 | 6 |
| 20 | Effects of cannabinoids on non-adrenergic non-cholinergic-mediated relaxation in guinea-pig trachea. <i>European Journal of Pharmacology</i> , 2003 , 475, 115-8 | 5.3 | 6 |
| 19 | Voltage-operated potassium (Kv) channels contribute to endothelium-dependent vasorelaxation of carvacrol on rat aorta. <i>Journal of Pharmacy and Pharmacology</i> , 2016 , 68, 1177-83 | 4.8 | 6 |
| 18 | Evaluation of the NO-releasing properties of NO-donor linkers. <i>Journal of Pharmacy and Pharmacology</i> , 2008 , 60, 189-95 | 4.8 | 5 |
| 17 | <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 | 6.7 | 5 |
| 16 | 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, 422-8 | 3.4 | 4 |

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| 15 | The HS-Donor Erucin Exhibits Protective Effects against Vascular Inflammation in Human Endothelial and Smooth Muscle Cells. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 4 |
| 14 | 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, | 4.9 | 3 |
| 13 | Advances in Technologies for Highly Active Omega-3 Fatty Acids from Krill Oil: Clinical Applications. <i>Marine Drugs</i> , 2021 , 19, | 6 | 3 |
| 12 | 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> , 2021 , 35, 4324-4333 | 6.7 | 3 |
| 11 | Modulation of EndMT by Hydrogen Sulfide in the Prevention of Cardiovascular Fibrosis. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 3 |
| 10 | Highly Active Cranberry® Polyphenolic Fraction: New Advances in Processing and Clinical Applications. <i>Nutrients</i> , 2021 , 13, | 6.7 | 3 |
| 9 | 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 | 4.3 | 2 |
| 8 | Identification of novel SIRT1 activators endowed with cardioprotective profile. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 165, 105930 | 5.1 | 2 |
| 7 | 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 | 6.3 | 2 |
| 6 | A New Calcium Oral Controlled-Release System Based on Zeolite for Prevention of Osteoporosis. <i>Nutrients</i> , 2019 , 11, | 6.7 | 1 |
| 5 | Kv7.4 Channels Regulate Potassium Permeability in Neuronal Mitochondria.. <i>Biochemical Pharmacology</i> , 2022 , 197, 114931 | 6 | 1 |
| 4 | Anticancer Activities of Erucin a H ₂ S-Donor Isothiocyanate From <i>Eruca Sativa</i> Mill.: Is H ₂ S the Real Player? 2019 , 327-328 | | 1 |
| 3 | Therapeutic potential for coxibs-nitric oxide releasing hybrids in cystic fibrosis. <i>European Journal of Medicinal Chemistry</i> , 2021 , 210, 112983 | 6.8 | 1 |
| 2 | Synthesis and pharmacological characterization of mitochondrial K channel openers with enhanced mitochondriotropic effects. <i>Bioorganic Chemistry</i> , 2021 , 107, 104572 | 5.1 | 1 |
| 1 | Anticancer Effect of a Novel H ₂ S-Hybrid Molecule on Human Breast Adenocarcinoma (MFC-7) and Human Breast Epithelial (MCF-10A) Cell Lines 2019 , 315-316 | | |