

Simona Saponara

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76
papers

1,401
citations

24
h-index

35
g-index

81
ext. papers

1,807
ext. citations

6.2
avg, IF

4.28
L-index

#	Paper	IF	Citations
76	The multi-factorial nature of clinical multidrug resistance in cancer. <i>Drug Resistance Updates</i> , 2019 , 46, 100645	23.2	155
75	(+/-)-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
74	Quercetin as a novel activator of L-type Ca(2+) channels in rat tail artery smooth muscle cells. <i>British Journal of Pharmacology</i> , 2002 , 135, 1819-27	8.6	62
73	Effects of quercetin and rutin on vascular preparations: a comparison between mechanical and electrophysiological phenomena. <i>European Journal of Nutrition</i> , 2003 , 42, 10-7	5.2	58
72	Development and Pharmacological Characterization of Selective Blockers of 2-Arachidonoyl Glycerol Degradation with Efficacy in Rodent Models of Multiple Sclerosis and Pain. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 2612-32	8.3	49
71	Folate-targeted liposomal nitrooxy-doxorubicin: An effective tool against P-glycoprotein-positive and folate receptor-positive tumors. <i>Journal of Controlled Release</i> , 2018 , 270, 37-52	11.7	47
70	Characterization of voltage-gated calcium currents in freshly isolated smooth muscle cells from rat tail main artery. <i>Acta Physiologica Scandinavica</i> , 2001 , 173, 257-65		46
69	2,5-Di-t-butyl-1,4-benzohydroquinone (BHQ) inhibits vascular L-type Ca(2+) channel via superoxide anion generation. <i>British Journal of Pharmacology</i> , 2001 , 133, 988-96	8.6	44
68	Targeting dopamine D3 and serotonin 5-HT1A and 5-HT2A receptors for developing effective antipsychotics: synthesis, biological characterization, and behavioral studies. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9578-97	8.3	38
67	Optimization of 4-aminoquinoline/clotrimazole-based hybrid antimalarials: further structure-activity relationships, in vivo studies, and preliminary toxicity profiling. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 6948-67	8.3	34
66	A specific taurine recognition site in the rabbit brain is responsible for taurine effects on thermoregulation. <i>British Journal of Pharmacology</i> , 2003 , 139, 487-94	8.6	34
65	The flavonoid scaffold as a template for the design of modulators of the vascular Ca(v) 1.2 channels. <i>British Journal of Pharmacology</i> , 2011 , 164, 1684-97	8.6	33
64	The surge of flavonoids as novel, fine regulators of cardiovascular Ca channels. <i>European Journal of Pharmacology</i> , 2017 , 796, 158-174	5.3	31
63	Mechanism of osthole inhibition of vascular Ca(v)1.2 current. <i>European Journal of Pharmacology</i> , 2012 , 680, 22-7	5.3	30
62	Mechanism of myricetin stimulation of vascular L-type Ca ²⁺ current. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 313, 790-7	4.7	30
61	Repurposing old drugs to fight multidrug resistant cancers. <i>Drug Resistance Updates</i> , 2020 , 52, 100713	23.2	29
60	Synthesis and antiperoxidant activity of new phenolic O-glycosides. <i>Carbohydrate Research</i> , 2001 , 330, 459-68	2.9	28

59	The beneficial health effects of flavonoids on the cardiovascular system: Focus on K channels. <i>Pharmacological Research</i> , 2020 , 152, 104625	10.2	28
58	Hyaluronated liposomes containing H ₂ S-releasing doxorubicin are effective against P-glycoprotein-positive/doxorubicin-resistant osteosarcoma cells and xenografts. <i>Cancer Letters</i> , 2019 , 456, 29-39	9.9	26
57	Cardamonin is a bifunctional vasodilator that inhibits Ca(v)1.2 current and stimulates K(Ca)1.1 current in rat tail artery myocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 332, 531-40	4.7	26
56	Quercetin antagonism of Bay K 8644 effects on rat tail artery L-type Ca(2+) channels. <i>European Journal of Pharmacology</i> , 2008 , 598, 75-80	5.3	25
55	Cancer cell permeability-glycoprotein as a target of MDR reverters: possible role of novel dihydropyridine derivatives. <i>Current Drug Targets</i> , 2006 , 7, 949-59	3	25
54	L-type Ca ²⁺ channels activation and contraction elicited by myricetin on vascular smooth muscles. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003 , 368, 470-8	3.4	25
53	L-Type calcium channel blockers: from diltiazem to 1,2,4-oxadiazol-5-ones via thiazinooxadiazol-3-one derivatives. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 2352-62	8.3	24
52	3,5-dibenzoyl-4-(3-phenoxyphenyl)-1,4-dihydro-2,6-dimethylpyridine (DP7): a new multidrug resistance inhibitor devoid of effects on Langendorff-perfused rat heart. <i>European Journal of Pharmacology</i> , 2007 , 563, 160-3	5.3	24
51	Ca(2+) entry blocking and contractility promoting actions of norbormide in single rat caudal artery myocytes. <i>British Journal of Pharmacology</i> , 2002 , 137, 323-8	8.6	24
50	3,5-Dibenzoyl-4-(3-phenoxyphenyl)-1,4-dihydro-2,6-dimethylpyridine (DP7) as a new multidrug resistance reverting agent devoid of effects on vascular smooth muscle contractility. <i>British Journal of Pharmacology</i> , 2004 , 141, 415-22	8.6	22
49	L-type Ca(2+) channel current characteristics are preserved in rat tail artery myocytes after one-day storage. <i>Acta Physiologica</i> , 2014 , 211, 334-45	5.6	20
48	New NO- and H ₂ S-releasing doxorubicins as targeted therapy against chemoresistance in castration-resistant prostate cancer: in vitro and in vivo evaluations. <i>Investigational New Drugs</i> , 2018 , 36, 985-998	4.3	19
47	The vasodilator papaverine stimulates L-type Ca(2+) current in rat tail artery myocytes via a PKA-dependent mechanism. <i>Vascular Pharmacology</i> , 2016 , 76, 53-61	5.9	18
46	Antimalarial agents against both sexual and asexual parasites stages: structure-activity relationships and biological studies of the Malaria Box compound 1-[5-(4-bromo-2-chlorophenyl)furan-2-yl]-N-[(piperidin-4-yl)methyl]methanamine (MMV019918) and analogues. <i>European Journal of Medicinal Chemistry</i> , 2018 , 150, 698-718	6.8	17
45	Quercetin relaxes rat tail main artery partly via a PKG-mediated stimulation of KCa 1.1 channels. <i>Acta Physiologica</i> , 2013 , 208, 329-39	5.6	17
44	Vasoactivity of Mantonico and Pecorello grape pomaces on rat aorta rings: An insight into nutraceutical development. <i>Journal of Functional Foods</i> , 2019 , 57, 328-334	5.1	15
43	Functional, electrophysiological and molecular docking analysis of the modulation of Cav 1.2 channels in rat vascular myocytes by murrayafoline A. <i>British Journal of Pharmacology</i> , 2016 , 173, 292-304	8.6	13
42	Antihypertensive, cardio- and neuro-protective effects of <i>Tenebrio molitor</i> (Coleoptera: Tenebrionidae) defatted larvae in spontaneously hypertensive rats. <i>PLoS ONE</i> , 2020 , 15, e0233788	3.7	12

41	Effects of freeze-dried red wine on cardiac function and ECG of the Langendorff-perfused rat heart. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014 , 92, 171-4	2.4	12
40	GABA-mediated effects of some taurine derivatives injected i.c.v. on rabbit rectal temperature and gross motor behavior. <i>Amino Acids</i> , 2006 , 30, 233-42	3.5	12
39	Anthracene based compounds as new L-type Ca ²⁺ channel blockers: design, synthesis, and full biological profile. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1259-62	8.3	11
38	Vascular activity of two silicon compounds, ALIS 409 and ALIS 421, novel multidrug-resistance reverting agents in cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2008 , 61, 443-51	3.5	10
37	Stereoselective behavior of the functional diltiazem analogue 1-[(4-chlorophenyl)sulfonyl]-2-(2-thienyl)pyrrolidine, a new L-type calcium channel blocker. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 6637-48	8.3	9
36	Effects of some sterically hindered phenols on whole-cell Ca(2+) current of guinea-pig gastric fundus smooth muscle cells. <i>British Journal of Pharmacology</i> , 2001 , 132, 1326-32	8.6	9
35	MC225, a Novel Probe for P-glycoprotein PET Imaging at the Blood-brain Barrier: In Vitro Cardiovascular Safety Evaluation. <i>Journal of Cardiovascular Pharmacology</i> , 2017 , 70, 405-410	3.1	8
34	Understanding Oxadiazolothiazinone Biological Properties: Negative Inotropic Activity versus Cytochrome P450-Mediated Metabolism. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 3340-52	8.3	8
33	From in silico to in vitro: a trip to reveal flavonoid binding on the Kir6.1 ATP-sensitive inward rectifier potassium channel. <i>PeerJ</i> , 2018 , 6, e4680	3.1	8
32	Effects of commonly used protein kinase inhibitors on vascular contraction and L-type Ca(2+) current. <i>Biochemical Pharmacology</i> , 2012 , 84, 1055-61	6	8
31	Hypoxia as a driver of resistance to immunotherapy. <i>Drug Resistance Updates</i> , 2021 , 100787	23.2	8
30	In vitro vascular toxicity of tariquidar, a potential tool for in vivo PET studies. <i>Toxicology in Vitro</i> , 2017 , 44, 241-247	3.6	8
29	In vitro and in silico analysis of the vascular effects of asymmetrical N,N-bis(alkanol)amine aryl esters, novel multidrug resistance-reverting agents. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016 , 389, 1033-43	3.4	8
28	Relaxant and Ca ²⁺ channel blocking properties of norbormide on rat non-vascular smooth muscles. <i>European Journal of Pharmacology</i> , 2003 , 470, 185-91	5.3	7
27	Effects of taurine and some structurally related analogues on the central mechanism of thermoregulation: a structure-activity relationship study. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 483, 273-82	3.6	7
26	Vascular Toxicity Risk Assessment of MC18 and MC70, Novel Potential Diagnostic Tools for In Vivo PET Studies. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017 , 120, 434-441	3.1	6
25	Ritanserlin blocks Ca _v 1.2 channels in rat artery smooth muscles: electrophysiological, functional, and computational studies. <i>Acta Pharmacologica Sinica</i> , 2020 , 41, 1158-1166	8	6
24	Negative chronotropism, positive inotropism and lusitropism of 3,5-di- <i>t</i> -butyl-4-hydroxyanisole (DTBHA) on rat heart preparations occur through reduction of RyR2 Ca leak. <i>Biochemical Pharmacology</i> , 2018 , 155, 434-443	6	6

23	Playing with opening and closing of heterocycles: using the cusmano-ruccia reaction to develop a novel class of oxadiazolothiazinones, active as calcium channel modulators and P-glycoprotein inhibitors. <i>Molecules</i> , 2014 , 19, 16543-72	4.8	5
22	Harnessing the Role of HDAC6 in Idiopathic Pulmonary Fibrosis: Design, Synthesis, Structural Analysis, and Biological Evaluation of Potent Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 9960-9988	8.3	5
21	Design, synthesis and pharmacological evaluation of ester-based quercetin derivatives as selective vascular K1.1 channel stimulators. <i>Bioorganic Chemistry</i> , 2020 , 105, 104404	5.1	4
20	Vasorelaxant Effects Induced by Red Wine and Pomace Extracts of Magliocco Dolce. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	4
19	A multitarget semi-synthetic derivative of the flavonoid morin with improved in vitro vasorelaxant activity: Role of Ca1.2 and K1.1 channels. <i>Biochemical Pharmacology</i> , 2021 , 185, 114429	6	4
18	Human Tuberculosis. III. Current and Prospective Approaches in Anti-Tubercular Therapy. <i>Current Medicinal Chemistry</i> , 2016 , 23, 2245-74	4.3	3
17	In vitro vascular toxicity assessment of NitDOX, a novel NO-releasing doxorubicin. <i>European Journal of Pharmacology</i> , 2020 , 880, 173164	5.3	3
16	Selective Fatty Acid Amide Hydrolase Inhibitors as Potential Novel Antiepileptic Agents. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 1716-1736	5.7	3
15	The Selective Rat Toxicant Norbormide Blocks K Channels in Smooth Muscle Cells But Not in Insulin-Secreting Cells. <i>Frontiers in Pharmacology</i> , 2019 , 10, 598	5.6	2
14	The novel potent multidrug resistance inhibitors N,N-bis(cyclohexanol)amine aryl esters are devoid of vascular effects. <i>Pharmacology</i> , 2011 , 88, 137-41	2.3	2
13	Flavonoids and hERG channels: Friends or foes?. <i>European Journal of Pharmacology</i> , 2021 , 899, 174030	5.3	2
12	Failure mode and effect analysis of patch-clamp laboratory instrumentation for electrophysiology measurements 2017 ,		1
11	Functional, electrophysiology, and molecular dynamics analysis of quercetin-induced contraction of rat vascular musculature.. <i>European Journal of Pharmacology</i> , 2022 , 918, 174778	5.3	1
10	Sdox, a HS releasing anthracycline, with a safer profile than doxorubicin toward vasculature.. <i>Vascular Pharmacology</i> , 2022 , 143, 106969	5.9	1
9	Proton Pump Inhibitors Directly Block hERG-Potassium Channel and Independently Increase the Risk of QTc Prolongation in a Large Cohort of US Veterans. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021 , 14, e010042	6.4	1
8	2-Hydroxy-5-(3,5,7-trihydroxy-4-oxo-4H-chromen-2-yl)phenyl (E)-3-(4-hydroxy-3-methoxyphenyl)acrylate: Synthesis, In Silico Analysis and In Vitro Pharmacological Evaluation. <i>MolBank</i> , 2021 , 2021, M1258	0.5	0
7	A Comprehensive Evaluation of Sdox, a Promising HS-Releasing Doxorubicin for the Treatment of Chemoresistant Tumors.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 831791	5.6	0
6	Nitrobenzoxadiazole derivatives of the rat selective toxicant norbormide as fluorescent probes for live cell imaging.. <i>Bioorganic and Medicinal Chemistry</i> , 2022 , 59, 116670	3.4	0

- 5 Azetidin-2-one-based small molecules as dual hHDAC6/HDAC8 inhibitors: Investigation of their mechanism of action and impact of dual inhibition profile on cell viability.. *European Journal of Medicinal Chemistry*, **2022**, 238, 114409 6.8 o
- 4 In Vitro Assessment of NitDox Toxicity Toward Vasculature **2019**, 319-320
- 3 Mechanisms of the antispasmodic activity of 3,5-di-t-butyl catechol (DTCAT) on rat vascular smooth muscles. *European Journal of Pharmacology*, **2007**, 561, 112-20 5.3
- 2 Failure Effect Analysis of Patch-Clamp Electronic Instrumentation in Electrophysiology Experiments. *Lecture Notes in Electrical Engineering*, **2018**, 138-144 0.2
- 1 Interference measurements and failure analysis of patch-clamp laboratory instrumentation for electrophysiology tests. *IEEE Instrumentation and Measurement Magazine*, **2018**, 21, 50-57 1.4