

# Simona Saponara

## List of Publications by Year in Descending Order

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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.

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	Functional, electrophysiology, and molecular dynamics analysis of quercetin-induced contraction of rat vascular musculature.. <i>European Journal of Pharmacology</i> , <b>2022</b> , 918, 174778	5.3	1
75	Sdox, a HS releasing anthracycline, with a safer profile than doxorubicin toward vasculature.. <i>Vascular Pharmacology</i> , <b>2022</b> , 143, 106969	5.9	1
74	A Comprehensive Evaluation of Sdox, a Promising HS-Releasing Doxorubicin for the Treatment of Chemoresistant Tumors.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 831791	5.6	0
73	Nitrobenzoxadiazole derivatives of the rat selective toxicant norbormide as fluorescent probes for live cell imaging.. <i>Bioorganic and Medicinal Chemistry</i> , <b>2022</b> , 59, 116670	3.4	0
72	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.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 238, 114409	6.8	0
71	Hypoxia as a driver of resistance to immunotherapy. <i>Drug Resistance Updates</i> , <b>2021</b> , 100787	23.2	8
70	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> , <b>2021</b> , 185, 114429	6	4
69	Selective Fatty Acid Amide Hydrolase Inhibitors as Potential Novel Antiepileptic Agents. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 1716-1736	5.7	3
68	Flavonoids and hERG channels: Friends or foes?. <i>European Journal of Pharmacology</i> , <b>2021</b> , 899, 174030	5.3	2
67	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> , <b>2021</b> , 2021, M1258	0.5	0
66	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> , <b>2021</b> , 14, e010042	6.4	1
65	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> , <b>2021</b> , 64, 9960-9988	8.3	5
64	Design, synthesis and pharmacological evaluation of ester-based quercetin derivatives as selective vascular K1.1 channel stimulators. <i>Bioorganic Chemistry</i> , <b>2020</b> , 105, 104404	5.1	4
63	Vasorelaxant Effects Induced by Red Wine and Pomace Extracts of Magliocco Dolce. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	4
62	Antihypertensive, cardio- and neuro-protective effects of <i>Tenebrio molitor</i> (Coleoptera: Tenebrionidae) defatted larvae in spontaneously hypertensive rats. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233788	3.7	12
61	Repurposing old drugs to fight multidrug resistant cancers. <i>Drug Resistance Updates</i> , <b>2020</b> , 52, 100713	23.2	29
60	Ritanserin blocks Ca1.2 channels in rat artery smooth muscles: electrophysiological, functional, and computational studies. <i>Acta Pharmacologica Sinica</i> , <b>2020</b> , 41, 1158-1166	8	6

59	In vitro vascular toxicity assessment of NitDOX, a novel NO-releasing doxorubicin. <i>European Journal of Pharmacology</i> , <b>2020</b> , 880, 173164	5.3	3
58	The beneficial health effects of flavonoids on the cardiovascular system: Focus on K channels. <i>Pharmacological Research</i> , <b>2020</b> , 152, 104625	10.2	28
57	The multi-factorial nature of clinical multidrug resistance in cancer. <i>Drug Resistance Updates</i> , <b>2019</b> , 46, 100645	23.2	155
56	The Selective Rat Toxicant Norbormide Blocks K Channels in Smooth Muscle Cells But Not in Insulin-Secreting Cells. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 598	5.6	2
55	Vasoactivity of Mantonico and Pecorello grape pomaces on rat aorta rings: An insight into nutraceutical development. <i>Journal of Functional Foods</i> , <b>2019</b> , 57, 328-334	5.1	15
54	Hyaluronated liposomes containing H2S-releasing doxorubicin are effective against P-glycoprotein-positive/doxorubicin-resistant osteosarcoma cells and xenografts. <i>Cancer Letters</i> , <b>2019</b> , 456, 29-39	9.9	26
53	In Vitro Assessment of NitDox Toxicity Toward Vasculature <b>2019</b> , 319-320		
52	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 <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 100-110	6.8	17
51	New NO- and H2S-releasing doxorubicins as targeted therapy against chemoresistance in castration-resistant prostate cancer: in vitro and in vivo evaluations. <i>Investigational New Drugs</i> , <b>2018</b> , 36, 985-998	4.3	19
50	Negative chronotropism, positive inotropism and lusitropism of 3,5-di-t-butyl-4-hydroxyanisole (DTBHA) on rat heart preparations occur through reduction of RyR2 Ca leak. <i>Biochemical Pharmacology</i> , <b>2018</b> , 155, 434-443	6	6
49	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> , <b>2018</b> , 6, e4680	3.1	8
48	Failure Effect Analysis of Patch-Clamp Electronic Instrumentation in Electrophysiology Experiments. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 138-144	0.2	
47	Folate-targeted liposomal nitrooxy-doxorubicin: An effective tool against P-glycoprotein-positive and folate receptor-positive tumors. <i>Journal of Controlled Release</i> , <b>2018</b> , 270, 37-52	11.7	47
46	Interference measurements and failure analysis of patch-clamp laboratory instrumentation for electrophysiology tests. <i>IEEE Instrumentation and Measurement Magazine</i> , <b>2018</b> , 21, 50-57	1.4	
45	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> , <b>2017</b> , 120, 434-441	3.1	6
44	The surge of flavonoids as novel, fine regulators of cardiovascular Ca channels. <i>European Journal of Pharmacology</i> , <b>2017</b> , 796, 158-174	5.3	31
43	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> , <b>2017</b> , 70, 405-410	3.1	8
42	Failure mode and effect analysis of patch-clamp laboratory instrumentation for electrophysiology measurements <b>2017</b> ,		1

41	In vitro vascular toxicity of tariquidar, a potential tool for in vivo PET studies. <i>Toxicology in Vitro</i> , <b>2017</b> , 44, 241-247	3.6	8
40	The vasodilator papaverine stimulates L-type Ca(2+) current in rat tail artery myocytes via a PKA-dependent mechanism. <i>Vascular Pharmacology</i> , <b>2016</b> , 76, 53-61	5.9	18
39	Understanding Oxadiazolothiazinone Biological Properties: Negative Inotropic Activity versus Cytochrome P450-Mediated Metabolism. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 3340-52	8.3	8
38	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> , <b>2016</b> , 59, 2612-32	8.3	49
37	Human Tuberculosis. III. Current and Prospective Approaches in Anti-Tubercular Therapy. <i>Current Medicinal Chemistry</i> , <b>2016</b> , 23, 2245-74	4.3	3
36	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> , <b>2016</b> , 173, 292-304	8.6	13
35	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> , <b>2016</b> , 389, 1033-43	3.4	8
34	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> , <b>2014</b> , 57, 9578-97	8.3	38
33	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> , <b>2014</b> , 19, 16543-72	4.8	5
32	L-type Ca(2+) channel current characteristics are preserved in rat tail artery myocytes after one-day storage. <i>Acta Physiologica</i> , <b>2014</b> , 211, 334-45	5.6	20
31	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> , <b>2014</b> , 92, 171-4	2.4	12
30	Quercetin relaxes rat tail main artery partly via a PKG-mediated stimulation of KCa 1.1 channels. <i>Acta Physiologica</i> , <b>2013</b> , 208, 329-39	5.6	17
29	Mechanism of osthole inhibition of vascular Ca(v)1.2 current. <i>European Journal of Pharmacology</i> , <b>2012</b> , 680, 22-7	5.3	30
28	Effects of commonly used protein kinase inhibitors on vascular contraction and L-type Ca(2+) current. <i>Biochemical Pharmacology</i> , <b>2012</b> , 84, 1055-61	6	8
27	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> , <b>2012</b> , 55, 6948-67	8.3	34
26	The novel potent multidrug resistance inhibitors N,N-bis(cyclohexanol)amine aryl esters are devoid of vascular effects. <i>Pharmacology</i> , <b>2011</b> , 88, 137-41	2.3	2
25	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> , <b>2011</b> , 164, 1684-97	8.6	33
24	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> , <b>2010</b> , 332, 531-40	4.7	26

23	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> , <b>2009</b> , 52, 6637-48	8.3	9
22	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> , <b>2009</b> , 52, 2352-62	8.3	24
21	Anthracene based compounds as new L-type Ca <sup>2+</sup> channel blockers: design, synthesis, and full biological profile. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 1259-62	8.3	11
20	Quercetin antagonism of Bay K 8644 effects on rat tail artery L-type Ca(2+) channels. <i>European Journal of Pharmacology</i> , <b>2008</b> , 598, 75-80	5.3	25
19	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> , <b>2008</b> , 61, 443-51	3.5	10
18	Mechanisms of the antispasmodic activity of 3,5-di-t-butyl catechol (DTCAT) on rat vascular smooth muscles. <i>European Journal of Pharmacology</i> , <b>2007</b> , 561, 112-20	5.3	
17	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> , <b>2007</b> , 563, 160-3	5.3	24
16	Cancer cell permeability-glycoprotein as a target of MDR reverters: possible role of novel dihydropyridine derivatives. <i>Current Drug Targets</i> , <b>2006</b> , 7, 949-59	3	25
15	(+/-)-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
14	GABA-mediated effects of some taurine derivatives injected i.c.v. on rabbit rectal temperature and gross motor behavior. <i>Amino Acids</i> , <b>2006</b> , 30, 233-42	3.5	12
13	Mechanism of myricetin stimulation of vascular L-type Ca <sup>2+</sup> current. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2005</b> , 313, 790-7	4.7	30
12	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> , <b>2004</b> , 141, 415-22	8.6	22
11	L-type Ca <sup>2+</sup> channels activation and contraction elicited by myricetin on vascular smooth muscles. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2003</b> , 368, 470-8	3.4	25
10	Effects of quercetin and rutin on vascular preparations: a comparison between mechanical and electrophysiological phenomena. <i>European Journal of Nutrition</i> , <b>2003</b> , 42, 10-7	5.2	58
9	Relaxant and Ca <sup>2+</sup> channel blocking properties of norbormide on rat non-vascular smooth muscles. <i>European Journal of Pharmacology</i> , <b>2003</b> , 470, 185-91	5.3	7
8	A specific taurine recognition site in the rabbit brain is responsible for taurine effects on thermoregulation. <i>British Journal of Pharmacology</i> , <b>2003</b> , 139, 487-94	8.6	34
7	Quercetin as a novel activator of L-type Ca(2+) channels in rat tail artery smooth muscle cells. <i>British Journal of Pharmacology</i> , <b>2002</b> , 135, 1819-27	8.6	62
6	Ca(2+) entry blocking and contractility promoting actions of norbormide in single rat caudal artery myocytes. <i>British Journal of Pharmacology</i> , <b>2002</b> , 137, 323-8	8.6	24

5	Characterization of voltage-gated calcium currents in freshly isolated smooth muscle cells from rat tail main artery. <i>Acta Physiologica Scandinavica</i> , <b>2001</b> , 173, 257-65		46
4	Synthesis and antiperoxidant activity of new phenolic O-glycosides. <i>Carbohydrate Research</i> , <b>2001</b> , 330, 459-68	2.9	28
3	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> , <b>2001</b> , 132, 1326-32	8.6	9
2	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> , <b>2001</b> , 133, 988-96	8.6	44
1	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> , <b>2000</b> , 483, 273-82	3.6	7