

Fabiola Zakia Mnica

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73 papers	865 citations	16 h-index	25 g-index
81 ext. papers	1,092 ext. citations	4 avg, IF	4.17 L-index

#	Paper	IF	Citations
73	The soluble guanylyl cyclase activator BAY 60-2770 ameliorates detrusor dysfunction in obese mice. <i>BMC Pharmacology & Toxicology</i> , 2013 , 14,	2.6	78
72	The Endothelium-Dependent Nitric Oxide-cGMP Pathway. <i>Advances in Pharmacology</i> , 2016 , 77, 1-27	5.7	45
71	Mirabegron relaxes urethral smooth muscle by a dual mechanism involving β -adrenoceptor activation and α -adrenoceptor blockade. <i>British Journal of Pharmacology</i> , 2016 , 173, 415-28	8.6	44
70	Functional, morphological and molecular characterization of bladder dysfunction in streptozotocin-induced diabetic mice: evidence of a role for L-type voltage-operated Ca^{2+} channels. <i>British Journal of Pharmacology</i> , 2011 , 163, 1276-88	8.6	41
69	Long-term nitric oxide deficiency causes muscarinic supersensitivity and reduces beta(3)-adrenoceptor-mediated relaxation, causing rat detrusor overactivity. <i>British Journal of Pharmacology</i> , 2008 , 153, 1659-68	8.6	39
68	Superoxide anion production by NADPH oxidase plays a major role in erectile dysfunction in middle-aged rats: prevention by antioxidant therapy. <i>Journal of Sexual Medicine</i> , 2013 , 10, 960-71	1.1	35
67	Soluble guanylyl cyclase (sGC) degradation and impairment of nitric oxide-mediated responses in urethra from obese mice: reversal by the sGC activator BAY 60-2770. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 349, 2-9	4.7	30
66	Activation of haem-oxidized soluble guanylyl cyclase with BAY 60-2770 in human platelets lead to overstimulation of the cyclic GMP signaling pathway. <i>PLoS ONE</i> , 2012 , 7, e47223	3.7	27
65	The soluble guanylyl cyclase activator BAY 60-2770 ameliorates overactive bladder in obese mice. <i>Journal of Urology</i> , 2014 , 191, 539-47	2.5	26
64	Role of PKC and $\text{CaV}1.2$ in detrusor overactivity in a model of obesity associated with insulin resistance in mice. <i>PLoS ONE</i> , 2012 , 7, e48507	3.7	25
63	Insulin relaxes bladder via PI3K/AKT/eNOS pathway activation in mucosa: unfolded protein response-dependent insulin resistance as a cause of obesity-associated overactive bladder. <i>Journal of Physiology</i> , 2013 , 591, 2259-73	3.9	25
62	The beta-3 adrenoceptor agonist, mirabegron relaxes isolated prostate from human and rabbit: new therapeutic indication?. <i>Prostate</i> , 2015 , 75, 440-7	4.2	24
61	Stimulators and activators of soluble guanylate cyclase for urogenital disorders. <i>Nature Reviews Urology</i> , 2018 , 15, 42-54	5.5	21
60	Pharmacological characterisation of the relaxation induced by the soluble guanylate cyclase activator, BAY 60-2770 in rabbit corpus cavernosum. <i>BJU International</i> , 2015 , 116, 657-64	5.6	19
59	Evaluation of the relaxant effect of the nitric oxide-independent soluble guanylyl cyclase stimulator BAY 41-2272 in isolated detrusor smooth muscle. <i>European Journal of Pharmacology</i> , 2010 , 637, 171-7	5.3	19
58	Long-term administration of BAY 41-2272 prevents bladder dysfunction in nitric oxide-deficient rats. <i>Neurourology and Urodynamics</i> , 2011 , 30, 456-60	2.3	16
57	Long-term treatment with the beta-3 adrenoceptor agonist, mirabegron ameliorates detrusor overactivity and restores cyclic adenosine monophosphate (cAMP) levels in obese mice. <i>Neurourology and Urodynamics</i> , 2017 , 36, 1511-1518	2.3	15

56	Activation of soluble guanylyl cyclase by BAY 58-2667 improves bladder function in cyclophosphamide-induced cystitis in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F85-93	4.3	15
55	Effect of Polyphenols From on Platelet Aggregation and Inhibition of Cyclooxygenases: Molecular Docking and Analysis. <i>Frontiers in Pharmacology</i> , 2018 , 9, 617	5.6	14
54	Long-term oral treatment with BAY 41-2272 ameliorates impaired corpus cavernosum relaxations in a nitric oxide-deficient rat model. <i>BJU International</i> , 2011 , 108, 116-22	5.6	14
53	Prolonged therapy with the soluble guanylyl cyclase activator BAY 60-2770 restores the erectile function in obese mice. <i>Journal of Sexual Medicine</i> , 2014 , 11, 2661-70	1.1	13
52	Mechanisms of relaxant activity of the nitric oxide-independent soluble guanylyl cyclase stimulator BAY 41-2272 in rat tracheal smooth muscle. <i>European Journal of Pharmacology</i> , 2010 , 645, 158-64	5.3	13
51	Tadalafil for the treatment of benign prostatic hyperplasia. <i>Expert Opinion on Pharmacotherapy</i> , 2019 , 20, 929-937	4	12
50	Deletion or pharmacological blockade of TLR4 confers protection against cyclophosphamide-induced mouse cystitis. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F460-F468	4.3	11
49	Increased contractility and impaired relaxation of the left pulmonary artery in a rabbit model of congenital diaphragmatic hernia. <i>Pediatric Surgery International</i> , 2013 , 29, 489-94	2.1	11
48	The renin-angiotensin system plays a major role in voiding dysfunction of ovariectomized rats. <i>Life Sciences</i> , 2013 , 93, 820-9	6.8	10
47	Role of a novel tetrodotoxin-resistant sodium channel in the nitrergic relaxation of corpus cavernosum from the South American rattlesnake <i>Crotalus durissus terrificus</i> . <i>Journal of Sexual Medicine</i> , 2011 , 8, 1616-25	1.1	10
46	Characterization of the urinary bladder dysfunction in renovascular hypertensive rats. <i>Neurourology and Urodynamics</i> , 2011 , 30, 1392-402	2.3	10
45	Urinary Bladder Dysfunction in Transgenic Sickle Cell Disease Mice. <i>PLoS ONE</i> , 2015 , 10, e0133996	3.7	10
44	Autonomic dysregulation at multiple sites is implicated in age-associated underactive bladder in female mice. <i>Neurourology and Urodynamics</i> , 2019 , 38, 1212-1221	2.3	9
43	Long-term methylglyoxal intake aggravates murine Th2-mediated airway eosinophil infiltration. <i>International Immunopharmacology</i> , 2020 , 81, 106254	5.8	9
42	Electrical field stimulation-induced contractions on <i>Pantherophis guttatus</i> corpora cavernosa and aortae. <i>PLoS ONE</i> , 2018 , 13, e0196123	3.7	9
41	Activation of soluble guanylyl cyclase with inhibition of multidrug resistance protein inhibitor-4 (MRP4) as a new antiplatelet therapy. <i>Biochemical Pharmacology</i> , 2018 , 152, 165-173	6	8
40	Epigenetic regulation of soluble guanylate cyclase (sGC) β in breast cancer cells. <i>FASEB Journal</i> , 2016 , 30, 3171-80	0.9	8
39	Increased Rho-kinase-mediated prostate contractions associated with impairment of β adrenergic-cAMP-signaling pathway by chronic nitric oxide deficiency. <i>European Journal of Pharmacology</i> , 2015 , 758, 24-30	5.3	7

38	Influence of the periprostatic adipose tissue in obesity-associated mouse urethral dysfunction and oxidative stress: Effect of resveratrol treatment. <i>European Journal of Pharmacology</i> , 2018 , 836, 25-33	5.3	7
37	Inhibition of Multidrug Resistance Proteins by MK 571 Enhances Bladder, Prostate, and Urethra Relaxation through cAMP or cGMP Accumulation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018 , 367, 138-146	4.7	7
36	Menthol ameliorates voiding dysfunction in types I and II diabetic mouse model. <i>Neurourology and Urodynamics</i> , 2018 , 37, 2510-2518	2.3	7
35	Vas deferens smooth muscle responses to the nitric oxide-independent soluble guanylate cyclase stimulator BAY 41-2272. <i>European Journal of Pharmacology</i> , 2012 , 688, 49-55	5.3	7
34	Immunohistochemical and functional characterization of nitric oxide signaling pathway in isolated aorta from <i>Crotalus durissus terrificus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 433-9	3.2	7
33	Electrical field stimulation induces endothelium-dependent contraction of human umbilical cord vessels. <i>Life Sciences</i> , 2020 , 243, 117257	6.8	7
32	Electrical field-induced contractions on <i>Crotalus durissus terrificus</i> and <i>Bothrops jararaca</i> aortae are caused by endothelium-derived catecholamine. <i>PLoS ONE</i> , 2018 , 13, e0203573	3.7	7
31	Pharmacological and transcriptomic characterization of the nitric oxide pathway in aortic rings isolated from the tortoise <i>Chelonoidis carbonaria</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 222, 82-89	3.2	6
30	Blockade of renin-angiotensin system prevents micturition dysfunction in renovascular hypertensive rats. <i>European Journal of Pharmacology</i> , 2014 , 738, 285-92	5.3	6
29	The Evolutionary Implications of Hemipenial Morphology of Rattlesnake <i>Crotalus durissus terrificus</i> (Laurent, 1768) (Serpentes: Viperidae: Crotalinae). <i>PLoS ONE</i> , 2013 , 8, e66903	3.7	6
28	Effect of acute administration of sildenafil to rats with detrusor overactivity induced by chronic deficiency of nitric oxide. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2013 , 39, 268-75	2	6
27	The sodium-glucose cotransporter-2 (SGLT2) inhibitors synergize with nitric oxide and prostacyclin to reduce human platelet activation. <i>Biochemical Pharmacology</i> , 2020 , 182, 114276	6	6
26	Mirabegron elicits rat corpus cavernosum relaxation and increases in vivo erectile response. <i>European Journal of Pharmacology</i> , 2019 , 858, 172447	5.3	5
25	Endothelium-derived dopamine modulates EFS-induced contractions of human umbilical vessels. <i>Pharmacology Research and Perspectives</i> , 2020 , 8, e00612	3.1	5
24	Tetrodotoxin-insensitive electrical field stimulation-induced contractions on <i>Crotalus durissus terrificus</i> corpus cavernosum. <i>PLoS ONE</i> , 2017 , 12, e0183766	3.7	4
23	Soluble Guanylate Cyclase Modulators, BAY 41-2272 and BAY 60-2770, Inhibit Human and Rabbit Prostate Contractility. <i>Urology</i> , 2016 , 94, 312.e9-312.e15	1.6	4
22	Methylglyoxal, a Reactive Glucose Metabolite, Induces Bladder Overactivity in Addition to Inflammation in Mice. <i>Frontiers in Physiology</i> , 2020 , 11, 290	4.6	4
21	Endothelium modulates electrical field stimulation-induced contractions of <i>Chelonoidis carbonaria</i> aortic rings. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020 , 233, 108763	3.2	4

20	The Role of Periprostatic Adipose Tissue on Prostate Function in Vascular-Related Disorders. <i>Frontiers in Pharmacology</i> , 2021 , 12, 626155	5.6	4
19	Effects of nitric oxide inhibitors in mice with bladder outlet obstruction. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2017 , 43, 356-366	2	3
18	BAY 41-2272, a soluble guanylate cyclase stimulator, relaxes isolated human ureter in a standardized in vitro model. <i>Urology</i> , 2014 , 83, 256.e1-7	1.6	3
17	The cholinergic response is increased in isolated ileum from gastroschisis rat model. <i>Pediatric Surgery International</i> , 2011 , 27, 1015-9	2.1	3
16	Rutin present in <i>Alibertia edulis</i> extract acts on human platelet aggregation through inhibition of cyclooxygenase/thromboxane. <i>Food and Function</i> , 2021 , 12, 802-814	6.1	3
15	The effects of mirabegron on obesity-induced inflammation and insulin resistance are associated with brown adipose tissue activation but not being in the subcutaneous white adipose tissue. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021 , 48, 1477-1487	3	3
14	Mirabegron, a β -adrenoceptor agonist reduced platelet aggregation through cyclic adenosine monophosphate accumulation. <i>European Journal of Pharmacology</i> , 2018 , 829, 79-84	5.3	2
13	Hydrochlorothiazide Potentiates Contractile Activity of Mouse Cavernosal Smooth Muscle. <i>Sexual Medicine</i> , 2016 , 4, e113-23	2.7	2
12	6-Nitrodopamine is released by human umbilical cord vessels and modulates vascular reactivity. <i>Life Sciences</i> , 2021 , 276, 119425	6.8	2
11	6-Nitrodopamine is an endogenous mediator of rat isolated epididymal vas deferens contractions induced by electric-field stimulation. <i>European Journal of Pharmacology</i> , 2021 , 911, 174544	5.3	2
10	Metformin abrogates the voiding dysfunction induced by prolonged methylglyoxal intake. <i>European Journal of Pharmacology</i> , 2021 , 910, 174502	5.3	2
9	The basal release of endothelium-derived catecholamines regulates the contractions of aorta caused by electrical-field stimulation. <i>Biology Open</i> , 2021 , 10,	2.2	1
8	Administration of BAY 41-2272 prevents bladder dysfunction in nitric-oxide deficient rats. <i>Einstein (Sao Paulo, Brazil)</i> , 2010 , 8, 404-9	1.2	1
7	Alpha1-adrenergic antagonists block 6-nitrodopamine contractions on the rat isolated epididymal vas deferens.. <i>European Journal of Pharmacology</i> , 2021 , 915, 174716	5.3	1
6	Methylglyoxal Exacerbates Lipopolysaccharide-Induced Acute Lung Injury via RAGE-Induced ROS Generation: Protective Effects of Metformin. <i>Journal of Inflammation Research</i> , 2021 , 14, 6477-6489	4.8	1
5	Deficiency of ARHGAP21 alters megakaryocytic cell lineage responses and enhances platelet hemostatic function. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 119012	4.9	1
4	Preserved activity of soluble guanylate cyclase (sGC) in iliac artery from middle-aged rats: Role of sGC modulators. <i>Nitric Oxide - Biology and Chemistry</i> , 2021 , 106, 9-16	5	1
3	Enhanced RAGE Expression and Excess Reactive-Oxygen Species Production Mediates Rho Kinase-Dependent Detrusor Overactivity After Methylglyoxal Exposure.. <i>Frontiers in Physiology</i> , 2022 , 13, 860342	4.6	1

- 2 Guanosine, a guanine-based nucleoside relaxed isolated corpus cavernosum from mice through cGMP accumulation. *Purinergic Signalling*, **2020**, 16, 241-249 3.8
- 1 Erectile Dysfunction and the Endothelium **2018**, 629-637