

# Fabiola Zakia MÃ³nica

## List of Publications by Year in descending order

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80  
papers

1,181  
citations

471061

17  
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500791

28  
g-index

81  
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81  
docs citations

81  
times ranked

1287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alpha1-adrenergic antagonists block 6-nitrodopamine contractions on the rat isolated epididymal vas deferens. <i>European Journal of Pharmacology</i> , 2022, 915, 174716.	1.7	11
2	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.	1.3	7
3	Adenosine diphosphate-induced aggregation is enhanced in platelets obtained from patients with thrombotic primary antiphospholipid syndrome (tâ€PAPS): Role of P2Y12â€AMP signaling pathway. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1699-1711.	1.9	3
4	Î²1- and Î²2-adrenergic receptor antagonists block 6-nitrodopamine-induced contractions of the rat isolated epididymal vas deferens. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022, 395, 1257-1268.	1.4	7
5	6-Nitrodopamine is an endogenous selective dopamine receptor antagonist in <i>Chelonoidis carbonaria</i> aorta. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 260, 109403.	1.3	10
6	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.	1.2	6
7	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.	2.1	9
8	The Role of Periprostatic Adipose Tissue on Prostate Function in Vascular-Related Disorders. <i>Frontiers in Pharmacology</i> , 2021, 12, 626155.	1.6	7
9	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.	1.9	4
10	6-Nitrodopamine is released by human umbilical cord vessels and modulates vascular reactivity. <i>Life Sciences</i> , 2021, 276, 119425.	2.0	21
11	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.	0.9	9
12	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.	1.7	14
13	Metformin abrogates the voiding dysfunction induced by prolonged methylglyoxal intake. <i>European Journal of Pharmacology</i> , 2021, 910, 174502.	1.7	6
14	Methylglyoxal Exacerbates Lipopolysaccharide-Induced Acute Lung Injury via RAGE-Induced ROS Generation: Protective Effects of Metformin. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 6477-6489.	1.6	8
15	Electrical field stimulation induces endothelium-dependent contraction of human umbilical cord vessels. <i>Life Sciences</i> , 2020, 243, 117257.	2.0	10
16	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.	2.0	19
17	The basal release of endothelium-derived catecholamines regulates the contractions of <i>Chelonoidis carbonaria</i> aorta caused by electrical-field stimulation. <i>Biology Open</i> , 2020, 10, .	0.6	3
18	Guanosine, a guanine-based nucleoside relaxed isolated corpus cavernosum from mice through cGMP accumulation. <i>Purinergic Signalling</i> , 2020, 16, 241-249.	1.1	1

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19	Endothelium-derived dopamine modulates EFS-induced contractions of human umbilical vessels. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00612.	1.1	11
20	Long-term methylglyoxal intake aggravates murine Th2-mediated airway eosinophil infiltration. <i>International Immunopharmacology</i> , 2020, 81, 106254.	1.7	16
21	Methylglyoxal, a Reactive Glucose Metabolite, Induces Bladder Overactivity in Addition to Inflammation in Mice. <i>Frontiers in Physiology</i> , 2020, 11, 290.	1.3	9
22	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.	1.3	9
23	Mirabegron elicits rat corpus cavernosum relaxation and increases in vivo erectile response. <i>European Journal of Pharmacology</i> , 2019, 858, 172447.	1.7	8
24	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.	1.3	8
25	Tadalafil for the treatment of benign prostatic hyperplasia. <i>Expert Opinion on Pharmacotherapy</i> , 2019, 20, 929-937.	0.9	25
26	Autonomic dysregulation at multiple sites is implicated in age-associated underactive bladder in female mice. <i>Neurourology and Urodynamics</i> , 2019, 38, 1212-1221.	0.8	12
27	Mirabegron, a $\beta_3$ -adrenoceptor agonist reduced platelet aggregation through cyclic adenosine monophosphate accumulation. <i>European Journal of Pharmacology</i> , 2018, 829, 79-84.	1.7	2
28	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.	2.0	12
29	Stimulators and activators of soluble guanylate cyclase for urogenital disorders. <i>Nature Reviews Urology</i> , 2018, 15, 42-54.	1.9	39
30	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.	1.1	9
31	Electrical field stimulation-induced contractions on <i>Pantherophis guttatus</i> corpora cavernosa and aortae. <i>PLoS ONE</i> , 2018, 13, e0196123.	1.1	11
32	Effect of Polyphenols From <i>Campomanesia adamantium</i> on Platelet Aggregation and Inhibition of Cyclooxygenases: Molecular Docking and in Vitro Analysis. <i>Frontiers in Pharmacology</i> , 2018, 9, 617.	1.6	38
33	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.	1.7	9
34	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.	1.3	10
35	Menthol ameliorates voiding dysfunction in types I and II diabetic mouse model. <i>Neurourology and Urodynamics</i> , 2018, 37, 2510-2518.	0.8	7
36	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.	1.3	16

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37	Erectile Dysfunction and the Endothelium. , 2018, , 629-637.		0
38	Long-term treatment with the beta-3 adrenoceptor agonist, mirabegron ameliorates detrusor overactivity and restores cyclic adenosine monophosphate (cAMP) levels in obese mice. Neurourology and Urodynamics, 2017, 36, 1511-1518.	0.8	16
39	Tetrodotoxin-insensitive electrical field stimulation-induced contractions on <i>Crotalus durissus terrificus</i> corpus cavernosum. PLoS ONE, 2017, 12, e0183766.	1.1	7
40	Effects of nitric oxide inhibitors in mice with bladder outlet obstruction. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2017, 43, 356-366.	0.7	6
41	Activation of soluble guanylyl cyclase by BAY 58-2667 improves bladder function in cyclophosphamide-induced cystitis in mice. American Journal of Physiology - Renal Physiology, 2016, 311, F85-F93.	1.3	28
42	Soluble Guanylate Cyclase Modulators, BAY 41-2272 and BAY 60-2770, Inhibit Human and Rabbit Prostate Contractility. Urology, 2016, 94, 312.e9-312.e15.	0.5	8
43	The Endothelium-Dependent Nitric Oxide-cGMP Pathway. Advances in Pharmacology, 2016, 77, 1-27.	1.2	71
44	Epigenetic regulation of soluble guanylate cyclase (sGC) $\beta$ 1 in breast cancer cells. FASEB Journal, 2016, 30, 3171-3180.	0.2	11
45	Mirabegron relaxes urethral smooth muscle by a dual mechanism involving $\beta$ 3-adrenoceptor activation and $\beta$ 1-adrenoceptor blockade. British Journal of Pharmacology, 2016, 173, 415-428.	2.7	63
46	Hydrochlorothiazide Potentiates Contractile Activity of Mouse Cavernosal Smooth Muscle. Sexual Medicine, 2016, 4, e115-e125.	0.9	2
47	Pharmacological characterisation of the relaxation induced by the soluble guanylate cyclase activator, BAY 60-2770 in rabbit corpus cavernosum. BJU International, 2015, 116, 657-664.	1.3	22
48	The beta-3 adrenoceptor agonist, mirabegron relaxes isolated prostate from human and rabbit: New therapeutic indication?. Prostate, 2015, 75, 440-447.	1.2	33
49	Increased Rho-kinase-mediated prostate contractions associated with impairment of $\beta$ 2-adrenergic-cAMP-signaling pathway by chronic nitric oxide deficiency. European Journal of Pharmacology, 2015, 758, 24-30.	1.7	10
50	Urinary Bladder Dysfunction in Transgenic Sickle Cell Disease Mice. PLoS ONE, 2015, 10, e0133996.	1.1	12
51	Prolonged Therapy with the Soluble Guanylyl Cyclase Activator BAY 60-2770 Restores the Erectile Function in Obese Mice. Journal of Sexual Medicine, 2014, 11, 2661-2670.	0.3	19
52	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. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 2-9.	1.3	34
53	The Soluble Guanylyl Cyclase Activator BAY 60-2770 Ameliorates Overactive Bladder in Obese Mice. Journal of Urology, 2014, 191, 539-547.	0.2	35
54	BAY 41-2272, a Soluble Guanylate Cyclase Stimulator, Relaxes Isolated Human Ureter in a Standardized In Vitro Model. Urology, 2014, 83, 256.e1-256.e7.	0.5	3

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55	Blockade of renin-angiotensin system prevents micturition dysfunction in renovascular hypertensive rats. <i>European Journal of Pharmacology</i> , 2014, 738, 285-292.	1.7	7
56	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, 489-494.	0.6	15
57	The soluble guanylyl cyclase activator BAY 60-2770 ameliorates detrusor dysfunction in obese mice. <i>BMC Pharmacology &amp; Toxicology</i> , 2013, 14, .	1.0	0
58	The renin-angiotensin system plays a major role in voiding dysfunction of ovariectomized rats. <i>Life Sciences</i> , 2013, 93, 820-829.	2.0	12
59	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, 960-971.	0.3	43
60	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.	1.1	10
61	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, 2259-2273.	1.3	35
62	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, 268-275.	0.7	7
63	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, 433-439.	1.3	8
64	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.	1.1	29
65	Role of PKC and CaV1.2 in Detrusor Overactivity in a Model of Obesity Associated with Insulin Resistance in Mice. <i>PLoS ONE</i> , 2012, 7, e48507.	1.1	29
66	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.	1.7	10
67	2055 MECHANISMS OF RELAXANT ACTIVITY OF THE NITRIC OXIDE-INDEPENDENT SOLUBLE GUANYLYL CYCLASE STIMULATOR BAY 41-2272 IN ISOLATED HUMAN URETER: AN IN VITRO STUDY. <i>Journal of Urology</i> , 2011, 185, .	0.2	0
68	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, 116-122.	1.3	15
69	Functional, morphological and molecular characterization of bladder dysfunction in streptozotocin-induced diabetic mice: evidence of a role for L-type voltage-operated Ca <sup>2+</sup> channels. <i>British Journal of Pharmacology</i> , 2011, 163, 1276-1288.	2.7	49
70	Role of a Novel Tetrodotoxin-Resistant Sodium Channel in the Nitrgergic Relaxation of Corpus Cavernosum from the South American Rattlesnake <i>Crotalus Durissus Terrificus</i> . <i>Journal of Sexual Medicine</i> , 2011, 8, 1616-1625.	0.3	12
71	The cholinergic response is increased in isolated ileum from gastroschisis rat model. <i>Pediatric Surgery International</i> , 2011, 27, 1015-1019.	0.6	5
72	Long-term administration of BAY 41-2272 prevents bladder dysfunction in nitric oxide-deficient rats. <i>Neurourology and Urodynamics</i> , 2011, 30, 456-460.	0.8	16

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73	Characterization of the urinary bladder dysfunction in renovascular hypertensive rats. <i>Neurourology and Urodynamics</i> , 2011, 30, 1392-1402.	0.8	13
74	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, 171-177.	1.7	22
75	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, 158-164.	1.7	13
76	Administration of BAY 41-2272 prevents bladder dysfunction in nitric-oxide deficient rats. <i>Einstein (Sao J ETQq0 0,0,rgBT /Qverlock 10</i>	0.3	1
77	440 LONG-TERM ADMINISTRATION OF THE NITRIC OXIDE-INDEPENDENT SOLUBLE GUANYLATE CYCLASE ACTIVATOR BAY PREVENTS RAT DETRUSOR OVERACTIVITY. <i>Journal of Urology</i> , 2010, 183, .	0.2	0
78	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, 1659-1668.	2.7	44
79	NEW BASIC PATHOPHYSIOLOGY PARADIGM TO EXPLAIN THE ETIOLOGY OF LOWER URINARY TRACT SYMPTOMS AND THE POTENTIAL OF PDE5 INHIBITORS FOR TREATMENT OF VOID DYSFUNCTION. <i>Journal of Urology</i> , 2008, 179, 702-702.	0.2	0
80	MK 571, a multidrug resistance protein inhibitor, reduces uterus smooth muscle contractility in rats. , 0, , .		0