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List of Publications by Year in Descending Order

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	Enhanced RAGE Expression and Excess Reactive-Oxygen Species Production Mediates Rho Kinase-Dependent Detrusor Overactivity After Methylglyoxal Exposure.. *Frontiers in Physiology*, **2022**, 13, 860342	4.6	1
72	The basal release of endothelium-derived catecholamines regulates the contractions of aorta caused by electrical-field stimulation. *Biology Open*, **2021**, 10,	2.2	1
71	Alpha1-adrenergic antagonists block 6-nitrodopamine contractions on the rat isolated epididymal vas deferens.. *European Journal of Pharmacology*, **2021**, 915, 174716	5.3	1
70	Methylglyoxal Exacerbates Lipopolysaccharide-Induced Acute Lung Injury via RAGE-Induced ROS Generation: Protective Effects of Metformin. *Journal of Inflammation Research*, **2021**, 14, 6477-6489	4.8	1
69	Deficiency of ARHGAP21 alters megakaryocytic cell lineage responses and enhances platelet hemostatic function. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2021**, 1868, 119012	4.9	1
68	6-Nitrodopamine is released by human umbilical cord vessels and modulates vascular reactivity. *Life Sciences*, **2021**, 276, 119425	6.8	2
67	Preserved activity of soluble guanylate cyclase (sGC) in iliac artery from middle-aged rats: Role of sGC modulators. *Nitric Oxide - Biology and Chemistry*, **2021**, 106, 9-16	5	1
66	Rutin present in Alibertia edulis extract acts on human platelet aggregation through inhibition of cyclooxygenase/thromboxane. *Food and Function*, **2021**, 12, 802-814	6.1	3
65	The Role of Periprostatic Adipose Tissue on Prostate Function in Vascular-Related Disorders. *Frontiers in Pharmacology*, **2021**, 12, 626155	5.6	4
64	The effects of mirabegron on obesity-induced inflammation and insulin resistance are associated with brown adipose tissue activation but not beiging in the subcutaneous white adipose tissue. *Clinical and Experimental Pharmacology and Physiology*, **2021**, 48, 1477-1487	3	3
63	6-Nitrodopamine is an endogenous mediator of rat isolated epididymal vas deferens contractions induced by electric-field stimulation. *European Journal of Pharmacology*, **2021**, 911, 174544	5.3	2
62	Metformin abrogates the voiding dysfunction induced by prolonged methylglyoxal intake. *European Journal of Pharmacology*, **2021**, 910, 174502	5.3	2
61	Guanosine, a guanine-based nucleoside relaxed isolated corpus cavernosum from mice through cGMP accumulation. *Purinergic Signalling*, **2020**, 16, 241-249	3.8	
60	Endothelium-derived dopamine modulates EFS-induced contractions of human umbilical vessels. *Pharmacology Research and Perspectives*, **2020**, 8, e00612	3.1	5
59	Long-term methylglyoxal intake aggravates murine Th2-mediated airway eosinophil infiltration. *International Immunopharmacology*, **2020**, 81, 106254	5.8	9
58	Electrical field stimulation induces endothelium-dependent contraction of human umbilical cord vessels. *Life Sciences*, **2020**, 243, 117257	6.8	7
57	The sodium-glucose cotransporter-2 (SGLT2) inhibitors synergize with nitric oxide and prostacyclin to reduce human platelet activation. *Biochemical Pharmacology*, **2020**, 182, 114276	6	6

56	Methylglyoxal, a Reactive Glucose Metabolite, Induces Bladder Overactivity in Addition to Inflammation in Mice. *Frontiers in Physiology*, **2020**, 11, 290	4.6	4
55	Endothelium modulates electrical field stimulation-induced contractions of Chelonoidis carbonaria aortic rings. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2020**, 233, 108763	3.2	4
54	Mirabegron elicits rat corpus cavernosum relaxation and increases in vivo erectile response. *European Journal of Pharmacology*, **2019**, 858, 172447	5.3	5
53	Pharmacological and transcriptomic characterization of the nitric oxide pathway in aortic rings isolated from the tortoise Chelonoidis carbonaria. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2019**, 222, 82-89	3.2	6
52	Tadalafil for the treatment of benign prostatic hyperplasia. *Expert Opinion on Pharmacotherapy*, **2019**, 20, 929-937	4	12
51	Autonomic dysregulation at multiple sites is implicated in age-associated underactive bladder in female mice. *Neurourology and Urodynamics*, **2019**, 38, 1212-1221	2.3	9
50	Mirabegron, a □adrenoceptor agonist reduced platelet aggregation through cyclic adenosine monophosphate accumulation. *European Journal of Pharmacology*, **2018**, 829, 79-84	5.3	2
49	Activation of soluble guanylyl cyclase with inhibition of multidrug resistance protein inhibitor-4 (MRP4) as a new antiplatelet therapy. *Biochemical Pharmacology*, **2018**, 152, 165-173	6	8
48	Effect of Polyphenols From on Platelet Aggregation and Inhibition of Cyclooxygenases: Molecular Docking and Analysis. *Frontiers in Pharmacology*, **2018**, 9, 617	5.6	14
47	Influence of the periprostatic adipose tissue in obesity-associated mouse urethral dysfunction and oxidative stress: Effect of resveratrol treatment. *European Journal of Pharmacology*, **2018**, 836, 25-33	5.3	7
46	Inhibition of Multidrug Resistance Proteins by MK 571 Enhances Bladder, Prostate, and Urethra Relaxation through cAMP or cGMP Accumulation. *Journal of Pharmacology and Experimental Therapeutics*, **2018**, 367, 138-146	4.7	7
45	Menthol ameliorates voiding dysfunction in types I and II diabetic mouse model. *Neurourology and Urodynamics*, **2018**, 37, 2510-2518	2.3	7
44	Deletion or pharmacological blockade of TLR4 confers protection against cyclophosphamide-induced mouse cystitis. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F460-F468	4.3	11
43	Erectile Dysfunction and the Endothelium **2018**, 629-637		
42	Stimulators and activators of soluble guanylate cyclase for urogenital disorders. *Nature Reviews Urology*, **2018**, 15, 42-54	5.5	21
41	Electrical field-induced contractions on Crotalus durissus terrificus and Bothrops jararaca aortae are caused by endothelium-derived catecholamine. *PLoS ONE*, **2018**, 13, e0203573	3.7	7
40	Electrical field stimulation-induced contractions on Pantherophis guttatus corpora cavernosa and aortae. *PLoS ONE*, **2018**, 13, e0196123	3.7	9
39	Tetrodotoxin-insensitive electrical field stimulation-induced contractions on Crotalus durissus terrificus corpus cavernosum. *PLoS ONE*, **2017**, 12, e0183766	3.7	4

38	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	2	3
37	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	2.3	15
36	Epigenetic regulation of soluble guanylate cyclase (sGC) ? in breast cancer cells. *FASEB Journal*, **2016**, 30, 3171-80	0.9	8
35	Mirabegron relaxes urethral smooth muscle by a dual mechanism involving ? -adrenoceptor activation and ? -adrenoceptor blockade. *British Journal of Pharmacology*, **2016**, 173, 415-28	8.6	44
34	Hydrochlorothiazide Potentiates Contractile Activity of Mouse Cavernosal Smooth Muscle. *Sexual Medicine*, **2016**, 4, e113-23	2.7	2
33	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, F85-93	4.3	15
32	Soluble Guanylate Cyclase Modulators, BAY 41-2272 and BAY 60-2770, Inhibit Human and Rabbit Prostate Contractility. *Urology*, **2016**, 94, 312.e9-312.e15	1.6	4
31	The Endothelium-Dependent Nitric Oxide-cGMP Pathway. *Advances in Pharmacology*, **2016**, 77, 1-27	5.7	45
30	Increased Rho-kinase-mediated prostate contractions associated with impairment of ?adrenergic-cAMP-signaling pathway by chronic nitric oxide deficiency. *European Journal of Pharmacology*, **2015**, 758, 24-30	5.3	7
29	Pharmacological characterisation of the relaxation induced by the soluble guanylate cyclase activator, BAY 60-2770 in rabbit corpus cavernosum. *BJU International*, **2015**, 116, 657-64	5.6	19
28	The beta-3 adrenoceptor agonist, mirabegron relaxes isolated prostate from human and rabbit: new therapeutic indication?. *Prostate*, **2015**, 75, 440-7	4.2	24
27	Urinary Bladder Dysfunction in Transgenic Sickle Cell Disease Mice. *PLoS ONE*, **2015**, 10, e0133996	3.7	10
26	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	4.7	30
25	The soluble guanylyl cyclase activator BAY 60-2770 ameliorates overactive bladder in obese mice. *Journal of Urology*, **2014**, 191, 539-47	2.5	26
24	BAY 41-2272, a soluble guanylate cyclase stimulator, relaxes isolated human ureter in a standardized in vitro model. *Urology*, **2014**, 83, 256.e1-7	1.6	3
23	Blockade of renin-angiotensin system prevents micturition dysfunction in renovascular hypertensive rats. *European Journal of Pharmacology*, **2014**, 738, 285-92	5.3	6
22	Prolonged therapy with the soluble guanylyl cyclase activator BAY 60-2770 restores the erectile function in obese mice. *Journal of Sexual Medicine*, **2014**, 11, 2661-70	1.1	13
21	Increased contractility and impaired relaxation of the left pulmonary artery in a rabbit model of congenital diaphragmatic hernia. *Pediatric Surgery International*, **2013**, 29, 489-94	2.1	11

20	The soluble guanylyl cyclase activator BAY 60-2770 ameliorates detrusor dysfunction in obese mice. *BMC Pharmacology & Toxicology*, **2013**, 14,	2.6	78
19	The renin-angiotensin system plays a major role in voiding dysfunction of ovariectomized rats. *Life Sciences*, **2013**, 93, 820-9	6.8	10
18	Superoxide anion production by NADPH oxidase plays a major role in erectile dysfunction in middle-aged rats: prevention by antioxidant therapy. *Journal of Sexual Medicine*, **2013**, 10, 960-71	1.1	35
17	The Evolutionary Implications of Hemipenial Morphology of Rattlesnake Crotalus durissus terrificus (Laurent, 1768) (Serpentes: Viperidae: Crotalinae). *PLoS ONE*, **2013**, 8, e66903	3.7	6
16	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. *Journal of Physiology*, **2013**, 591, 2259-73	3.9	25
15	Effect of acute administration of sildenafil to rats with detrusor overactivity induced by chronic deficiency of nitric oxide. *International Braz J Urol: Official Journal of the Brazilian Society of Urology* , **2013**, 39, 268-75	2	6
14	Vas deferens smooth muscle responses to the nitric oxide-independent soluble guanylate cyclase stimulator BAY 41-2272. *European Journal of Pharmacology*, **2012**, 688, 49-55	5.3	7
13	Immunohistochemical and functional characterization of nitric oxide signaling pathway in isolated aorta from Crotalus durissus terrificus. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2012**, 155, 433-9	3.2	7
12	Activation of haem-oxidized soluble guanylyl cyclase with BAY 60-2770 in human platelets lead to overstimulation of the cyclic GMP signaling pathway. *PLoS ONE*, **2012**, 7, e47223	3.7	27
11	Role of PKC and CaV1.2 in detrusor overactivity in a model of obesity associated with insulin resistance in mice. *PLoS ONE*, **2012**, 7, e48507	3.7	25
10	Long-term oral treatment with BAY 41-2272 ameliorates impaired corpus cavernosum relaxations in a nitric oxide-deficient rat model. *BJU International*, **2011**, 108, 116-22	5.6	14
9	Functional, morphological and molecular characterization of bladder dysfunction in streptozotocin-induced diabetic mice: evidence of a role for L-type voltage-operated Ca2+ channels. *British Journal of Pharmacology*, **2011**, 163, 1276-88	8.6	41
8	Role of a novel tetrodotoxin-resistant sodium channel in the nitrergic relaxation of corpus cavernosum from the South American rattlesnake Crotalus durissus terrificus. *Journal of Sexual Medicine*, **2011**, 8, 1616-25	1.1	10
7	The cholinergic response is increased in isolated ileum from gastroschisis rat model. *Pediatric Surgery International*, **2011**, 27, 1015-9	2.1	3
6	Long-term administration of BAY 41-2272 prevents bladder dysfunction in nitric oxide-deficient rats. *Neurourology and Urodynamics*, **2011**, 30, 456-60	2.3	16
5	Characterization of the urinary bladder dysfunction in renovascular hypertensive rats. *Neurourology and Urodynamics*, **2011**, 30, 1392-402	2.3	10
4	Administration of BAY 41-2272 prevents bladder dysfunction in nitric-oxide deficient rats. *Einstein (Sao Paulo, Brazil)*, **2010**, 8, 404-9	1.2	1
3	Evaluation of the relaxant effect of the nitric oxide-independent soluble guanylyl cyclase stimulator BAY 41-2272 in isolated detrusor smooth muscle. *European Journal of Pharmacology*, **2010**, 637, 171-7	5.3	19

2	Mechanisms of relaxant activity of the nitric oxide-independent soluble guanylyl cyclase stimulator BAY 41-2272 in rat tracheal smooth muscle. *European Journal of Pharmacology*, **2010**, 645, 158-64	5.3	13
1	Long-term nitric oxide deficiency causes muscarinic supersensitivity and reduces beta(3)-adrenoceptor-mediated relaxation, causing rat detrusor overactivity. *British Journal of Pharmacology*, **2008**, 153, 1659-68	8.6	39