

Roberta Demmanuele Di Villa Bianca

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49
papers

1,427
citations

20
h-index

37
g-index

51
ext. papers

1,648
ext. citations

6.4
avg, IF

4.07
L-index

#	Paper	IF	Citations
49	Dry powders based on PLGA nanoparticles for pulmonary delivery of antibiotics: modulation of encapsulation efficiency, release rate and lung deposition pattern by hydrophilic polymers. <i>Journal of Controlled Release</i> , 2012 , 157, 149-59	11.7	204
48	Hydrogen sulfide as a mediator of human corpus cavernosum smooth-muscle relaxation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4513-8	11.5	153
47	Insulin-loaded PLGA/cyclodextrin large porous particles with improved aerosolization properties: in vivo deposition and hypoglycaemic activity after delivery to rat lungs. <i>Journal of Controlled Release</i> , 2009 , 135, 25-34	11.7	141
46	Sildenafil effect on the human bladder involves the L-cysteine/hydrogen sulfide pathway: a novel mechanism of action of phosphodiesterase type 5 inhibitors. <i>European Urology</i> , 2012 , 62, 1174-80	10.2	58
45	5-FU targets rpL3 to induce mitochondrial apoptosis via cystathionine- β -synthase in colon cancer cells lacking p53. <i>Oncotarget</i> , 2016 , 7, 50333-50348	3.3	58
44	Involvement of beta 3-adrenergic receptor activation via cyclic GMP- but not NO-dependent mechanisms in human corpus cavernosum function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5531-6	11.5	50
43	Hydrogen sulphide pathway contributes to the enhanced human platelet aggregation in hyperhomocysteinemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15812-7	11.5	49
42	Toward Repositioning Niclosamide for Antivirulence Therapy of Pseudomonas aeruginosa Lung Infections: Development of Inhalable Formulations through Nanosuspension Technology. <i>Molecular Pharmaceutics</i> , 2015 , 12, 2604-17	5.6	48
41	Hydrogen sulfide-induced dual vascular effect involves arachidonic acid cascade in rat mesenteric arterial bed. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 337, 59-64	4.7	46
40	Hydrogen sulfide is involved in dexamethasone-induced hypertension in rat. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 46, 80-6	5	40
39	Hydrogen sulfide and erectile function: a novel therapeutic target. <i>Nature Reviews Urology</i> , 2011 , 8, 286-95	9.5	36
38	Cystathionine β -lyase, a H ₂ S-generating enzyme, is a GPBAR1-regulated gene and contributes to vasodilation caused by secondary bile acids. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H114-26	5.2	35
37	Synthesis by microwave irradiation of a substituted benzoxazine parallel library with preferential relaxant activity for guinea pig trachealis. <i>European Journal of Medicinal Chemistry</i> , 2004 , 39, 815-26	6.8	33
36	Urothelium muscarinic activation phosphorylates CBS(Ser227) via cGMP/PKG pathway causing human bladder relaxation through H ₂ S production. <i>Scientific Reports</i> , 2016 , 6, 31491	4.9	32
35	N-Palmitoylethanolamide protects the kidney from hypertensive injury in spontaneously hypertensive rats via inhibition of oxidative stress. <i>Pharmacological Research</i> , 2013 , 76, 67-76	10.2	29
34	Mercaptopyruvate acts as endogenous vasodilator independently of 3-mercaptopyruvate sulfurtransferase activity. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 75, 53-59	5	27
33	In vitro/in vivo investigation on the potential of Pluronic \square mixed micelles for pulmonary drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 130, 30-38	5.7	27

32	Crucial role of androgen receptor in vascular H ₂ S biosynthesis induced by testosterone. <i>British Journal of Pharmacology</i> , 2015 , 172, 1505-15	8.6	21
31	Hydrogen sulfide compensates nitric oxide deficiency in murine corpus cavernosum. <i>Pharmacological Research</i> , 2016 , 113, 38-43	10.2	20
30	BPH/LUTS and ED: common pharmacological pathways for a common treatment. <i>Journal of Sexual Medicine</i> , 2013 , 10, 2382-93	1.1	20
29	Hydrogen sulphide induces mouse paw oedema through activation of phospholipase A ₂ . <i>British Journal of Pharmacology</i> , 2010 , 161, 1835-42	8.6	20
28	Dexamethasone improves vascular hyporeactivity induced by LPS in vivo by modulating ATP-sensitive potassium channels activity. <i>British Journal of Pharmacology</i> , 2003 , 140, 91-6	8.6	20
27	Human Cystathionine- β -Synthase Phosphorylation on Serine227 Modulates Hydrogen Sulfide Production in Human Urothelium. <i>PLoS ONE</i> , 2015 , 10, e0136859	3.7	20
26	Development of inhalable hyaluronan/mannitol composite dry powders for flucytosine repositioning in local therapy of lung infections. <i>Journal of Controlled Release</i> , 2016 , 238, 80-91	11.7	20
25	Pharmacology and perspectives in erectile dysfunction in man. <i>Pharmacology & Therapeutics</i> , 2020 , 208, 107493	13.9	17
24	Maternal adaptation in pregnant hypertensive rats: improvement of vascular and inflammatory variables and oxidative damage in the kidney. <i>American Journal of Hypertension</i> , 2009 , 22, 777-83	2.3	16
23	Hydrogen Sulfide and Urogenital Tract. <i>Handbook of Experimental Pharmacology</i> , 2015 , 230, 111-36	3.2	15
22	A decoy oligonucleotide to NF- κ B delivered through inhalable particles prevents LPS-induced rat airway inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 49, 288-95	5.7	15
21	Platelet cyclic guanosine monophosphate as a biomarker of phosphodiesterase type 5 inhibitor efficacy in the treatment of erectile dysfunction: a randomized placebo-controlled study. <i>European Urology</i> , 2009 , 56, 1067-73	10.2	15
20	The Role of the Hydrogen Sulfide Pathway in Male and Female Urogenital System in Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 654-668	8.4	13
19	Improvement of gliquidone hypoglycaemic effect in rats by cyclodextrin formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2004 , 23, 57-64	5.1	12
18	Endogenous urotensin II selectively modulates erectile function through eNOS. <i>PLoS ONE</i> , 2012 , 7, e31039	3.9	12
17	β adrenergic receptor activation relaxes human corpus cavernosum and penile artery through a hydrogen sulfide/cGMP-dependent mechanism. <i>Pharmacological Research</i> , 2017 , 124, 100-104	10.2	11
16	Urotensin II: a novel target in human corpus cavernosum. <i>Journal of Sexual Medicine</i> , 2010 , 7, 1778-86	1.1	11
15	Large Porous Particles for Sustained Release of a Decoy Oligonucleotide and Poly(ethylenimine): Potential for Combined Therapy of Chronic <i>Pseudomonas aeruginosa</i> Lung Infections. <i>Biomacromolecules</i> , 2016 , 17, 1561-71	6.9	10

14	Functional Selectivity Revealed by N-Methylation Scanning of Human Urotensin II and Related Peptides. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 1455-1467	8.3	10
13	An ex vivo standardized assay to measure human platelet cGMP. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011 , 64, 164-7	1.7	9
12	Palmitoylethanolamide treatment reduces blood pressure in spontaneously hypertensive rats: involvement of cytochrome p450-derived eicosanoids and renin angiotensin system. <i>PLoS ONE</i> , 2015 , 10, e0123602	3.7	7
11	Dexamethasone modulates hypotension induced by opioids in anaesthetised rats. <i>European Journal of Pharmacology</i> , 2001 , 430, 79-85	5.3	7
10	L-cysteine/cystathionine- β -synthase-induced relaxation in mouse aorta involves a L-serine/sphingosine-1-phosphate/NO pathway. <i>British Journal of Pharmacology</i> , 2020 , 177, 734-744	8.6	7
9	A new original nutraceutical formulation ameliorates the effect of Tadalafil on clinical score and cGMP accumulation. <i>Archivio Italiano Di Urologia Andrologia</i> , 2021 , 93, 221-226	1.6	6
8	Immune and Nervous Systems Interaction in Endocrine Disruptors Toxicity: The Case of Atrazine.. <i>Frontiers in Toxicology</i> , 2021 , 3, 649024	1.6	6
7	Phenotypic modifications of vascular smooth muscle cells could be responsible for vascular hyporeactivity to contracting agent in mechanically injured rat carotid artery. <i>Atherosclerosis</i> , 2005 , 183, 213-21	3.1	5
6	Uterine Dysfunction in Diabetic Mice: The Role of Hydrogen Sulfide. <i>Antioxidants</i> , 2020 , 9,	7.1	4
5	Involvement of 3 α 5 α cyclic inosine monophosphate in cystathionine β lyase-dependent regulation of the vascular tone. <i>British Journal of Pharmacology</i> , 2021 , 178, 3765-3782	8.6	4
4	Cloricromene in endotoxemia: role of NF-kappaB. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 370, 140-5	3.4	3
3	Intra-tracheal administration increases gallium availability in lung: implications for antibacterial chemotherapy. <i>Pharmacological Research</i> , 2021 , 170, 105698	10.2	2
2	OS064. Contribute of the L-cysteine/ H2S pathway in placenta homeostasis in hypertensive disorders. <i>Pregnancy Hypertension</i> , 2012 , 2, 211-2	2.6	1
1	Phosphodiesterases S-sulphydration contributes to human skeletal muscle function.. <i>Pharmacological Research</i> , 2022 , 177, 106108	10.2	1