Roberta D'emmanuele Di Villa Bianca

List of Publications by Year
in descending order

51 papers	1,837 citations	279701 23 h-index	276775 41 g-index
51 all docs	51 docs citations	51 times ranked	2669 citing authors

#	Article	IF	Citations
1	Dry powders based on PLGA nanoparticles for pulmonary delivery of antibiotics: Modulation of encapsulation efficiency, release rate and lung deposition pattern by hydrophilic polymers. Journal of Controlled Release, 2012, 157, 149-159.	4.8	240
2	Hydrogen sulfide as a mediator of human corpus cavernosum smooth-muscle relaxation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4513-4518.	3.3	181
3	Insulin-loaded PLGA/cyclodextrin large porous particles with improved aerosolization properties: In vivo deposition and hypoglycaemic activity after delivery to rat lungs. Journal of Controlled Release, 2009, 135, 25-34.	4.8	158
4	5-FU targets rpL3 to induce mitochondrial apoptosis via cystathionine-Î²-synthase in colon cancer cells lacking p53. Oncotarget, 2016, 7, 50333-50348.	0.8	74
5	Sildenafil Effect on the Human Bladder Involves the L-cysteine/Hydrogen Sulfide Pathway: A Novel Mechanism of Action of Phosphodiesterase Type 5 Inhibitors. European Urology, 2012, 62, 1174-1180.	0.9	69
6	Toward Repositioning Niclosamide for Antivirulence Therapy of Pseudomonas aeruginosa Lung Infections: Development of Inhalable Formulations through Nanosuspension Technology. Molecular Pharmaceutics, 2015, 12, 2604-2617.	2.3	64
7	Hydrogen Sulfide-Induced Dual Vascular Effect Involves Arachidonic Acid Cascade in Rat Mesenteric Arterial Bed. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 59-64.	1.3	61
8	Involvement of Â3-adrenergic receptor activation via cyclic GMP- but not NO-dependent mechanisms in human corpus cavernosum function. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5531-5536.	3.3	59
9	Pharmacology and perspectives in erectile dysfunction in man. , 2020, 208, 107493.		55
10	Hydrogen sulphide pathway contributes to the enhanced human platelet aggregation in hyperhomocysteinemia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15812-15817.	3.3	52
11	Hydrogen sulfide is involved in dexamethasone-induced hypertension in rat. Nitric Oxide - Biology and Chemistry, 2015, 46, 80-86.	1.2	48
12	Cystathionine Î³-lyase, a H₂S-generating enzyme, is a GPBAR1-regulated gene and contributes to vasodilation caused by secondary bile acids. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H114-H126.	1.5	45
13	In vitro/in vivo investigation on the potential of PluronicÂ® mixed micelles for pulmonary drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 30-38.	2.0	43
14	N-Palmitoylethanolamide protects the kidney from hypertensive injury in spontaneously hypertensive rats via inhibition of oxidative stress. Pharmacological Research, 2013, 76, 67-76.	3.1	41
15	Hydrogen sulfide and erectile function: a novel therapeutic target. Nature Reviews Urology, 2011, 8, 286-289.	1.9	40
16	Synthesis by microwave irradiation of a substituted benzoxazine parallel library with preferential relaxant activity for guinea pig trachealis. European Journal of Medicinal Chemistry, 2004, 39, 815-826.	2.6	38
17	Mercaptopyruvate acts as endogenous vasodilator independently of 3-mercaptopyruvate sulfurtransferase activity. Nitric Oxide - Biology and Chemistry, 2018, 75, 53-59.	1.2	37
18	Urothelium muscarinic activation phosphorylates CBSSer227 via cGMP/PKG pathway causing human bladder relaxation through H2S production. Scientific Reports, 2016, 6, 31491.	1.6	36

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19	Development of inhalable hyaluronan/mannitol composite dry powders for flucytosine repositioning in local therapy of lung infections. Journal of Controlled Release, 2016, 238, 80-91.	4.8	30
20	Immune and Nervous Systems Interaction in Endocrine Disruptors Toxicity: The Case of Atrazine. Frontiers in Toxicology, 2021, 3, 649024.	1.6	29
21	Crucial role of androgen receptor in vascular <scp>H₂S</scp> biosynthesis induced by testosterone. British Journal of Pharmacology, 2015, 172, 1505-1515.	2.7	28
22	Dexamethasone improves vascular hyporeactivity induced by LPS in vivo by modulating ATP-sensitive potassium channels activity. British Journal of Pharmacology, 2003, 140, 91-96.	2.7	26
23	Hydrogen sulphide induces mouse paw oedema through activation of phospholipase A₂. British Journal of Pharmacology, 2010, 161, 1835-1842.	2.7	25
24	Hydrogen sulfide compensates nitric oxide deficiency in murine corpus cavernosum. Pharmacological Research, 2016, 113, 38-43.	3.1	25
25	BPH/LUTS and ED: Common Pharmacological Pathways for a Common Treatment. Journal of Sexual Medicine, 2013, 10, 2382-2393.	0.3	22
26	A new original nutraceutical formulation ameliorates the effect of Tadalafil on clinical score and cGMP accumulation. Archivio Italiano Di Urologia Andrologia, 2021, 93, 221-226.	0.4	22
27	Human Cystathionine-Î²-Synthase Phosphorylation on Serine227 Modulates Hydrogen Sulfide Production in Human Urothelium. PLoS ONE, 2015, 10, e0136859.	1.1	22
28	The Role of the Hydrogen Sulfide Pathway in Male and Female Urogenital System in Health and Disease. Antioxidants and Redox Signaling, 2017, 27, 654-668.	2.5	19
29	Platelet Cyclic Guanosine Monophosphate as a Biomarker of Phosphodiesterase Type 5 Inhibitor Efficacy in the Treatment of Erectile Dysfunction: A Randomized Placebo-Controlled Study. European Urology, 2009, 56, 1067-1073.	0.9	18
30	Functional Selectivity Revealed by N-Methylation Scanning of Human Urotensin II and Related Peptides. Journal of Medicinal Chemistry, 2019, 62, 1455-1467.	2.9	18
31	Hydrogen Sulfide and Urogenital Tract. Handbook of Experimental Pharmacology, 2015, 230, 111-136.	0.9	17
32	Lâ€cysteine/cystathionineâ€Î²â€synthaseâ€induced relaxation in mouse aorta involves a Lâ€serine/sphingosineâ€1â€phosphate/NO pathway. British Journal of Pharmacology, 2020, 177, 734-744.	2.7	17
33	Maternal Adaptation in Pregnant Hypertensive Rats: Improvement of Vascular and Inflammatory Variables and Oxidative Damage in the Kidney. American Journal of Hypertension, 2009, 22, 777-783.	1.0	16
34	A Decoy Oligonucleotide to NF-ÎºB Delivered through Inhalable Particles Prevents LPS-Induced Rat Airway Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 288-295.	1.4	15
35	Large Porous Particles for Sustained Release of a Decoy Oligonucelotide and Poly(ethylenimine): Potential for Combined Therapy of Chronic Pseudomonas aeruginosa Lung Infections. Biomacromolecules, 2016, 17, 1561-1571.	2.6	15
36	Î² 3 adrenergic receptor activation relaxes human corpus cavernosum and penile artery through a hydrogen sulfide/cGMP-dependent mechanism. Pharmacological Research, 2017, 124, 100-104.	3.1	15

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37	Improvement of gliquidone hypoglycaemic effect in rats by cyclodextrin formulations. European Journal of Pharmaceutical Sciences, 2004, 23, 57-64.	1.9	14
38	Endogenous Urotensin II Selectively Modulates Erectile Function through eNOS. PLoS ONE, 2012, 7, e31019.	1.1	14
39	Urotensin II: A Novel Target in Human Corpus Cavernosum. Journal of Sexual Medicine, 2010, 7, 1778-1786.	0.3	12
40	Involvement of 3â€²,5â€²â€cyclic inosine monophosphate in cystathionine Î³â€lyaseâ€dependent regulation of the vascular tone. British Journal of Pharmacology, 2021, 178, 3765-3782.	2.7	12
41	Palmitoylethanolamide Treatment Reduces Blood Pressure in Spontaneously Hypertensive Rats: Involvement of Cytochrome P450-Derived Eicosanoids and Renin Angiotensin System. PLoS ONE, 2015, 10, e0123602.	1.1	10
42	An ex vivo standardized assay to measure human platelet cGMP. Journal of Pharmacological and Toxicological Methods, 2011, 64, 164-167.	0.3	9
43	Dexamethasone modulates hypotension induced by opioids in anaesthetised rats. European Journal of Pharmacology, 2001, 430, 79-85.	1.7	8
44	Phosphodiesterases S-sulfhydration contributes to human skeletal muscle function.. Pharmacological Research, 2022, 177, 106108.	3.1	8
45	Intra-tracheal administration increases gallium availability in lung: implications for antibacterial chemotherapy. Pharmacological Research, 2021, 170, 105698.	3.1	7
46	Uterine Dysfunction in Diabetic Mice: The Role of Hydrogen Sulfide. Antioxidants, 2020, 9, 917.	2.2	6
47	Phenotypic modifications of vascular smooth muscle cells could be responsible for vascular hyporeactivity to contracting agent in mechanically injured rat carotid artery. Atherosclerosis, 2005, 183, 213-221.	0.4	5
48	The Role of Perivascular Adipose Tissue-Derived Hydrogen Sulfide in the Control of Vascular Homeostasis. Antioxidants and Redox Signaling, 2022, 37, 84-97.	2.5	5
49	Cloricromene in endotoxemia: role of NF-ÎºB. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 370, 140-145.	1.4	4
50	OS064. Contribute of the L-cysteine/ H2S pathway in placenta homeostasisin hypertensive disorders. Pregnancy Hypertension, 2012, 2, 211-212.	0.6	3
51	Editorial: Role of Blood Cells in Inflammatory and Vascular Disorders. Frontiers in Pharmacology, 2020, 11, 585705.	1.6	0