Mariarosaria Bucci

List of Publications by Year
in descending order

77 papers	4,907 citations	76196 40 h-index	91712 69 g-index
77 all docs	77 docs citations	77 times ranked	6142 citing authors

#	Article	IF	Citations
1	Malignant hyperthermia syndrome and hydrogen sulfide signaling: Role of Kv7 channels. , 2022, , 261-271.		0
2	Phosphodiesterases S-sulfhydration contributes to human skeletal muscle function.. Pharmacological Research, 2022, 177, 106108.	3.1	8
3	Anti-inflammatory and immunomodulatory activity of Mangifera indica L. reveals the modulation of COX-2/mPGES-1 axis and Th17/Treg ratio. Pharmacological Research, 2022, 182, 106283.	3.1	7
4	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
5	Duchenne's muscular dystrophy involves a defective transsulfuration pathway activity. Redox Biology, 2021, 45, 102040.	3.9	15
6	Interleukin-17A (IL-17A): A silent amplifier of COVID-19. Biomedicine and Pharmacotherapy, 2021, 142, 111980.	2.5	30
7	Anomalous K_v7 channel activity in human malignant hyperthermia syndrome unmasks a key role for H₂S and persulfidation in skeletal muscle. British Journal of Pharmacology, 2020, 177, 810-823.	2.7	16
8	Erucin exhibits vasorelaxing effects and antihypertensive activity by H₂Sâ€releasing properties. British Journal of Pharmacology, 2020, 177, 824-835.	2.7	50
9	Cardiovascular phenotype of mice lacking 3-mercaptopyruvate sulfurtransferase. Biochemical Pharmacology, 2020, 176, 113833.	2.0	45
10	Structural properties and anticoagulant/cytotoxic activities of heterochiral enantiomeric thrombin binding aptamer (TBA) derivatives. Nucleic Acids Research, 2020, 48, 12556-12565.	6.5	19
11	Searching for novel hydrogen sulfide donors: The vascular effects of two thiourea derivatives. Pharmacological Research, 2020, 159, 105039.	3.1	22
12	Agonism for the bile acid receptor GPBAR1 reverses liver and vascular damage in a mouse model of steatohepatitis. FASEB Journal, 2019, 33, 2809-2822.	0.2	40
13	1,2,4-Thiadiazolidin-3,5-diones as novel hydrogen sulfide donors. European Journal of Medicinal Chemistry, 2018, 143, 1677-1686.	2.6	38
14	Hydrogen sulfide pathway and skeletal muscle: an introductory review. British Journal of Pharmacology, 2018, 175, 3090-3099.	2.7	10
15	Thrombin binding aptamer analogues containing inversion of polarity sites endowed with antiproliferative and anti-motility properties against Calu-6 cells. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2645-2650.	1.1	26
16	The â€œJanus faceâ€•of the thrombin binding aptamer: Investigating the anticoagulant and antiproliferative properties through straightforward chemical modifications. Bioorganic Chemistry, 2018, 76, 202-209.	2.0	17
17	Decoding the vasoregulatory activities of bile acid-activated receptors in systemic and portal circulation: role of gaseous mediators. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H21-H32.	1.5	38
18	Nitric oxide and hydrogen sulfide: the gasotransmitter paradigm of the vascular system. British Journal of Pharmacology, 2017, 174, 4021-4031.	2.7	69

#	Article	IF	Citations
19	Backbone modified TBA analogues endowed with antiproliferative activity. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1213-1221.	1.1	27
20	Regulation of soluble guanylyl cyclase redox state by hydrogen sulfide. Pharmacological Research, 2016, 111, 556-562.	3.1	79
21	Fragment-based de novo design of a cystathionine Î³-lyase selective inhibitor blocking hydrogen sulfide production. Scientific Reports, 2016, 6, 34398.	1.6	20
22	The novel H 2 S-donor 4-carboxyphenyl isothiocyanate promotes cardioprotective effects against ischemia/reperfusion injury through activation of mitoK ATP channels and reduction of oxidative stress. Pharmacological Research, 2016, 113, 290-299.	3.1	71
23	Cystathionine Î²-synthase-derived hydrogen sulfide is involved in human malignant hyperthermia. Clinical Science, 2016, 130, 35-44.	1.8	19
24	Vascular effects of linagliptin in nonâ€obese diabetic mice are glucoseâ€independent and involve positive modulation of the endothelial nitric oxide synthase (<scp>eNOS</scp>)/caveolinâ€1 (<scp>CAV</scp>â€1) pathway. Diabetes, Obesity and Metabolism, 2016, 18, 1236-1243.	2.2	29
25	<scp>d</scp>â€Penicillamine modulates hydrogen sulfide (<scp>H₂S</scp>) pathway through selective inhibition of cystathionineâ€Î³â€lyase. British Journal of Pharmacology, 2016, 173, 1556-1565.	2.7	32
26	Site-specific replacement of the thymine methyl group by fluorine in thrombin binding aptamer significantly improves structural stability and anticoagulant activity. Nucleic Acids Research, 2015, 43, 10602-10611.	6.5	38
27	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
28	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
29	Role of the cystathionine Î³ lyase/hydrogen sulfide pathway in human melanoma progression. Pigment Cell and Melanoma Research, 2015, 28, 61-72.	1.5	110
30	Nogo-B regulates endothelial sphingolipid homeostasis to control vascular function and blood pressure. Nature Medicine, 2015, 21, 1028-1037.	15.2	96
31	Site specific replacements of a single loop nucleoside with a dibenzyl linker may switch the activity of TBA from anticoagulant to antiproliferative. Nucleic Acids Research, 2015, 43, 7702-7716.	6.5	42
32	Hydrogen sulfide is involved in dexamethasone-induced hypertension in rat. Nitric Oxide - Biology and Chemistry, 2015, 46, 80-86.	1.2	48
33	5â€Hydroxymethylâ€2â€²â€Deoxyuridine Residues in the Thrombin Binding Aptamer: Investigating Anticoagulant Activity by Making a Tiny Chemical Modification. ChemBioChem, 2014, 15, 2427-2434.	1.3	30
34	Hydrogen sulfide accounts for the peripheral vascular effects of zofenopril independently of ACE inhibition. Cardiovascular Research, 2014, 102, 138-147.	1.8	88
35	Clarithromycin in rheumatoid arthritis: the addition to methotrexate and low-dose methylprednisolone induces a significant additive valueâ€”a 24-month single-blind pilot study. Rheumatology International, 2013, 33, 2833-2838.	1.5	11
36	Perthamide C Inhibits eNOS and iNOS Expression and Has Immunomodulating Activity In Vivo. PLoS ONE, 2013, 8, e57801.	1.1	6

#	Article	IF	Citations
37	Investigating the Role of T₇ and T₁₂ Residues on the Biological Properties of Thrombin-Binding Aptamer: Enhancement of Anticoagulant Activity by a Single Nucleobase Modification. Journal of Medicinal Chemistry, 2012, 55, 10716-10728.	2.9	42
38	Apolipoprotein A-I (ApoA-I) Mimetic Peptide P2a by Restoring Cholesterol Esterification Unmasks ApoA-I Anti-Inflammatory Endogenous Activity In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 716-722.	1.3	5
39	Thioglycine and l-thiovaline: Biologically active H2S-donors. Bioorganic and Medicinal Chemistry, 2012, 20, 2675-2678.	1.4	61
40	Anti-inflammatory cyclopeptides from the marine sponge Theonella swinhoei. Tetrahedron, 2012, 68, 2851-2857.	1.0	21
41	cGMP-Dependent Protein Kinase Contributes to Hydrogen Sulfide-Stimulated Vasorelaxation. PLoS ONE, 2012, 7, e53319.	1.1	116
42	Solomonamides A and B, New Anti-inflammatory Peptides from Theonella swinhoei. Organic Letters, 2011, 13, 1532-1535.	2.4	69
43	Sphingosine-1-Phosphate Modulates Vascular Permeability and Cell Recruitment in Acute Inflammation In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 830-837.	1.3	40
44	Inhibition of Nitric Oxideâ€“Stimulated Vasorelaxation by Carbon Monoxide-Releasing Molecules. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2570-2576.	1.1	43
45	Hydrogen Sulphide in Heart and Systemic Circulation. Inflammation and Allergy: Drug Targets, 2011, 10, 103-108.	1.8	17
46	Clarithromycin in adult-onset Stillâ€™s disease: a study of 6 cases. Rheumatology International, 2010, 30, 555-560.	1.5	14
47	Hydrogen sulphide induces mouse paw oedema through activation of phospholipase A₂. British Journal of Pharmacology, 2010, 161, 1835-1842.	2.7	25
48	Systemic Administration of Sphingosine-1-Phosphate Increases Bronchial Hyperresponsiveness in the Mouse. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 572-577.	1.4	66
49	Hydrogen Sulfide Is an Endogenous Inhibitor of Phosphodiesterase Activity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1998-2004.	1.1	300
50	Hydrogen Sulphide Is Involved in Testosterone Vascular Effect. European Urology, 2009, 56, 378-384.	0.9	45
51	Perthamides C and D, two new potent anti-inflammatory cyclopeptides from a Solomon Lithistid sponge Theonella swinhoei. Tetrahedron, 2009, 65, 10424-10429.	1.0	56
52	ACE-inhibition ameliorates vascular reactivity and delays diabetes outcome in NOD mice. Vascular Pharmacology, 2008, 49, 84-90.	1.0	13
53	Sphingosine-1-Phosphate/Sphingosine Kinase Pathway Is Involved in Mouse Airway Hyperresponsiveness. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 757-762.	1.4	94
54	A novel thrombin binding aptamer containing a G-LNA residue. Bioorganic and Medicinal Chemistry, 2007, 15, 5710-5718.	1.4	65

#	Article	IF	Citations
55	Total Synthesis and Biological Evaluation of Halipeptins A and D and Analogues. Journal of the American Chemical Society, 2006, 128, 4460-4470.	6.6	59
56	A new modified thrombin binding aptamer containing a 5â€²â€“5â€² inversion of polarity site. Nucleic Acids Research, 2006, 34, 6653-6662.	6.5	91
57	Essential requirement for sphingosine kinase activity in eNOSâ€dependent NO release and vasorelaxation. FASEB Journal, 2006, 20, 340-342.	0.2	36
58	Thrombin Inhibits IFN-Î³Production in Human Peripheral Blood Mononuclear Cells by Promoting a Th2 Profile. Journal of Interferon and Cytokine Research, 2006, 26, 793-799.	0.5	9
59	Protease-activated receptor-2 (PAR2) in cardiovascular system. Vascular Pharmacology, 2005, 43, 247-253.	1.0	19
60	Proteinase-Activated Receptor-2 Mediates Arterial Vasodilation in Diabetes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2349-2354.	1.1	36
61	Angiopoietin-2 Causes Inflammation in Vivo by Promoting Vascular Leakage. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 738-744.	1.3	200
62	Endothelial nitric oxide synthase activation is critical for vascular leakage during acute inflammation in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 904-908.	3.3	140
63	Diabetic Mouse Angiopathy Is Linked to Progressive Sympathetic Receptor Deletion Coupled to an Enhanced Caveolin-1 Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 721-726.	1.1	55
64	Human eosinophil chemotaxis and selective in vivo recruitment by sphingosine 1-phosphate. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11170-11175.	3.3	94
65	Carrageenan-induced mouse paw oedema is biphasic, age-weight dependent and displays differential nitric oxide cyclooxygenase-2 expression. British Journal of Pharmacology, 2004, 142, 331-338.	2.7	336
66	17-Î²-oestradiol-induced vasorelaxation in vitro is mediated by eNOS through hsp90 and akt/pkb dependent mechanism. British Journal of Pharmacology, 2002, 135, 1695-1700.	2.7	43
67	Halipeptins A and B:Â Two Novel Potent Anti-inflammatory Cyclic Depsipeptides from the Vanuatu Marine SpongeHaliclonaspecies. Journal of the American Chemical Society, 2001, 123, 10870-10876.	6.6	129
68	Dual inhibitors of cyclooxygenase and 5-lipoxygenase. A new avenue in anti-inflammatory therapy? 1 1Abbreviations: NSAIDs, nonsteroidal anti-inflammatory drugs; COX, cyclooxygenase; LT, leukotriene; 5-LOX, 5-lipoxygenase; PG, prostaglandin; DFU, 5,5-dimethyl-3-(3-fluorophenyl)-4-(4-methylsuphonyl)-phenyl-2(5H)-furanone; and DFP, diisopropyl fluorophosphate.. Biochemical Pharmacology, 2001, 62, 1433-1438.	2.0	264
69	In vivo delivery of the caveolin-1 scaffolding domain inhibits nitric oxide synthesis and reduces inflammation. Nature Medicine, 2000, 6, 1362-1367.	15.2	519
70	NO-naproxen modulates inflammation, nociception and downregulates T cell response in rat Freund's adjuvant arthritis. British Journal of Pharmacology, 2000, 130, 1399-1405.	2.7	80
71	Geldanamycin, an inhibitor of heat shock protein 90 (Hsp90) mediated signal transduction has anti-inflammatory effects and interacts with glucocorticoid receptor in vivo. British Journal of Pharmacology, 2000, 131, 13-16.	2.7	64
72	Anti-Very Late Antigen-1 Monoclonal Antibody Modulates the Development of Secondary Lesion and T-Cell Response in Experimental Arthritis. Laboratory Investigation, 2000, 80, 73-80.	1.7	33

#	Article	IF	Citations
73	Temporal Events Underlying Arterial Remodeling After Chronic Flow Reduction in Mice. Circulation Research, 2000, 86, 1160-1166.	2.0	60
74	Inflammationâ€“coagulation network: are serine protease receptors the knot?. Trends in Pharmacological Sciences, 2000, 21, 170-172.	4.0	90
75	Protease-Activated Receptor-2 Involvement in Hypotension in Normal and Endotoxemic Rats In Vivo. Circulation, 1999, 99, 2590-2597.	1.6	104
76	Bronchoconstrictor effect of thrombin and thrombin receptor activating peptide in guinea-pigs in vivo. British Journal of Pharmacology, 1999, 126, 478-484.	2.7	31
77	Beneficial effects of ACE-inhibition with zofenopril on plaque formation and low-density lipoprotein oxidation in watanabe heritable hyperlipidemic rabbits. General Pharmacology, 1999, 33, 467-477.	0.7	42