Valentina Vellecco

List of Publications by Year
in descending order

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48 papers	2,002 citations	201674 27 h-index	243625 44 g-index
49 all docs	49 docs citations	49 times ranked	2380 citing authors

#	Article	IF	Citations
1	ILâ€17â€induced inflammation modulates the mPGESâ€1/PPARâ€Î³ pathway in monocytes/macrophages. British Journal of Pharmacology, 2022, 179, 1857-1873.	5.4	20
2	Malignant hyperthermia syndrome and hydrogen sulfide signaling: Role of Kv7 channels. , 2022, , 261-271.		0
3	Phosphodiesterases S-sulfhydration contributes to human skeletal muscle function.. Pharmacological Research, 2022, 177, 106108.	7.1	8
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.	5.4	12
5	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.	5.4	16
6	Functional contribution of sphingosineâ€1â€phosphate to airway pathology in cigarette smokeâ€exposed mice. British Journal of Pharmacology, 2020, 177, 267-281.	5.4	15
7	Cardiovascular phenotype of mice lacking 3-mercaptopyruvate sulfurtransferase. Biochemical Pharmacology, 2020, 176, 113833.	4.4	45
8	Structural properties and anticoagulant/cytotoxic activities of heterochiral enantiomeric thrombin binding aptamer (TBA) derivatives. Nucleic Acids Research, 2020, 48, 12556-12565.	14.5	19
9	Searching for novel hydrogen sulfide donors: The vascular effects of two thiourea derivatives. Pharmacological Research, 2020, 159, 105039.	7.1	22
10	Investigating the properties of TBA variants with twin thrombin binding domains. Scientific Reports, 2019, 9, 9184.	3.3	17
11	Agonism for the bile acid receptor GPBAR1 reverses liver and vascular damage in a mouse model of steatohepatitis. FASEB Journal, 2019, 33, 2809-2822.	0.5	40
12	1,2,4-Thiadiazolidin-3,5-diones as novel hydrogen sulfide donors. European Journal of Medicinal Chemistry, 2018, 143, 1677-1686.	5.5	38
13	Hydrogen sulfide pathway and skeletal muscle: an introductory review. British Journal of Pharmacology, 2018, 175, 3090-3099.	5.4	10
14	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.	2.4	26
15	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.	4.1	17
16	Nitric oxide and hydrogen sulfide: the gasotransmitter paradigm of the vascular system. British Journal of Pharmacology, 2017, 174, 4021-4031.	5.4	69
17	Backbone modified TBA analogues endowed with antiproliferative activity. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1213-1221.	2.4	27
18	Proteinase activated receptorâ€2 counterbalances the vascular effects of endothelinâ€1 in fibrotic tightâ€skin mice. British Journal of Pharmacology, 2017, 174, 4032-4042.	5.4	4

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19	Cystathionine Î²-synthase-derived hydrogen sulfide is involved in human malignant hyperthermia. Clinical Science, 2016, 130, 35-44.	4.3	19
20	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.	4.4	29
21	<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.	5.4	32
22	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.	14.5	38
23	Characterization of zofenoprilat as an inducer of functional angiogenesis through increased <scp><scp>H₂S</scp></scp> availability. British Journal of Pharmacology, 2015, 172, 2961-2973.	5.4	37
24	Crucial role of androgen receptor in vascular <scp>H₂S</scp> biosynthesis induced by testosterone. British Journal of Pharmacology, 2015, 172, 1505-1515.	5.4	28
25	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.	14.5	42
26	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.	2.6	30
27	Outstanding effects on antithrombin activity of modified TBA diastereomers containing an optically pure acyclic nucleotide analogue. Organic and Biomolecular Chemistry, 2014, 12, 5235-5242.	2.8	27
28	Hydrogen sulfide accounts for the peripheral vascular effects of zofenopril independently of ACE inhibition. Cardiovascular Research, 2014, 102, 138-147.	3.8	88
29	Crossâ€talk between tollâ€like receptor 4 (<scp>TLR</scp>4) and proteinaseâ€activated receptor 2 (<scp>PAR</scp>₂) is involved in vascular function. British Journal of Pharmacology, 2013, 168, 411-420.	5.4	20
30	Perthamide C Inhibits eNOS and iNOS Expression and Has Immunomodulating Activity In Vivo. PLoS ONE, 2013, 8, e57801.	2.5	6
31	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.	6.4	42
32	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.	2.5	5
33	Anti-inflammatory cyclopeptides from the marine sponge Theonella swinhoei. Tetrahedron, 2012, 68, 2851-2857.	1.9	21
34	cGMP-Dependent Protein Kinase Contributes to Hydrogen Sulfide-Stimulated Vasorelaxation. PLoS ONE, 2012, 7, e53319.	2.5	116
35	Solomonamides A and B, New Anti-inflammatory Peptides from Theonella swinhoei. Organic Letters, 2011, 13, 1532-1535.	4.6	69
36	Sphingosine-1-Phosphate Modulates Vascular Permeability and Cell Recruitment in Acute Inflammation In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 830-837.	2.5	40

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37	Inhibition of Nitric Oxideâ€“Stimulated Vasorelaxation by Carbon Monoxide-Releasing Molecules. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2570-2576.	2.4	43
38	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.	2.5	61
39	Hydrogen Sulfide Is an Endogenous Inhibitor of Phosphodiesterase Activity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1998-2004.	2.4	300
40	Hydrogen Sulphide Is Involved in Testosterone Vascular Effect. European Urology, 2009, 56, 378-384.	1.9	45
41	Perthamides C and D, two new potent anti-inflammatory cyclopeptides from a Solomon Lithistid sponge Theonella swinhoei. Tetrahedron, 2009, 65, 10424-10429.	1.9	56
42	Synthesis, structural studies and biological properties of new TBA analogues containing an acyclic nucleotide. Bioorganic and Medicinal Chemistry, 2008, 16, 8244-8253.	3.0	44
43	Biosynthesis of H₂S is impaired in nonâ€obese diabetic (NOD) mice. British Journal of Pharmacology, 2008, 155, 673-680.	5.4	150
44	Sphingosine-1-Phosphate/Sphingosine Kinase Pathway Is Involved in Mouse Airway Hyperresponsiveness. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 757-762.	2.9	94
45	Haemostatic imbalance following carrageenan-induced rat paw oedema. European Journal of Pharmacology, 2007, 577, 156-161.	3.5	28
46	Vasorelaxant effect of the flavonoid galangin on isolated rat thoracic aorta. Life Sciences, 2006, 78, 825-830.	4.3	44
47	A protective role for proteinase activated receptor 2 in airways of lipopolysaccharide-treated rats. Biochemical Pharmacology, 2005, 71, 223-230.	4.4	32
48	Basal nitric oxide modulates vascular effects of a peptide activating protease-activated receptor 2. Cardiovascular Research, 2003, 60, 431-437.	3.8	11