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	Hydrogen Sulfide Is an Endogenous Inhibitor of Phosphodiesterase Activity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1998-2004.	2.4	300
2	Biosynthesis of H₂S is impaired in nonâ€obese diabetic (NOD) mice. British Journal of Pharmacology, 2008, 155, 673-680.	5.4	150
3	cGMP-Dependent Protein Kinase Contributes to Hydrogen Sulfide-Stimulated Vasorelaxation. PLoS ONE, 2012, 7, e53319.	2.5	116
4	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
5	Hydrogen sulfide accounts for the peripheral vascular effects of zofenopril independently of ACE inhibition. Cardiovascular Research, 2014, 102, 138-147.	3.8	88
6	Solomonamides A and B, New Anti-inflammatory Peptides from Theonella swinhoei. Organic Letters, 2011, 13, 1532-1535.	4.6	69
7	Nitric oxide and hydrogen sulfide: the gasotransmitter paradigm of the vascular system. British Journal of Pharmacology, 2017, 174, 4021-4031.	5.4	69
8	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
9	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
10	Hydrogen Sulphide Is Involved in Testosterone Vascular Effect. European Urology, 2009, 56, 378-384.	1.9	45
11	Cardiovascular phenotype of mice lacking 3-mercaptopyruvate sulfurtransferase. Biochemical Pharmacology, 2020, 176, 113833.	4.4	45
12	Vasorelaxant effect of the flavonoid galangin on isolated rat thoracic aorta. Life Sciences, 2006, 78, 825-830.	4.3	44
13	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
14	Inhibition of Nitric Oxideâ€“Stimulated Vasorelaxation by Carbon Monoxide-Releasing Molecules. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2570-2576.	2.4	43
15	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
16	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
17	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
18	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

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19	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
20	1,2,4-Thiadiazolidin-3,5-diones as novel hydrogen sulfide donors. European Journal of Medicinal Chemistry, 2018, 143, 1677-1686.	5.5	38
21	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
22	A protective role for proteinase activated receptor 2 in airways of lipopolysaccharide-treated rats. Biochemical Pharmacology, 2005, 71, 223-230.	4.4	32
23	<scp>d</scp>â€Penicillamine modulates hydrogen sulfide (<scp>H₂S</scp>) pathway through selective inhibition of cystathionineâ€Îâ€lyase. British Journal of Pharmacology, 2016, 173, 1556-1565.	5.4	32
24	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
25	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
26	Haemostatic imbalance following carrageenan-induced rat paw oedema. European Journal of Pharmacology, 2007, 577, 156-161.	3.5	28
27	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
28	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
29	Backbone modified TBA analogues endowed with antiproliferative activity. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1213-1221.	2.4	27
30	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
31	Searching for novel hydrogen sulfide donors: The vascular effects of two thiourea derivatives. Pharmacological Research, 2020, 159, 105039.	7.1	22
32	Anti-inflammatory cyclopeptides from the marine sponge Theonella swinhoei. Tetrahedron, 2012, 68, 2851-2857.	1.9	21
33	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
34	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
35	Cystathionine Î²-synthase-derived hydrogen sulfide is involved in human malignant hyperthermia. Clinical Science, 2016, 130, 35-44.	4.3	19
36	Structural properties and anticoagulant/cytotoxic activities of heterochiral enantiomeric thrombin binding aptamer (TBA) derivatives. Nucleic Acids Research, 2020, 48, 12556-12565.	14.5	19

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37	Investigating the properties of TBA variants with twin thrombin binding domains. Scientific Reports, 2019, 9, 9184.	3.3	17
38	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
39	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
40	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
41	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
42	Basal nitric oxide modulates vascular effects of a peptide activating protease-activated receptor 2. Cardiovascular Research, 2003, 60, 431-437.	3.8	11
43	Hydrogen sulfide pathway and skeletal muscle: an introductory review. British Journal of Pharmacology, 2018, 175, 3090-3099.	5.4	10
44	Phosphodiesterases S-sulfhydration contributes to human skeletal muscle function.. Pharmacological Research, 2022, 177, 106108.	7.1	8
45	Perthamide C Inhibits eNOS and iNOS Expression and Has Immunomodulating Activity In Vivo. PLoS ONE, 2013, 8, e57801.	2.5	6
46	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
47	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
48	Malignant hyperthermia syndrome and hydrogen sulfide signaling: Role of Kv7 channels. , 2022, , 261-271.		0