Rosa Maria Vitale

List of Publications by Year
in descending order

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71	1,790	257101 24	276539 41
papers	citations	h-index	g-index

76	76	76	2757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beneficial Effects of Akkermansia muciniphila Are Not Associated with Major Changes in the Circulating Endocannabinoidome but Linked to Higher Mono-Palmitoyl-Glycerol Levels as New PPARÎ± Agonists. Cells, 2021, 10, 185.	1.8	43
2	2-Pentadecyl-2-oxazoline ameliorates memory impairment and depression-like behaviour in neuropathic mice: possible role of adrenergic alpha2- and H3 histamine autoreceptors. Molecular Brain, 2021, 14, 28.	1.3	13
3	N-palmitoyl-D-glucosamine, A Natural Monosaccharide-Based Glycolipid, Inhibits TLR4 and Prevents LPS-Induced Inflammation and Neuropathic Pain in Mice. International Journal of Molecular Sciences, 2021, 22, 1491.	1.8	19
4	The Endocannabinoid System and PPARs: Focus on Their Signalling Crosstalk, Action and Transcriptional Regulation. Cells, 2021, 10, 586.	1.8	55
5	The (Poly)Pharmacology of Cannabidiol in Neurological and Neuropsychiatric Disorders: Molecular Mechanisms and Targets. International Journal of Molecular Sciences, 2021, 22, 4876.	1.8	37
6	The Combined Effect of Branching and Elongation on the Bioactivity Profile of Phytocannabinoids. Part I: Thermo-TRPs. Biomedicines, 2021, 9, 1070.	1.4	3
7	Identification and Characterization of Cannabidiol as an OX1R Antagonist by Computational and In Vitro Functional Validation. Biomolecules, 2021, 11, 1134.	1.8	8
8	Biosynthesis of the Novel Endogenous 15-Lipoxygenase Metabolites N-13-Hydroxy-octodecadienoyl-ethanolamine and 13-Hydroxy-octodecadienoyl-glycerol by Human Neutrophils and Eosinophils. Cells, 2021, 10, 2322.	1.8	11
9	Design, Synthesis and In Vitro Experimental Validation of Novel TRPV4 Antagonists Inspired by Labdane Diterpenes. Marine Drugs, 2020, 18, 519.	2.2	11
10	Cannabitwinol, a Dimeric Phytocannabinoid from Hemp, Cannabis sativa L., Is a Selective Thermo-TRP Modulator. Journal of Natural Products, 2020, 83, 2727-2736.	1.5	19
11	Identification of the hydantoin alkaloids parazoanthines as novel CXCR4 antagonists by computational and in vitro functional characterization. Bioorganic Chemistry, 2020, 105, 104337.	2.0	4
12	Discovery of a Remarkable Methyl Shift Effect in the Vanilloid Activity of Triterpene Amides. Journal of Natural Products, 2020, 83, 3476-3481.	1.5	2
13	Identification and Characterization of Cannabimovone, a Cannabinoid from Cannabis sativa, as a Novel PPARÎ³ Agonist via a Combined Computational and Functional Study. Molecules, 2020, 25, 1119.	1.7	20
14	Chapter 6. Natural Compounds and Synthetic Drugs Targeting the Ionotropic Cannabinoid Members of Transient Receptor Potential (TRP) Channels. RSC Drug Discovery Series, 2020, , 201-300.	0.2	2
15	Potent Cytotoxic Analogs of Amphidinolides from the Atlantic Octocoral Stragulum bicolor. Marine Drugs, 2019, 17, 58.	2.2	10
16	In Silico Identification and Experimental Validation of (â˜')-Muqubilin A, a Marine Norterpene Peroxide, as PPARÎ±/Î³-RXRÎ± Agonist and RARÎ± Positive Allosteric Modulator. Marine Drugs, 2019, 17, 110.	2.2	11
17	FAAH-Catalyzed Câ€“C Bond Cleavage of a New Multitarget Analgesic Drug. ACS Chemical Neuroscience, 2019, 10, 424-437.	1.7	2
18	Identification and characterization of phytocannabinoids as novel dual PPARÎ±/Î³ agonists by a computational and in vitro experimental approach. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 586-597.	1.1	55

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19	Patatin-like lipolytic acyl hydrolases and galactolipid metabolism in marine diatoms of the genus Pseudo-nitzschia. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 181-190.	1.2	13
20	N-Oleoyl-glycine reduces nicotine reward and withdrawal in mice. Neuropharmacology, 2019, 148, 320-331.	2.0	37
21	In Silico Identification and Experimental Validation of Novel Anti-Alzheimerâ€™s Multitargeted Ligands from a Marine Source Featuring a â€œ2-Aminoimidazole plus Aromatic Groupâ€•Scaffold. ACS Chemical Neuroscience, 2018, 9, 1290-1303.	1.7	14
22	Spectroscopy data of ceftriaxone-lysozyme interaction and computational studies. Data in Brief, 2018, 18, 1808-1818.	0.5	2
23	Chaperone-like effect of ceftriaxone on HEWL aggregation: A spectroscopic and computational study. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1317-1326.	1.1	6
24	Fishing for Targets of Alien Metabolites: A Novel Peroxisome Proliferator-Activated Receptor (PPAR) Agonist from a Marine Pest. Marine Drugs, 2018, 16, 431.	2.2	27
25	Elongation of the Hydrophobic Chain as a Molecular Switch: Discovery of Capsaicin Derivatives and Endogenous Lipids as Potent Transient Receptor Potential Vanilloid Channel 2 Antagonists. Journal of Medicinal Chemistry, 2018, 61, 8255-8281.	2.9	11
26	Structureâ€“activity relationships of fraxamoside as an unusual xanthine oxidase inhibitor. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 345-354.	2.5	21
27	Avarol derivatives as competitive AChE inhibitors, non hepatotoxic and neuroprotective agents for Alzheimerâ€™s disease. European Journal of Medicinal Chemistry, 2016, 122, 326-338.	2.6	43
28	Tetrahydroisoquinoline-Derived Urea and 2,5-Diketopiperazine Derivatives as Selective Antagonists of the Transient Receptor Potential Melastatin 8 (TRPM8) Channel Receptor and Antiprostate Cancer Agents. Journal of Medicinal Chemistry, 2016, 59, 5661-5683.	2.9	29
29	Interactions of GFAP with ceftriaxone and phenytoin: SRCD and molecular docking and dynamic simulation. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2239-2248.	1.1	15
30	Air oxidation method employed for the disulfide bond formation of natural and synthetic peptides. Amino Acids, 2015, 47, 1507-1515.	1.2	24
31	Self-Inclusion Complexes of Monofunctionalized Beta-Cyclodextrins as Hostâ€“Guest Interaction Model Systems and Simple and Sensitive Testbeds for Implicit Solvation Methods. , 2015, , 271-296.		0
32	P01.16 * MICROGLIA/MACROPHAGES AS CELLULAR TARGET OF NOVEL CXCR4 ANTAGONIST IN A GLIOMA MODEL. Neuro-Oncology, 2014, 16, ii30-ii30.	0.6	0
33	Structureâ€“activity relationships and molecular modelling of new 5-arylidene-4-thiazolidinone derivatives as aldose reductase inhibitors and potential anti-inflammatory agents. European Journal of Medicinal Chemistry, 2014, 81, 1-14.	2.6	63
34	Minimalist Hybrid Ligand/Receptor-Based Pharmacophore Model for CXCR4 Applied to a Small-Library of Marine Natural Products Led to the Identification of Phidianidine A as a New CXCR4 Ligand Exhibiting Antagonist Activity. ACS Chemical Biology, 2013, 8, 2762-2770.	1.6	54
35	Preclinical Development of a Novel Class of CXCR4 Antagonist Impairing Solid Tumors Growth and Metastases. PLoS ONE, 2013, 8, e74548.	1.1	76
36	332 A New CXCR4 Receptor Antagonist â€“ Effects on Cell Growth and Tumor Microenvironment in a Glioma Model. European Journal of Cancer, 2012, 48, S81.	1.3	0

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37	Abstract 4645: Preclinical development of RFF-1, a novel rational designed CXCL12 mimetic drug. , 2012, , .		0
38	Computational Methods in Mass Spectrometry-Based Protein 3D Studies. , 2011, , .		0
39	Neuroglobinâ€“prion protein interaction: what's the function?. Journal of Peptide Science, 2011, 17, 387-391.	0.8	14
40	Converting the Highly Amyloidogenic Human Calcitonin into a Powerful Fibril Inhibitor by Three-dimensional Structure Homology with a Non-amyloidogenic Analogue. Journal of Biological Chemistry, 2011, 286, 2707-2718.	1.6	29
41	Abstract 394: Rapid and persistant neutrophil mobilization by novel CXCR4 peptide antagonists. , 2011, , .		0
42	Rare Casbane Diterpenoids from the Hainan Soft Coral Sinularia depressa. Journal of Natural Products, 2010, 73, 133-138.	1.5	70
43	A SPR strategy for high-throughput ligand screenings based on synthetic peptides mimicking a selected subdomain of the target protein: A proof of concept on HER2 receptor. Bioorganic and Medicinal Chemistry, 2009, 17, 7015-7020.	1.4	20
44	Structural Analysis of BldR from Sulfolobus solfataricus Provides Insights into the Molecular Basis of Transcriptional Activation in Archaea by MarR Family Proteins. Journal of Molecular Biology, 2009, 388, 559-569.	2.0	31
45	Carbonic Anhydrase Inhibitors. Comparison of Aliphatic Sulfamate/Bis-sulfamate Adducts with Isozymes II and IX as a Platform for Designing Tight-Binding, More Isoform-Selective Inhibitors. Journal of Medicinal Chemistry, 2009, 52, 5990-5998.	2.9	21
46	Gadd45Î² dimerization does not affect MKK7 binding. Advances in Experimental Medicine and Biology, 2009, 611, 367-368.	0.8	1
47	Self-association regions in the CARD of Bcl-10. Advances in Experimental Medicine and Biology, 2009, 611, 569-570.	0.8	0
48	Molecular modeling and functional characterization of the monomeric primaseâ€“polymerase domain from the Sulfolobusâ€ƒsolfataricus plasmid pIT3. FEBS Journal, 2008, 275, 4389-4402.	2.2	21
49	Gadd45Î² forms a Homodimeric Complex that Binds Tightly to MKK7. Journal of Molecular Biology, 2008, 378, 97-111.	2.0	49
50	Structural Features of Distinctin Affecting Peptide Biological and Biochemical Properties. Biochemistry, 2008, 47, 7888-7899.	1.2	29
51	Carbonic Anhydrase Inhibitors: Bioreductive Nitro-Containing Sulfonamides with Selectivity for Targeting the Tumor Associated Isoforms IX and XII. Journal of Medicinal Chemistry, 2008, 51, 3230-3237.	2.9	49
52	Insights into the Structural Basis of the GADD45Î²-mediated Inactivation of the JNK Kinase, MKK7/JNKK2. Journal of Biological Chemistry, 2007, 282, 19029-19041.	1.6	66
53	Structure and Absolute Stereochemistry of Syphonoside, a Unique Macrocyclic Glycoterpenoid from Marine Organisms. Journal of Organic Chemistry, 2007, 72, 5625-5630.	1.7	31
54	Molecular modeling study for the binding of zonisamide and topiramate to the human mitochondrial carbonic anhydrase isoform VA. Bioorganic and Medicinal Chemistry, 2007, 15, 4152-4158.	1.4	37

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55	Structural characterization of the functional regions in the archaeal protein Sso7d. Proteins: Structure, Function and Bioinformatics, 2007, 67, 189-197.	1.5	8
56	Carbonic Anhydrase Inhibitors:Â Hypoxia-Activatable Sulfonamides Incorporating Disulfide Bonds that Target the Tumor-Associated Isoform IXâ€. Journal of Medicinal Chemistry, 2006, 49, 5544-5551.	2.9	100
57	Carbonic Anhydrase Inhibitors:â€‰ X-ray and Molecular Modeling Study for the Interaction of a Fluorescent Antitumor Sulfonamide with Isozyme II and IX. Journal of the American Chemical Society, 2006, 128, 8329-8335.	6.6	200
58	Site-directed mutagenesis and molecular modelling studies show the role of Asp82 and cysteines in rat acylase 1, a member of the M20 family. Biochemical and Biophysical Research Communications, 2005, 330, 540-546.	1.0	1
59	Structural characterization of functionalized Î²-cyclodestrins. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c315-c315.	0.3	0
60	Structural features of the inactive and active states of the melanin-concentrating hormone receptors: Insights from molecular simulations. Proteins: Structure, Function and Bioinformatics, 2004, 56, 430-448.	1.5	22
61	Structure, conformation and biological activity of a novel lipodepsipeptide from Pseudomonas corrugata: cormycin A1. Biochemical Journal, 2004, 384, 25-36.	1.7	86
62	Conformational Features of Human Melanin-Concentrating Hormone: An NMR and Computational Analysis. ChemBioChem, 2003, 4, 73-81.	1.3	8
63	Synthetic peptides mimicking the interleukin-6/gp 130 interaction: a two-helix bundle system. Design and conformational studies. Journal of Peptide Science, 2003, 9, 90-105.	0.8	1
64	Probing the Dimeric Structure of Porcine Aminoacylase 1 by Mass Spectrometric and Modeling Procedures. Biochemistry, 2003, 42, 4430-4443.	1.2	47
65	X-ray Diffraction Analysis and Conformational Energy Computations of Î²-Turn and 310-Helical Peptides Based on Î±-Amino Acids with an Olefinic Side Chain. Implications for Ring-Closing Metathesis. Macromolecules, 2002, 35, 4204-4209.	2.2	16
66	Nitroxyl Peptides as Catalysts of Enantioselective Oxidations. Chemistry - A European Journal, 2002, 8, 84-93.	1.7	48
67	CÎ±-Methyl,CÎ±-allylglycine (Mag) Homooligomers. Macromolecules, 2001, 34, 4263-4269.	2.2	6
68	Ac10 c: a medium-ring, cycloaliphatic CÎ±,Î± -disubstituted glycine. Incorporation into model peptides and preferred conformation. Chemical Biology and Drug Design, 2001, 57, 307-315.	1.2	16
69	TOAC Peptides as Catalysts of Enantioselective Oxidations. , 2001, , 1065-1066.		0
70	Allyl-Based, CÎ±-Methylated Î±-Amino Acids in the Side-Chain to Side-Chain Ring-Closing Metathesis Reaction of Î²-Turn/310-Helical Peptides. , 2001, , 371-372.		1
71	Synthesis and NMR Characterization of Melanin-Concentrating Hormone. , 2001, , 710-711.		0