Hans-Gottfried Genieser

List of Publications by Year
in descending order

48 papers	2,534 citations	331259 21 h-index	253896 43 g-index
49 all docs	49 docs citations	49 times ranked	2651 citing authors

#	Article	IF	Citations
1	Combination of cGMP analogue and drug delivery system provides functional protection in hereditary retinal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2997-E3006.	3.3	90
2	New cGMP analogues restrain proliferation and migration of melanoma cells. Oncotarget, 2018, 9, 5301-5320.	0.8	17
3	New dimeric cGMP analogues reduce proliferation in three colon cancer cell lines. European Journal of Medicinal Chemistry, 2017, 141, 61-72.	2.6	11
4	Application of Synthetic Peptide Arrays To Uncover Cyclic Di-GMP Binding Motifs. Journal of Bacteriology, 2016, 198, 138-146.	1.0	15
5	Medicinal Chemistry of the Noncanonical Cyclic Nucleotides cCMP and cUMP. Handbook of Experimental Pharmacology, 2015, 238, 307-337.	0.9	2
6	The Chemistry of the Noncanonical Cyclic Dinucleotide 2â€²3â€²-cGAMP and Its Analogs. Handbook of Experimental Pharmacology, 2015, 238, 359-384.	0.9	15
7	Structure-Guided Design of Selective Epac1 and Epac2 Agonists. PLoS Biology, 2015, 13, e1002038.	2.6	68
8	Analysis of Substrate Specificity and Kinetics of Cyclic Nucleotide Phosphodiesterases with Nâ€™-Methylanthraniloyl-Substituted Purine and Pyrimidine 3â€²,5â€²-Cyclic Nucleotides by Fluorescence Spectrometry. PLoS ONE, 2013, 8, e54158.	1.1	13
9	Activation of PDE10 and PDE11 Phosphodiesterases. Journal of Biological Chemistry, 2012, 287, 1210-1219.	1.6	64
10	A chemical proteomics approach to identify c-di-GMP binding proteins in Pseudomonas aeruginosa. Journal of Microbiological Methods, 2012, 88, 229-236.	0.7	52
11	dRTP and dPTP a complementary nucleotide couple for the Sequence Saturation Mutagenesis (SeSaM) method. Journal of Molecular Catalysis B: Enzymatic, 2012, 84, 40-47.	1.8	9
12	Binding of Regulatory Subunits of Cyclic AMP-Dependent Protein Kinase to Cyclic CMP Agarose. PLoS ONE, 2012, 7, e39848.	1.1	21
13	Quantification of cAMP and cGMP analogs in intact cells: pitfalls in enzyme immunoassays for cyclic nucleotides. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 169-176.	1.4	22
14	Quantification of cAMP and cGMP analogs in intact cells: pitfals in enzyme immunoassays for cyclic nucleotides. BMC Pharmacology, 2011, 11, .	0.4	0
15	Activation of cGMP-dependent protein kinase Iα and cAMP-dependent protein kinase A isoforms by cyclic nucleotides. BMC Pharmacology, 2011, 11, .	0.4	0
16	Cyclic nucleotides as affinity tools: Phosphorothioate cAMP analogues address specific PKA subproteomes. New Biotechnology, 2011, 28, 294-301.	2.4	18
17	Epac-Rap Signaling Reduces Cellular Stress and Ischemia-induced Kidney Failure. Journal of the American Society of Nephrology: JASN, 2011, 22, 859-872.	3.0	38
18	Small Molecule AKAP-Protein Kinase A (PKA) Interaction Disruptors That Activate PKA Interfere with Compartmentalized cAMP Signaling in Cardiac Myocytes. Journal of Biological Chemistry, 2011, 286, 9079-9096.	1.6	92

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19	Biochemical Characterization and Cellular Imaging of a Novel, Membrane Permeable Fluorescent Camp Analog. , 2011, , 107-129.		0
20	Activation of PDE2 and PDE5 by specific GAF ligands: delayed activation of PDE5. British Journal of Pharmacology, 2010, 161, 1645-1660.	2.7	28
21	Chemical tools selectively target components of the PKA system. BMC Chemical Biology, 2009, 9, 3.	1.6	36
22	Biochemical characterization and cellular imaging of a novel, membrane permeable fluorescent cAMP analog. BMC Biochemistry, 2008, 9, 18.	4.4	17
23	Systematic interpretation of cyclic nucleotide binding studies using KinetXBase. Proteomics, 2008, 8, 1212-1220.	1.3	9
24	8â€pCPTâ€2â€²â€Oâ€Meâ€cAMPâ€AM: An Improved Epacâ€Selective cAMP Analogue. ChemBioChem, 2008, 9, 2052-2054.	3.2	106
25	Cyclic nucleotide analogs as probes of signaling pathways. Nature Methods, 2008, 5, 277-278.	9.0	223
26	cAMP signaling regulates histone H3 phosphorylation and mitotic entry through a disruption of G2 progression. Experimental Cell Research, 2008, 314, 2855-2869.	1.2	7
27	Specificity of commonly used cyclic nucleotides with PKA, PKG and Epac-implementing microcalorimetry to determine PDE activities. BMC Pharmacology, 2007, 7, .	0.4	0
28	Bioactivatable, Membrane-Permeant Analogs of Cyclic Nucleotides as Biological Tools for Growth Control of C6 Glioma Cells. Biological Chemistry, 2003, 384, 1321-1326.	1.2	29
29	A novel Epac-specific cAMP analogue demonstrates independent regulation of Rap1 and ERK. Nature Cell Biology, 2002, 4, 901-906.	4.6	646
30	Direct comparison of the potency of three novel cAMP analogs to induce CREB-phosphorylation in rat pinealocytes. Journal of Pineal Research, 2001, 31, 183-185.	3.4	6
31	Cyclic nucleotide analogs as biochemical tools and prospective drugs. , 2000, 87, 199-226.		226
32	Effect of cGMP analogues and protein kinase G blocker on secretory activity, apoptosis and the cAMP/protein kinase A system in porcine ovarian granulosa cells in vitro. Journal of Steroid Biochemistry and Molecular Biology, 2000, 74, 1-9.	1.2	21
33	CREB phosphorylation and melatonin biosynthesis in the rat pineal gland: Involvement of cyclic AMP dependent protein kinase type II. Journal of Pineal Research, 1999, 27, 170-182.	3.4	53
34	Endogenous Type II cGMP-dependent Protein Kinase Exists as a Dimer in Membranes and Can Be Functionally Distinguished from the Type I Isoforms. Journal of Biological Chemistry, 1997, 272, 11816-11823.	1.6	60
35	Determination of Lipophilicity by Gradient Elution High-Performance Liquid Chromatography. Analytical Chemistry, 1997, 69, 2575-2581.	3.2	74
36	Regulation of Olfactory Signalling via cGMP-Dependent Protein Kinase. FEBS Journal, 1996, 236, 632-637.	0.2	29

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37	Inhibition of cyclic GMPâ€dependent protein kinaseâ€mediated effects by (Rp)â€8â€bromoâ€PETâ€cyclic GMPS. British Journal of Pharmacology, 1995, 116, 3110-3116.	2.7	100
38	(Rp)-8-pCPT-cGMPS, a novel cGMP-dependent protein kinase inhibitor. European Journal of Pharmacology, 1994, 269, 265-268.	2.7	156
39	(Rp)- and (Sp)-8-piperidino-adenosine 3',5'-(cyclic)thiophosphates discriminate completely between site A and B of the regulatory subunits of cAMP-dependent protein kinase type I and II. FEBS Journal, 1994, 221, 1089-1094.	0.2	14
40	Derivatives of 1-Î²-d-ribofuranosylbenzimidazole 3â€²,5â€²-phosphate that mimic the actions of adenosine 3â€²,5â€²-phosphate (cAMP) and guanosine 3â€²,5â€²-phosphate (cGMP). Carbohydrate Research, 1992, 234, 217-235.	1.1	22
41	Kinetics and nucleotide specificity of a surface cAMP binding site inDictyostelium discoideum, which is not down-regulated by cAMP. FEMS Microbiology Letters, 1991, 82, 9-14.	0.7	5
42	Synthesis of nucleoside-3', 5'-cyclic phosphorothioates by cyclothiophosphorylation of unprotected nucleosides. Tetrahedron Letters, 1988, 29, 2803-2804.	0.7	36
43	Structural investigations on reversed-phase silicas. Journal of Chromatography A, 1986, 354, 434-437.	1.8	15
44	Structural investigations on reversed-phase silicas. Journal of Chromatography A, 1985, 323, 273-280.	1.8	15
45	Characterization of silica bonded stationary phases. Journal of Chromatography A, 1983, 269, 127-152.	1.8	23
46	Gas chromatographic adsorption effect arising from boron trihalides. Journal of High Resolution Chromatography, 1983, 6, 515-515.	2.0	1
47	Determination of ligand contents of octadecyl-modified silicas. Journal of Chromatography A, 1982, 244, 368-372.	1.8	14
48	Quantitative ether cleavage of ligands in hydrophobic agaroses â€"precise determination of the degree of substitution. Journal of Chromatography A, 1981, 215, 235-242.	1.8	16