

Hans-Gottfried Genieser

List of Publications by Year in descending order

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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	A novel Epac-specific cAMP analogue demonstrates independent regulation of Rap1 and ERK. <i>Nature Cell Biology</i> , 2002, 4, 901-906.	4.6	646
2	Cyclic nucleotide analogs as biochemical tools and prospective drugs. , 2000, 87, 199-226.		226
3	Cyclic nucleotide analogs as probes of signaling pathways. <i>Nature Methods</i> , 2008, 5, 277-278.	9.0	223
4	(Rp)-8-pCPT-cGMPS, a novel cGMP-dependent protein kinase inhibitor. <i>European Journal of Pharmacology</i> , 1994, 269, 265-268.	2.7	156
5	8â€pCPTâ€2â€â€Oâ€Meâ€cAMPâ€AM: An Improved Epacâ€Selective cAMP Analogue. <i>ChemBioChem</i> , 2008, 9, 2052-2054	10.6	
6	Inhibition of cyclic GMPâ€dependent protein kinaseâ€mediated effects by (Rp)â€8â€bromoâ€PETâ€cyclic GMPS. <i>British Journal of Pharmacology</i> , 1995, 116, 3110-3116.	2.7	100
7	Small Molecule AKAP-Protein Kinase A (PKA) Interaction Disruptors That Activate PKA Interfere with Compartmentalized cAMP Signaling in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 9079-9096.	1.6	92
8	Combination of cGMP analogue and drug delivery system provides functional protection in hereditary retinal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2997-E3006.	3.3	90
9	Determination of Lipophilicity by Gradient Elution High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 1997, 69, 2575-2581.	3.2	74
10	Structure-Guided Design of Selective Epac1 and Epac2 Agonists. <i>PLoS Biology</i> , 2015, 13, e1002038.	2.6	68
11	Activation of PDE10 and PDE11 Phosphodiesterases. <i>Journal of Biological Chemistry</i> , 2012, 287, 1210-1219.	1.6	64
12	Endogenous Type II cGMP-dependent Protein Kinase Exists as a Dimer in Membranes and Can Be Functionally Distinguished from the Type I Isoforms. <i>Journal of Biological Chemistry</i> , 1997, 272, 11816-11823.	1.6	60
13	CREB phosphorylation and melatonin biosynthesis in the rat pineal gland: Involvement of cyclic AMP dependent protein kinase type II. <i>Journal of Pineal Research</i> , 1999, 27, 170-182.	3.4	53
14	A chemical proteomics approach to identify c-di-GMP binding proteins in <i>Pseudomonas aeruginosa</i> . <i>Journal of Microbiological Methods</i> , 2012, 88, 229-236.	0.7	52
15	Epac-Rap Signaling Reduces Cellular Stress and Ischemia-induced Kidney Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 859-872.	3.0	38
16	Synthesis of nucleoside-3', 5'-cyclic phosphorothioates by cyclothiophosphorylation of unprotected nucleosides. <i>Tetrahedron Letters</i> , 1988, 29, 2803-2804.	0.7	36
17	Chemical tools selectively target components of the PKA system. <i>BMC Chemical Biology</i> , 2009, 9, 3.	1.6	36
18	Regulation of Olfactory Signalling via cGMP-Dependent Protein Kinase. <i>FEBS Journal</i> , 1996, 236, 632-637.	0.2	29

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19	Bioactivatable, Membrane-Permeant Analogs of Cyclic Nucleotides as Biological Tools for Growth Control of C6 Glioma Cells. <i>Biological Chemistry</i> , 2003, 384, 1321-1326.	1.2	29
20	Activation of PDE2 and PDE5 by specific GAF ligands: delayed activation of PDE5. <i>British Journal of Pharmacology</i> , 2010, 161, 1645-1660.	2.7	28
21	Characterization of silica bonded stationary phases. <i>Journal of Chromatography A</i> , 1983, 269, 127-152.	1.8	23
22	Derivatives of 1- β -D-ribofuranosylbenzimidazole 3',5'-phosphate that mimic the actions of adenosine 3',5'-phosphate (cAMP) and guanosine 3',5'-phosphate (cGMP). <i>Carbohydrate Research</i> , 1992, 234, 217-235.	1.1	22
23	Quantification of cAMP and cGMP analogs in intact cells: pitfalls in enzyme immunoassays for cyclic nucleotides. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 384, 169-176.	1.4	22
24	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. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 74, 1-9.	1.2	21
25	Binding of Regulatory Subunits of Cyclic AMP-Dependent Protein Kinase to Cyclic CMP Agarose. <i>PLoS ONE</i> , 2012, 7, e39848.	1.1	21
26	Cyclic nucleotides as affinity tools: Phosphorothioate cAMP analogues address specific PKA subproteomes. <i>New Biotechnology</i> , 2011, 28, 294-301.	2.4	18
27	Biochemical characterization and cellular imaging of a novel, membrane permeable fluorescent cAMP analog. <i>BMC Biochemistry</i> , 2008, 9, 18.	4.4	17
28	New cGMP analogues restrain proliferation and migration of melanoma cells. <i>Oncotarget</i> , 2018, 9, 5301-5320.	0.8	17
29	Quantitative ether cleavage of ligands in hydrophobic agaroses – precise determination of the degree of substitution. <i>Journal of Chromatography A</i> , 1981, 215, 235-242.	1.8	16
30	Structural investigations on reversed-phase silicas. <i>Journal of Chromatography A</i> , 1985, 323, 273-280.	1.8	15
31	Structural investigations on reversed-phase silicas. <i>Journal of Chromatography A</i> , 1986, 354, 434-437.	1.8	15
32	The Chemistry of the Noncanonical Cyclic Dinucleotide 2',3'-cGAMP and Its Analogs. <i>Handbook of Experimental Pharmacology</i> , 2015, 238, 359-384.	0.9	15
33	Application of Synthetic Peptide Arrays To Uncover Cyclic Di-GMP Binding Motifs. <i>Journal of Bacteriology</i> , 2016, 198, 138-146.	1.0	15
34	Determination of ligand contents of octadecyl-modified silicas. <i>Journal of Chromatography A</i> , 1982, 244, 368-372.	1.8	14
35	(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. <i>FEBS Journal</i> , 1994, 221, 1089-1094.	0.2	14
36	Analysis of Substrate Specificity and Kinetics of Cyclic Nucleotide Phosphodiesterases with N ⁶ -Methylantraniloyl-Substituted Purine and Pyrimidine 3',5'-Cyclic Nucleotides by Fluorescence Spectrometry. <i>PLoS ONE</i> , 2013, 8, e54158.	1.1	13

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37	New dimeric cGMP analogues reduce proliferation in three colon cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 61-72.	2.6	11
38	Systematic interpretation of cyclic nucleotide binding studies using KinetXBase. <i>Proteomics</i> , 2008, 8, 1212-1220.	1.3	9
39	dRTP and dPTP a complementary nucleotide couple for the Sequence Saturation Mutagenesis (SeSaM) method. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 84, 40-47.	1.8	9
40	cAMP signaling regulates histone H3 phosphorylation and mitotic entry through a disruption of G2 progression. <i>Experimental Cell Research</i> , 2008, 314, 2855-2869.	1.2	7
41	Direct comparison of the potency of three novel cAMP analogs to induce CREB-phosphorylation in rat pinealocytes. <i>Journal of Pineal Research</i> , 2001, 31, 183-185.	3.4	6
42	Kinetics and nucleotide specificity of a surface cAMP binding site in <i>Dictyostelium discoideum</i> , which is not down-regulated by cAMP. <i>FEMS Microbiology Letters</i> , 1991, 82, 9-14.	0.7	5
43	Medicinal Chemistry of the Noncanonical Cyclic Nucleotides cCMP and cUMP. <i>Handbook of Experimental Pharmacology</i> , 2015, 238, 307-337.	0.9	2
44	Gas chromatographic adsorption effect arising from boron trihalides. <i>Journal of High Resolution Chromatography</i> , 1983, 6, 515-515.	2.0	1
45	Specificity of commonly used cyclic nucleotides with PKA, PKG and Epac-implementing microcalorimetry to determine PDE activities. <i>BMC Pharmacology</i> , 2007, 7, .	0.4	0
46	Quantification of cAMP and cGMP analogs in intact cells: pitfalls in enzyme immunoassays for cyclic nucleotides. <i>BMC Pharmacology</i> , 2011, 11, .	0.4	0
47	Activation of cGMP-dependent protein kinase $\hat{I}\pm$ and cAMP-dependent protein kinase A isoforms by cyclic nucleotides. <i>BMC Pharmacology</i> , 2011, 11, .	0.4	0
48	Biochemical Characterization and Cellular Imaging of a Novel, Membrane Permeable Fluorescent Camp Analog. , 2011, , 107-129.		0