

Lodewijk Dekker

List of Publications by Year in descending order

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66
papers

4,669
citations

109321

35
h-index

118850

62
g-index

68
all docs

68
docs citations

68
times ranked

4373
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein kinase C - a question of specificity. Trends in Biochemical Sciences, 1994, 19, 73-77.	7.5	930
2	Specific Involvement of PKC- μ in Sensitization of the Neuronal Response to Painful Heat. Neuron, 1999, 23, 617-624.	8.1	389
3	Critical research gaps and translational priorities for the successful prevention and treatment of breast cancer. Breast Cancer Research, 2013, 15, R92.	5.0	320
4	Inhibition of noradrenaline release by antibodies to B-50 (GAP-43). Nature, 1989, 342, 74-76.	27.8	273
5	Phosphorylation of B-50 (GAP43) Is Correlated with Neurotransmitter Release in Rat Hippocampal Slices. Journal of Neurochemistry, 1989, 52, 24-30.	3.9	184
6	Protein kinase C- β 2 contributes to NADPH oxidase activation in neutrophils. Biochemical Journal, 2000, 347, 285-289.	3.7	160
7	Activation of PRK1 by Phosphatidylinositol 4,5-Bisphosphate and Phosphatidylinositol 3,4,5-Trisphosphate. Journal of Biological Chemistry, 1995, 270, 22412-22416.	3.4	125
8	Lipid rafts determine efficiency of NADPH oxidase activation in neutrophils. FEBS Letters, 2003, 550, 101-106.	2.8	122
9	The protein kinase C and protein kinase C related gene families. Current Opinion in Structural Biology, 1995, 5, 396-402.	5.7	117
10	Crystal structure of the C2 domain from protein kinase C- δ . Structure, 1998, 6, 885-894.	3.3	111
11	SIGNAL TRANSDUCTION:Signals to Move Cells. Science, 2000, 287, 982-985.	12.6	106
12	α -nexin α 2 complexes with β 100 proteins: structure, function and pharmacological manipulation. British Journal of Pharmacology, 2015, 172, 1664-1676.	5.4	87
13	Direct interaction between p47phox and protein kinase C: evidence for targeting of protein kinase C by p47phox in neutrophils. Biochemical Journal, 1999, 344, 859-866.	3.7	78
14	Sequential Activation of Rac-1, SEK-1/MKK-4, and Protein Kinase C δ Is Required for Interleukin-6-induced STAT3 Ser-727 Phosphorylation and Transactivation. Journal of Biological Chemistry, 2001, 276, 27709-27715.	3.4	75
15	Noradrenaline Release from Streptolysin O-Permeated Rat Cortical Synaptosomes: Effects of Calcium, Phorbol Esters, Protein Kinase Inhibitors, and Antibodies to the Neuron-Specific Protein Kinase C Substrate B-50 (GAP-43). Journal of Neurochemistry, 1991, 56, 1146-1153.	3.9	74
16	Regulated Binding of the Protein Kinase C Substrate GAP-43 to the V0/C2 Region of Protein Kinase C- δ . Journal of Biological Chemistry, 1997, 272, 12747-12753.	3.4	73
17	Depolarization-Induced Phosphorylation of the Protein Kinase C Substrate B-50 (GAP-43) in Rat Cortical Synaptosomes. Journal of Neurochemistry, 1990, 54, 1645-1652.	3.9	69
18	Regulation of a G protein-gated inwardly rectifying K ⁺ channel by a Ca ²⁺ -independent protein kinase C. Journal of Physiology, 2001, 534, 367-379.	2.9	64

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19	Development and evaluation of human AP endonuclease inhibitors in melanoma and glioma cell lines. <i>British Journal of Cancer</i> , 2011, 104, 653-663.	6.4	63
20	Determination of Changes in the Phosphorylation State of the Neuron-Specific Protein Kinase C Substrate B-50 (GAP43) by Quantitative Immunoprecipitation. <i>Journal of Neurochemistry</i> , 1989, 52, 17-23.	3.9	60
21	Design, Synthesis, and Structure-Activity Relationship Exploration of 1-Substituted 4-Aroyl-3-hydroxy-5-phenyl-1H-pyrrol-2(5H)-one Analogues as Inhibitors of the Annexin A2-S100A10 Protein Interaction. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2080-2094.	6.4	58
22	Protein interactions between surface annexin A2 and S100A10 mediate adhesion of breast cancer cells to microvascular endothelial cells. <i>FEBS Letters</i> , 2013, 587, 3210-3215.	2.8	57
23	Chapter 14: Transmitter release: target of regulation by protein kinase C?. <i>Progress in Brain Research</i> , 1991, 89, 209-233.	1.4	56
24	Protein kinase C- δ C2-like domain is a binding site for actin and enables actin redistribution in neutrophils. <i>Biochemical Journal</i> , 2001, 357, 39-47.	3.7	54
25	Mutagenesis of the regulatory domain of rat protein kinase C- ϵ . A molecular basis for restricted histone kinase activity. <i>Journal of Biological Chemistry</i> , 1993, 268, 19498-504.	3.4	50
26	Protein kinase C- δ contributes to NADPH oxidase activation in neutrophils. <i>Biochemical Journal</i> , 2000, 347, 285.	3.7	49
27	Studies on the Role of B-50 (GAP-43) in the Mechanism of Ca ²⁺ -Induced Noradrenaline Release: Lack of Involvement of Protein Kinase C After the Ca ²⁺ -Trigger. <i>Journal of Neurochemistry</i> , 1993, 60, 1264-1273.	3.9	48
28	Coagulation factor XII protease domain crystal structure. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, 580-591.	3.8	48
29	A Radioimmunoassay for the Phosphoprotein B-50: Distribution in Rat Brain. <i>Journal of Neurochemistry</i> , 1986, 46, 1366-1369.	3.9	47
30	Protein kinase C- β contributes to NADPH oxidase activation in neutrophils. <i>Biochemical Journal</i> , 2000, 347 Pt 1, 285-9.	3.7	47
31	Design, synthesis and SAR exploration of tri-substituted 1,2,4-triazoles as inhibitors of the annexin A2-S100A10 protein interaction. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5378-5391.	3.0	46
32	Strategies to identify ion channel modulators: current and novel approaches to target neuropathic pain. <i>Drug Discovery Today</i> , 2004, 9, 410-418.	6.4	45
33	PKC- δ sensitizes Kir3.1/3.2 channels to changes in membrane phospholipid levels after M3 receptor activation in HEK-293 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C543-C556.	4.6	40
34	Biochemical properties of rat protein kinase C- δ expressed in COS cells. <i>FEBS Letters</i> , 1992, 312, 195-199.	2.8	39
35	UTP Induces Osteopontin Expression through a Coordinate Action of NF- κ B, Activator Protein-1, and Upstream Stimulatory Factor in Arterial Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 2708-2713.	3.4	39
36	N-Formyl peptide receptor subtypes in human neutrophils activate l-plastin phosphorylation through different signal transduction intermediates. <i>Biochemical Journal</i> , 2004, 377, 469-477.	3.7	34

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37	Three-Dimensional Pharmacophore Design and Biochemical Screening Identifies Substituted 1,2,4-Triazoles as Inhibitors of the Annexin A2-S100A10 Protein Interaction. <i>ChemMedChem</i> , 2012, 7, 1435-1446.	3.2	34
38	Concise Review: Emerging Drugs Targeting Epithelial Cancer Stem-Like Cells. <i>Stem Cells</i> , 2017, 35, 839-850.	3.2	34
39	Protein kinase C- δ C2-like domain is a binding site for actin and enables actin redistribution in neutrophils. <i>Biochemical Journal</i> , 2001, 357, 39.	3.7	32
40	Evidence for a relationship between B-50 (GAP-43) and [3H]noradrenaline release in rat brain synaptosomes. <i>European Journal of Pharmacology</i> , 1990, 188, 113-122.	2.6	31
41	Direct interaction between p47phox and protein kinase C: evidence for targeting of protein kinase C by p47phox in neutrophils. <i>Biochemical Journal</i> , 1999, 344, 859.	3.7	30
42	Direct interaction between p47phox and protein kinase C: evidence for targeting of protein kinase C by p47phox in neutrophils. <i>Biochemical Journal</i> , 1999, 344 Pt 3, 859-66.	3.7	27
43	Analysis of human Nav1.8 expressed in SH-SY5Y neuroblastoma cells. <i>European Journal of Pharmacology</i> , 2005, 528, 52-58.	3.5	26
44	Altered substrate selectivity of PKC- δ pseudosubstrate site mutants. <i>FEBS Letters</i> , 1993, 329, 129-133.	2.8	21
45	Interferon alpha induces protein kinase C-epsilon (PKC-epsilon) gene expression and a 4.7-kb PKC-epsilon-related transcript. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 6944-6948.	7.1	18
46	Involvement of protein kinase D in Fc γ 3-receptor activation of the NADPH oxidase in neutrophils. <i>Biochemical Journal</i> , 2002, 363, 95-103.	3.7	18
47	Subcellular localisation of the p40phox component of NADPH oxidase involves direct interactions between the Phox homology domain and F-actin. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1736-1743.	2.8	18
48	Modulation of B-50 Phosphorylation and Polyphosphoinositide Metabolism in Synaptic Plasma Membranes by Protein Kinase C, Phorbol Diesters and Actin. <i>Journal of Receptors and Signal Transduction</i> , 1988, 8, 345-361.	1.2	17
49	Crystal structures of the recombinant β -factor XIIa protease with bound Thr-Arg and Pro-Arg substrate mimetics. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 578-591.	2.3	14
50	Involvement of protein kinase D in Fc γ 3-receptor activation of the NADPH oxidase in neutrophils. <i>Biochemical Journal</i> , 2002, 363, 95.	3.7	13
51	A Cy5-Labeled S100A10 Tracer Used to Identify Inhibitors of the Protein Interaction With Annexin A2. <i>Assay and Drug Development Technologies</i> , 2010, 8, 85-95.	1.2	12
52	Annexin A2 antibodies but not inhibitors of the annexin A2 heterotetramer impair productive HIV-1 infection of macrophages in vitro. <i>Virology Journal</i> , 2016, 13, 187.	3.4	12
53	Assessment of the protein interaction between coagulation factor XII and corn trypsin inhibitor by molecular docking and biochemical validation. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 1818-1828.	3.8	11
54	Assessment of the cellular localisation of the annexin A2/S100A10 complex in human placenta. <i>Journal of Molecular Histology</i> , 2018, 49, 531-543.	2.2	11

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55	The Role of Protein Kinase C Substrate B-50 (GAP-43) in Neurotransmitter Release and Long-Term Potentiation. <i>Advances in Experimental Medicine and Biology</i> , 1990, 268, 347-358.	1.6	11
56	Components and Organisation of the NADPH Oxidase of Phagocytic Cells, the Paradigm for an Electron Transport Chain across the Plasma Membrane. , 1998, , 69-101.		11
57	Components and organization of the nadph oxidase of phagocytic cells. <i>Advances in Cellular and Molecular Biology of Membranes and Organelles</i> , 1999, 5, 441-483.	0.3	7
58	PKC in rat cortical synaptosomes. <i>NeuroReport</i> , 1996, 8, 323-327.	1.2	6
59	Alkylation of Staurosporine to Derive a Kinase Probe for Fluorescence Applications. <i>ChemMedChem</i> , 2016, 11, 972-979.	3.2	6
60	Preliminary X-ray analysis of a C2-like domain from protein kinase C- $\hat{\gamma}$. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998, 54, 693-696.	2.5	4
61	Use of BODIPY-Labeled ATP Analogues in the Development and Validation of a Fluorescence Polarization-Based Assay for Screening of Kinase Inhibitors. <i>ACS Omega</i> , 2020, 5, 9064-9070.	3.5	4
62	Protein Kinase C as an Effector of Lipid-Derived Second Messengers. <i>Methods in Molecular Biology</i> , 2009, 462, 1-11.	0.9	1
63	NaV1.8 as a drug target for pain. , 2005, , 123-143.		1
64	The Role of Protein Phosphorylation in Long-Term Potentiation. , 1988, , 235-248.		1
65	Asymmetric signal transduction. <i>Science</i> , 2000, 287, 983-983.	12.6	1
66	Editorial: Novel approaches to drug discovery in signal transduction. <i>Biotechnology Journal</i> , 2008, 3, 428-429.	3.5	0