# Lodewijk Dekker

List of Publications by Year
in descending order



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|---|---|---|---|
| 66 papers | 4,669 citations | 109137 35 h-index | 118652 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. | 3.7 | 930 |
| 2 | Specific Involvement of PKC-Îµ in Sensitization of the Neuronal Response to Painful Heat. Neuron, 1999, 23, 617-624. | 3.8 | 389 |
| 3 | Critical research gaps and translational priorities for the successful prevention and treatment of breast cancer. Breast Cancer Research, 2013, 15, R92. | 2.2 | 320 |
| 4 | Inhibition of noradrenaline release by antibodies to B-50 (GAP-43). Nature, 1989, 342, 74-76. | 13.7 | 273 |
| 5 | Phosphorylation of B-50 (GAP43) Is Correlated with Neurotransmitter Release in Rat Hippocampal Slices. Journal of Neurochemistry, 1989, 52, 24-30. | 2.1 | 184 |
| 6 | Protein kinase C-Î² contributes to NADPH oxidase activation in neutrophils. Biochemical Journal, 2000, 347, 285-289. | 1.7 | 160 |
| 7 | Activation of PRK1 by Phosphatidylinositol 4,5-Bisphosphate and Phosphatidylinositol 3,4,5-Trisphosphate. Journal of Biological Chemistry, 1995, 270, 22412-22416. | 1.6 | 125 |
| 8 | Lipid rafts determine efficiency of NADPH oxidase activation in neutrophils. FEBS Letters, 2003, 550, 101-106. | 1.3 | 122 |
| 9 | The protein kinase C and protein kinase C related gene families. Current Opinion in Structural Biology, 1995, 5, 396-402. | 2.6 | 117 |
| 10 | Crystal structure of the C2 domain from protein kinase C-Î´. Structure, 1998, 6, 885-894. | 1.6 | 111 |
| 11 | SIGNAL TRANSDUCTION:Signals to Move Cells. Science, 2000, 287, 982-985. | 6.0 | 106 |
| 12 | <scp>A</scp>nnexin <scp>A</scp>2 complexes with <scp>S</scp>100 proteins: structure, function and pharmacological manipulation. British Journal of Pharmacology, 2015, 172, 1664-1676. | 2.7 | 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. | 1.7 | 78 |
| 14 | Sequential Activation of Rac-1, SEK-1/MKK-4, and Protein Kinase CÎ´ Is Required for Interleukin-6-induced STAT3 Ser-727 Phosphorylation and Transactivation. Journal of Biological Chemistry, 2001, 276, 27709-27715. | 1.6 | 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. | 2.1 | 74 |
| 16 | Regulated Binding of the Protein Kinase C Substrate GAP-43 to the V0/C2 Region of Protein Kinase C-Î´. Journal of Biological Chemistry, 1997, 272, 12747-12753. | 1.6 | 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. | 2.1 | 69 |
| 18 | Regulation of a G protein-gated inwardly rectifying K+channel by a Ca2+-independent protein kinase C. Journal of Physiology, 2001, 534, 367-379. | 1.3 | 64 |

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|---|---|---|---|
| 19 | Development and evaluation of human AP endonuclease inhibitors in melanoma and glioma cell lines. British Journal of Cancer, 2011, 104, 653-663. | 2.9 | 63 |
| 20 | Determination of Changes in the Phosphorylation State of the Neuron-Specific Protein Kinase C Substrate B-50 (GAP43) by Quantitative Immunoprecipitation. Journal of Neurochemistry, 1989, 52, 17-23. | 2.1 | 60 |
| 21 | Design, Synthesis, and Structureâ^'Activity Relationship Exploration of 1-Substituted 4-Aroyl-3-hydroxy-5-phenyl-1H-pyrrol-2(5H)-one Analogues as Inhibitors of the Annexin A2â^'S100A10 Protein Interaction. Journal of Medicinal Chemistry, 2011, 54, 2080-2094. | 2.9 | 58 |
| 22 | Protein interactions between surface annexin A2 and S100A10 mediate adhesion of breast cancer cells to microvascular endothelial cells. FEBS Letters, 2013, 587, 3210-3215. | 1.3 | 57 |
| 23 | Chapter 14: Transmitter release: target of regulation by protein kinase C?. Progress in Brain Research, 1991, 89, 209-233. | 0.9 | 56 |
| 24 | Protein kinase C-Î´ C2-like domain is a binding site for actin and enables actin redistribution in neutrophils. Biochemical Journal, 2001, 357, 39-47. | 1.7 | 54 |
| 25 | Mutagenesis of the regulatory domain of rat protein kinase C-eta. A molecular basis for restricted histone kinase activity. Journal of Biological Chemistry, 1993, 268, 19498-504. | 1.6 | 50 |
| 26 | Protein kinase C-Î² contributes to NADPH oxidase activation in neutrophils. Biochemical Journal, 2000, 347, 285. | 1.7 | 49 |
| 27 | Studies on the Role of B-50 (GAP-43) in the Mechanism of Ca2+-Induced Noradrenaline Release: Lack of Involvement of Protein Kinase C After the Ca2+Trigger. Journal of Neurochemistry, 1993, 60, 1264-1273. | 2.1 | 48 |
| 28 | Coagulation factorÂXII protease domain crystal structure. Journal of Thrombosis and Haemostasis, 2015, 13, 580-591. | 1.9 | 48 |
| 29 | A Radioimmunoassay for the Phosphoprotein B-50: Distribution in Rat Brain. Journal of Neurochemistry, 1986, 46, 1366-1369. | 2.1 | 47 |
| 30 | Protein kinase C-beta contributes to NADPH oxidase activation in neutrophils. Biochemical Journal, 2000, 347 Pt 1, 285-9. | 1.7 | 47 |
| 31 | Design, synthesis and SAR exploration of tri-substituted 1,2,4-triazoles as inhibitors of the annexin A2â€“S100A10 protein interaction. Bioorganic and Medicinal Chemistry, 2014, 22, 5378-5391. | 1.4 | 46 |
| 32 | Strategies to identify ion channel modulators: current and novel approaches to target neuropathic pain. Drug Discovery Today, 2004, 9, 410-418. | 3.2 | 45 |
| 33 | PKC-Î´ sensitizes Kir3.1/3.2 channels to changes in membrane phospholipid levels after M3 receptor activation in HEK-293 cells. American Journal of Physiology - Cell Physiology, 2005, 289, C543-C556. | 2.1 | 40 |
| 34 | Biochemical properties of rat protein kinase C-Î· expressed in COS cells. FEBS Letters, 1992, 312, 195-199. | 1.3 | 39 |
| 35 | UTP Induces Osteopontin Expression through a Coordinate Action of NFÎºB, Activator Protein-1, and Upstream Stimulatory Factor in Arterial Smooth Muscle Cells. Journal of Biological Chemistry, 2005, 280, 2708-2713. | 1.6 | 39 |
| 36 | N-Formyl peptide receptor subtypes in human neutrophils activate l-plastin phosphorylation through different signal transduction intermediates. Biochemical Journal, 2004, 377, 469-477. | 1.7 | 34 |

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| 37 | Threeâ€Dimensional Pharmacophore Design and Biochemical Screening Identifies Substituted 1,2,4â€Triazoles as Inhibitors of the Annexinâ€…A2â€“S100A10 Protein Interaction. ChemMedChem, 2012, 7, 1435-1446. | 1.6 | 34 |
| 38 | Concise Review: Emerging Drugs Targeting Epithelial Cancer Stem-Like Cells. Stem Cells, 2017, 35, 839-850. | 1.4 | 34 |
| 39 | Protein kinase C-Î´ C2-like domain is a binding site for actin and enables actin redistribution in neutrophils. Biochemical Journal, 2001, 357, 39. | 1.7 | 32 |
| 40 | Evidence for a relationship between B-50 (GAP-43) and [3H]noradrenaline release in rat brain synaptosomes. European Journal of Pharmacology, 1990, 188, 113-122. | 2.7 | 31 |
| 41 | Direct interaction between p47phox and protein kinase C: evidence for targeting of protein kinase C by p47phox in neutrophils. Biochemical Journal, 1999, 344, 859. | 1.7 | 30 |
| 42 | Direct interaction between p47phox and protein kinase C: evidence for targeting of protein kinase C by p47phox in neutrophils. Biochemical Journal, 1999, 344 Pt 3, 859-66. | 1.7 | 27 |
| 43 | Analysis of human Nav1.8 expressed in SH-SY5Y neuroblastoma cells. European Journal of Pharmacology, 2005, 528, 52-58. | 1.7 | 26 |
| 44 | Altered substrate selectivity of PKC-Î· pseudosubstrate site mutants. FEBS Letters, 1993, 329, 129-133. | 1.3 | 21 |
| 45 | Interferon alpha induces protein kinase C-epsilon (PKC-epsilon) gene expression and a 4.7-kb PKC-epsilon-related transcript.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 6944-6948. | 3.3 | 18 |
| 46 | Involvement of protein kinase D in FcÎ³-receptor activation of the NADPH oxidase in neutrophils. Biochemical Journal, 2002, 363, 95-103. | 1.7 | 18 |
| 47 | Subcellular localisation of the p40phox component of NADPH oxidase involves direct interactions between the Phox homology domain and F-actin. International Journal of Biochemistry and Cell Biology, 2010, 42, 1736-1743. | 1.2 | 18 |
| 48 | Modulation of B-50 Phosphorylation and Polyphosphoinositide Metabolism in Synaptic Plasma Membranes by Protein Kinase C, Phorbol Diesters and Acth. Journal of Receptors and Signal Transduction, 1988, 8, 345-361. | 1.2 | 17 |
| 49 | Crystal structures of the recombinant Î²-factor XIIa protease with bound Thr-Arg and Pro-Arg substrate mimetics. Acta Crystallographica Section D: Structural Biology, 2019, 75, 578-591. | 1.1 | 14 |
| 50 | Involvement of protein kinase D in FcÎ³-receptor activation of the NADPH oxidase in neutrophils. Biochemical Journal, 2002, 363, 95. | 1.7 | 13 |
| 51 | A Cy5-Labeled S100A10 Tracer Used to Identify Inhibitors of the Protein Interaction With Annexin A2. Assay and Drug Development Technologies, 2010, 8, 85-95. | 0.6 | 12 |
| 52 | Annexin A2 antibodies but not inhibitors of the annexin A2 heterotetramer impair productive HIV-1 infection of macrophages in vitro. Virology Journal, 2016, 13, 187. | 1.4 | 12 |
| 53 | Assessment of the protein interaction between coagulation factorÂXII and corn trypsin inhibitor by molecular docking and biochemical validation. Journal of Thrombosis and Haemostasis, 2017, 15, 1818-1828. | 1.9 | 11 |
| 54 | Assessment of the cellular localisation of the annexin A2/S100A10 complex in human placenta. Journal of Molecular Histology, 2018, 49, 531-543. | 1.0 | 11 |

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|---|---|---|---|
| 55 | The Role of Protein Kinase C Substrate B-50 (GAP-43) in Neurotransmitter Release and Long-Term Potentiation. Advances in Experimental Medicine and Biology, 1990, 268, 347-358. | 0.8 | 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. Advances in Cellular and Molecular Biology of Membranes and Organelles, 1999, 5, 441-483. | 0.3 | 7 |
| 58 | PKC in rat cortical synaptosomes. NeuroReport, 1996, 8, 323-327. | 0.6 | 6 |
| 59 | Alkylation of Staurosporine to Derive a Kinase Probe for Fluorescence Applications. ChemMedChem, 2016, 11, 972-979. | 1.6 | 6 |
| 60 | Preliminary X-ray analysis of a C2-like domain from protein kinase C-Î´. Acta Crystallographica Section D: Biological Crystallography, 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. ACS Omega, 2020, 5, 9064-9070. | 1.6 | 4 |
| 62 | Protein Kinase C as an Effector of Lipid-Derived Second Messengers. Methods in Molecular Biology, 2009, 462, 1-11. | 0.4 | 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. Science, 2000, 287, 983-983. | 6.0 | 1 |
| 66 | Editorial: Novel approaches to drug discovery in signal transduction. Biotechnology Journal, 2008, 3, 428-429. | 1.8 | 0 |