Raimo K Tuominen

List of Publications by Year
in descending order

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35 papers	645 citations	687363 13 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	957 citing authors

#	Article	IF	Citations
1	Different in vivo properties of three new inhibitors of catechol Oâ€methyltransferase in the rat. British Journal of Pharmacology, 1992, 105, 569-574.	5.4	86
2	MANF Promotes Differentiation and Migration of Neural Progenitor Cells with Potential Neural Regenerative Effects in Stroke. Molecular Therapy, 2018, 26, 238-255.	8.2	71
3	Design, Synthesis, and Biological Activity of Isophthalic Acid Derivatives Targeted to the C1 Domain of Protein Kinase C. Journal of Medicinal Chemistry, 2009, 52, 3969-3981.	6.4	55
4	Protein Kinase C Activation as a Potential Therapeutic Strategy in Alzheimer's Disease: Is there a Role for Embryonic Lethal Abnormal Visionâ€like Proteins?. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 149-160.	2.5	49
5	Depolarizing Î³â€aminobutyric acid contributes to glutamatergic network rewiring in epilepsy. Annals of Neurology, 2017, 81, 251-265.	5.3	49
6	Evidence for an Additive Neurorestorative Effect of Simultaneously Administered CDNF and GDNF in Hemiparkinsonian Rats: Implications for Different Mechanism of Action. ENeuro, 2017, 4, ENEURO.0117-16.2017.	1.9	47
7	Combination of CDNF and Deep Brain Stimulation Decreases Neurological Deficits in Late-stage Model Parkinsonâ€™s Disease. Neuroscience, 2018, 374, 250-263.	2.3	27
8	C1 Domain-Targeted Isophthalate Derivatives Induce Cell Elongation and Cell Cycle Arrest in HeLa Cells. PLoS ONE, 2011, 6, e20053.	2.5	24
9	Downregulation of tyrosine hydroxylase phenotype after AAV injection above substantia nigra: Caution in experimental models of Parkinson's disease. Journal of Neuroscience Research, 2018, 97, 346-361.	2.9	24
10	Glial Cell Lineâ€“Derived Neurotrophic Factor Receptor Rearranged During Transfection Agonist Supports Dopamine Neurons In Vitro and Enhances Dopamine Release In Vivo. Movement Disorders, 2020, 35, 245-255.	3.9	24
11	Engineered antibody-functionalized porous silicon nanoparticles for therapeutic targeting of pro-survival pathway in endogenous neuroblasts after stroke. Biomaterials, 2020, 227, 119556.	11.4	23
12	Pre-Î±-pro-GDNF and Pre-Î²-pro-GDNF Isoforms Are Neuroprotective in the 6-hydroxydopamine Rat Model of Parkinson's Disease. Frontiers in Neurology, 2018, 9, 457.	2.4	21
13	Redox modulation of intracellular free calcium concentration in thyroid FRTL-5 cells: evidence for an enhanced extrusion of calcium. Biochemical Journal, 1999, 339, 621-628.	3.7	14
14	Methadoneâ€™s effect on nAChRsâ€”a link between methadone use and smoking?. Biochemical Pharmacology, 2015, 97, 542-549.	4.4	13
15	Inhibition of Nicotinic Responses by Cotinine in Bovine Adrenal Chromaffin Cells. Basic and Clinical Pharmacology and Toxicology, 1998, 83, 188-193.	0.0	11
16	Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) Elevates Stimulus-Evoked Release of Dopamine in Freely-Moving Rats. Molecular Neurobiology, 2018, 55, 6755-6768.	4.0	11
17	A Possible Role for Protein Kinase C in the Regulatory Differences between Intra-Abdominal and Subcutaneous Human Adipose Tissue. Clinical Science, 1993, 85, 265-268.	4.3	10
18	Evidence for a role of MRCK in mediating HeLa cell elongation induced by the C1 domain ligand HMI-1a3. European Journal of Pharmaceutical Sciences, 2014, 55, 46-57.	4.0	10

#	Article	IF	Citations
19	Anticancer activity of the protein kinase C modulator HMI â€¹a3 in 2D and 3D cell culture models of androgenâ€responsive and androgenâ€unresponsive prostate cancer. FEBS Open Bio, 2018, 8, 817-828.	2.3	9
20	Morphine Withdrawal Alters Anterior Pituitary Hormone Secretion, Brain Endopeptidase Activity and Brain Monoamine Metabolism in the Rat. Basic and Clinical Pharmacology and Toxicology, 1996, 78, 129-135.	0.0	8
21	Scaffold hopping from (5-hydroxymethyl) isophthalates to multisubstituted pyrimidines diminishes binding affinity to the C1 domain of protein kinase C. PLoS ONE, 2018, 13, e0195668.	2.5	8
22	Missing Selectivity of Targeted 4Î²-Phorbol Prodrugs Expected to be Potential Chemotherapeutics. ACS Medicinal Chemistry Letters, 2020, 11, 671-677.	2.8	8
23	Neuroprotective Potential of a Small Molecule RET Agonist in Cultured Dopamine Neurons and Hemiparkinsonian Rats. Journal of Parkinson's Disease, 2021, 11, 1023-1046.	2.8	8
24	Comparison of the Effects of Intraventricular Taurine, GABA and Homotaurine on Serum Prolactin Levels in Male Rats. Basic and Clinical Pharmacology and Toxicology, 1989, 65, 152-156.	0.0	7
25	C1 domain-targeted isophthalates as protein kinase C modulators: structure-based design, structureâ€“activity relationships and biological activities. Biochemical Society Transactions, 2014, 42, 1543-1549.	3.4	6
26	Beyond the affinity for protein kinase C: exploring 2-phenyl-3-hydroxypropyl pivalate analogues as C1 domain-targeting ligands. MedChemComm, 2015, 6, 547-554.	3.4	6
27	Rigorous Computational Study Reveals What Docking Overlooks: Double Trouble from Membrane Association in Protein Kinase C Modulators. Journal of Chemical Information and Modeling, 2020, 60, 5624-5633.	5.4	6
28	Rat subthalamic stimulation: Evaluating stimulation-induced dyskinesias, choosing stimulation currents and evaluating the anti-akinetic effect in the cylinder test. MethodsX, 2019, 6, 2384-2395.	1.6	4
29	Catechol-O-methyltransferase activity in rat brain primary neuronal and glial cell cultures and its inhibitation by novel drugs. Neuroscience Research Communications, 1999, 25, 71-77.	0.2	2
30	Protein kinase A Mediated Effects of Protein kinase C Partial Agonist HMI-1a3 in Colorectal Cancer Cells. Journal of Pharmacology and Experimental Therapeutics, 2021, , JPET-AR-2021-000848.	2.5	2
31	Nicotine-evoked exocytosis from bovine chromaffin cells is independent of phospholipase D activation. Neuroscience Research Communications, 2000, 26, 93-101.	0.2	1
32	GDNF Receptor Agonist Alleviates Motor Imbalance in Unilateral 6-Hydroxydopamine Model of Parkinson's Disease. , 2020, 1, 100004.		1
33	Receptor-stimulated phospholipase D activity in bovine adrenal chromaffin cells. Neuroscience Research Communications, 1999, 24, 179-185.	0.2	0
34	GDNF, CDNF and MANF have divergent effects on nigrostriatal dopamine neurochemistry in rats. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-52.	0.0	0
35	Effects of the C1 domain-targeted PKC modulator HMI-1a3 on the viability of colon cancer cells in culture. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-10-15.	0.0	0