Kari KeinÃ¤nen

List of Publications by Year
in descending order

51 papers	4,870 citations	185998 28 h-index	189595 50 g-index
51 all docs	51 docs citations	51 times ranked	3034 citing authors

#	Article	IF	Citations
1	Molecular mechanisms controlling synaptic recruitment of GluA4 subunit-containing AMPA-receptors critical for functional maturation of CA1 glutamatergic synapses. Neuropharmacology, 2017, 112, 46-56.	2.0	14
2	Aggregation Limits Surface Expression of Homomeric GluA3 Receptors. Journal of Biological Chemistry, 2016, 291, 8784-8794.	1.6	8
3	The N-terminal Domain Modulates Î±-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) Receptor Desensitization. Journal of Biological Chemistry, 2014, 289, 13197-13205.	1.6	23
4	Post-Synapse Model Cell for Synaptic Glutamate Receptor (GluR)-Based Biosensing: Strategy and Engineering to Maximize Ligand-Gated Ion-Flux Achieving High Signal-to-Noise Ratio. Sensors, 2012, 12, 1035-1041.	2.1	2
5	Autoinactivation of the Stargazinâ€"AMPA Receptor Complex: Subunit-Dependency and Independence from Physical Dissociation. PLoS ONE, 2012, 7, e49282.	1.1	13
6	Engineered synapse model cell: genetic construction and chemical evaluation for reproducible high-throughput analysis. Analytical and Bioanalytical Chemistry, 2010, 396, 1153-1157.	1.9	3
7	Specific gene transfer to neurons, endothelial cells and hematopoietic progenitors with lentiviral vectors. Nature Methods, 2010, 7, 929-935.	9.0	126
8	Analysis of the Potential Role of GluA4 Carboxyl-Terminus in PDZ Interactions. PLoS ONE, 2010, 5, e8715.	1.1	9
9	Ligand-binding Domain Determines Endoplasmic Reticulum Exit of AMPA Receptors. Journal of Biological Chemistry, 2010, 285, 36032-36039.	1.6	29
10	Agonist Occupancy Is Essential for Forward Trafficking of AMPA Receptors. Journal of Neuroscience, 2009, 29, 303-312.	1.7	36
11	Ethanol increases desensitization of recombinant GluR-D AMPA receptor and TARP combinations. Alcohol, 2009, 43, 277-284.	0.8	15
12	KCC2 Interacts with the Dendritic Cytoskeleton to Promote Spine Development. Neuron, 2007, 56, 1019-1033.	3.8	280
13	Isoform-Specific Early Trafficking of AMPA Receptor Flip and Flop Variants. Journal of Neuroscience, 2006, 26, 11220-11229.	1.7	58
14	Stereochemistry of Glutamate Receptor Agonist Efficacy:Â Engineering a Dual-Specificity AMPA/Kainate Receptorâ€. Biochemistry, 2004, 43, 15838-15844.	1.2	23
15	The Three-dimensional Structure of an Ionotropic Glutamate Receptor Reveals a Dimer-of-dimers Assembly. Journal of Molecular Biology, 2004, 344, 435-442.	2.0	113
16	Characterization of the functional role of the N-glycans in the AMPA receptor ligand-binding domain. Journal of Neurochemistry, 2003, 84, 1184-1192.	2.1	17
17	A Biosensing System Based on Extracellular Potential Recording of Ligand-Gated Ion Channel Function Overexpressed in Insect Cells. Analytical Chemistry, 2003, 75, 918-921.	3.2	17
18	Surface Expression of GluR-D AMPA Receptor Is Dependent on an Interaction between Its C-Terminal Domain and a 4.1 Protein. Journal of Neuroscience, 2003, 23, 798-806.	1.7	93

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19	Î±-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor Channels Lacking the N-terminal Domain. Journal of Biological Chemistry, 2002, 277, 49662-49667.	1.6	76
20	Selective Binding of Synapse-associated Protein 97 to GluR-A Î±-Amino-5-hydroxy-3-methyl-4-isoxazole Propionate Receptor Subunit Is Determined by a Novel Sequence Motif. Journal of Biological Chemistry, 2002, 277, 31484-31490.	1.6	81
21	Discrimination between Agonists and Antagonists by the Î±-Amino-3-hydroxy-5-methyl-4-isoxazole Propionic Acid-selective Glutamate Receptor. Journal of Biological Chemistry, 2002, 277, 41940-41947.	1.6	10
22	Determinants of antagonist binding at the Î±-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor subunit, GluR-D. FEBS Journal, 2002, 269, 6261-6270.	0.2	8
23	First Images of a Glutamate Receptor Ion Channel:â€‰ Oligomeric State and Molecular Dimensions of GluRB Homomers. Biochemistry, 2001, 40, 13948-13953.	1.2	64
24	Microscopic characterization of Langmuirâ€“Blodgett films incorporating biosynthetically lipid-tagged antibody. Sensors and Actuators B: Chemical, 2001, 76, 181-186.	4.0	6
25	Large-scale expression and thermodynamic characterization of a glutamate receptor agonist-binding domain. FEBS Journal, 2000, 267, 4281-4289.	0.2	27
26	Use of proteoliposomes to generate phage antibodies against native AMPA receptor. FEBS Journal, 2000, 267, 1382-1389.	0.2	31
27	Engineering, Purification and Applications of His-Tagged Recombinant Antibody Fragments with Specificity for the Major Birch Pollen Allergen, Bet v1. Biological Chemistry, 2000, 381, 39-47.	1.2	13
28	Agonist-induced Isomerization in a Glutamate Receptor Ligand-binding Domain. Journal of Biological Chemistry, 2000, 275, 21355-21363.	1.6	105
29	Oligomerization and Ligand-binding Properties of the Ectodomain of the Î±-Amino-3-hydroxy-5-methyl-4-isoxazole Propionic Acid Receptor Subunit GluRD. Journal of Biological Chemistry, 1999, 274, 28937-28943.	1.6	87
30	A Molecular Envelope of the Ligand-Binding Domain of a Glutamate Receptor in the Presence and Absence of Agonistâ€. Biochemistry, 1999, 38, 10949-10957.	1.2	30
31	Use of a Quartz Crystal Microbalance To Monitor Immunoliposomeâˆ'Antigen Interaction. Analytical Chemistry, 1998, 70, 260-264.	3.2	61
32	Characterization of the kainate-binding domain of the glutamate receptor GluR-6 subunit. Biochemical Journal, 1998, 330, 1461-1467.	1.7	35
33	Disulfide Bonding and Cysteine Accessibility in the Î±-Amino-3-hydroxy-5-methylisoxazole-4-propionic Acid Receptor Subunit GluRD. Journal of Biological Chemistry, 1998, 273, 25132-25138.	1.6	25
34	Phage Display Selection on Whole Cells Yields a Peptide Specific for Melanocortin Receptor 1. Journal of Biological Chemistry, 1997, 272, 27943-27948.	1.6	77
35	A Fluoroimmunoassay Based on Immunoliposomes Containing Genetically Engineered Lipid-Tagged Antibody. Analytical Chemistry, 1997, 69, 1295-1298.	3.2	19
36	Baculoviral Display of the Green Fluorescent Protein and Rubella Virus Envelope Proteins. Biochemical and Biophysical Research Communications, 1997, 238, 717-722.	1.0	73

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37	Highly efficient production of GFP and its derivatives in insect cells for visual in vitro applications. FEBS Letters, 1996, 389, 238-243.	1.3	30
38	Expression of Functional Melanocortin 1 Receptors in Insect Cells. Biochemical and Biophysical Research Communications, 1996, 221, 807-814.	1.0	27
39	Secretion of Green Fluorescent Protein from Recombinant Baculovirus-Infected Insect Cells. Biochemical and Biophysical Research Communications, 1996, 226, 755-761.	1.0	37
40	Characterization of the Ligand-binding Domains of Glutamate Receptor (GluR)-B and GluR-D Subunits Expressed in as Periplasmic Proteins. Journal of Biological Chemistry, 1996, 271, 15527-15532.	1.6	61
41	Purification of Recombinant GluR-D Glutamate Receptor Produced in Sf21 Insect Cells. FEBS Journal, 1995, 233, 720-726.	0.2	36
42	Use of genetically engineered lipid-tagged antibody to generate functional europium chelate-loaded liposomes Application in fluoroimmunoassay. Journal of Immunological Methods, 1995, 185, 95-102.	0.6	28
43	High-level Expression of Functional Glutamate Receptor Channels in Insect Cells. Nature Biotechnology, 1994, 12, 802-806.	9.4	23
44	Biosynthetic lipid-tagging of antibodies. FEBS Letters, 1994, 346, 123-126.	1.3	15
45	Lipid-tagged antibodies: bacterial expression and characterization of a lipoproteinâ€"single-chain antibody fusion protein. Protein Engineering, Design and Selection, 1993, 6, 449-454.	1.0	38
46	High-affinity kainate a domoate receptors in rat brain. FEBS Letters, 1992, 307, 139-143.	1.3	128
47	Cloning, pharmacological characteristics and expression pattern of the rat GABAA receptor Î±4 subunit. FEBS Letters, 1991, 289, 227-230.	1.3	241
48	Cloning of a putative high-affinity kainate receptor expressed predominantly in hippocampal CA3 cells. Nature, 1991, 351, 742-744.	13.7	448
49	Molecular Biology of Glutamate-Gated Channels: Focus on AMPA and Kainate. , 1991, , 17-41.		0
50	Cerebellar GABAA receptor selective for a behavioural alcohol antagonist. Nature, 1990, 346, 648-651.	13.7	562
51	A family of AMPA-selective glutamate receptors. Science, 1990, 249, 556-560.	6.0	1,489