

Kari Keinänen

List of Publications by Year in descending order

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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	A family of AMPA-selective glutamate receptors. <i>Science</i> , 1990, 249, 556-560.	6.0	1,489
2	Cerebellar GABAA receptor selective for a behavioural alcohol antagonist. <i>Nature</i> , 1990, 346, 648-651.	13.7	562
3	Cloning of a putative high-affinity kainate receptor expressed predominantly in hippocampal CA3 cells. <i>Nature</i> , 1991, 351, 742-744.	13.7	448
4	KCC2 Interacts with the Dendritic Cytoskeleton to Promote Spine Development. <i>Neuron</i> , 2007, 56, 1019-1033.	3.8	280
5	Cloning, pharmacological characteristics and expression pattern of the rat GABAA receptor $\hat{\iota}$ 4 subunit. <i>FEBS Letters</i> , 1991, 289, 227-230.	1.3	241
6	High-affinity kainate and domoate receptors in rat brain. <i>FEBS Letters</i> , 1992, 307, 139-143.	1.3	128
7	Specific gene transfer to neurons, endothelial cells and hematopoietic progenitors with lentiviral vectors. <i>Nature Methods</i> , 2010, 7, 929-935.	9.0	126
8	The Three-dimensional Structure of an Ionotropic Glutamate Receptor Reveals a Dimer-of-dimers Assembly. <i>Journal of Molecular Biology</i> , 2004, 344, 435-442.	2.0	113
9	Agonist-induced Isomerization in a Glutamate Receptor Ligand-binding Domain. <i>Journal of Biological Chemistry</i> , 2000, 275, 21355-21363.	1.6	105
10	Surface Expression of GluR-D AMPA Receptor Is Dependent on an Interaction between Its C-Terminal Domain and a 4.1 Protein. <i>Journal of Neuroscience</i> , 2003, 23, 798-806.	1.7	93
11	Oligomerization and Ligand-binding Properties of the Ectodomain of the $\hat{\iota}$ -Amino-3-hydroxy-5-methyl-4-isoxazole Propionic Acid Receptor Subunit GluRD. <i>Journal of Biological Chemistry</i> , 1999, 274, 28937-28943.	1.6	87
12	Selective Binding of Synapse-associated Protein 97 to GluR-A $\hat{\iota}$ -Amino-5-hydroxy-3-methyl-4-isoxazole Propionate Receptor Subunit Is Determined by a Novel Sequence Motif. <i>Journal of Biological Chemistry</i> , 2002, 277, 31484-31490.	1.6	81
13	Phage Display Selection on Whole Cells Yields a Peptide Specific for Melanocortin Receptor 1. <i>Journal of Biological Chemistry</i> , 1997, 272, 27943-27948.	1.6	77
14	$\hat{\iota}$ -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor Channels Lacking the N-terminal Domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 49662-49667.	1.6	76
15	Baculoviral Display of the Green Fluorescent Protein and Rubella Virus Envelope Proteins. <i>Biochemical and Biophysical Research Communications</i> , 1997, 238, 717-722.	1.0	73
16	First Images of a Glutamate Receptor Ion Channel: $\hat{\iota}$ Oligomeric State and Molecular Dimensions of GluRB Homomers. <i>Biochemistry</i> , 2001, 40, 13948-13953.	1.2	64
17	Characterization of the Ligand-binding Domains of Glutamate Receptor (GluR)-B and GluR-D Subunits Expressed in as Periplasmic Proteins. <i>Journal of Biological Chemistry</i> , 1996, 271, 15527-15532.	1.6	61
18	Use of a Quartz Crystal Microbalance To Monitor Immunoliposome $\hat{\iota}$ Antigen Interaction. <i>Analytical Chemistry</i> , 1998, 70, 260-264.	3.2	61

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19	Isoform-Specific Early Trafficking of AMPA Receptor Flip and Flop Variants. <i>Journal of Neuroscience</i> , 2006, 26, 11220-11229.	1.7	58
20	Lipid-tagged antibodies: bacterial expression and characterization of a lipoprotein single-chain antibody fusion protein. <i>Protein Engineering, Design and Selection</i> , 1993, 6, 449-454.	1.0	38
21	Secretion of Green Fluorescent Protein from Recombinant Baculovirus-Infected Insect Cells. <i>Biochemical and Biophysical Research Communications</i> , 1996, 226, 755-761.	1.0	37
22	Purification of Recombinant GluR-D Glutamate Receptor Produced in Sf21 Insect Cells. <i>FEBS Journal</i> , 1995, 233, 720-726.	0.2	36
23	Agonist Occupancy Is Essential for Forward Trafficking of AMPA Receptors. <i>Journal of Neuroscience</i> , 2009, 29, 303-312.	1.7	36
24	Characterization of the kainate-binding domain of the glutamate receptor GluR-6 subunit. <i>Biochemical Journal</i> , 1998, 330, 1461-1467.	1.7	35
25	Use of proteoliposomes to generate phage antibodies against native AMPA receptor. <i>FEBS Journal</i> , 2000, 267, 1382-1389.	0.2	31
26	Highly efficient production of GFP and its derivatives in insect cells for visual in vitro applications. <i>FEBS Letters</i> , 1996, 389, 238-243.	1.3	30
27	A Molecular Envelope of the Ligand-Binding Domain of a Glutamate Receptor in the Presence and Absence of Agonist. <i>Biochemistry</i> , 1999, 38, 10949-10957.	1.2	30
28	Ligand-binding Domain Determines Endoplasmic Reticulum Exit of AMPA Receptors. <i>Journal of Biological Chemistry</i> , 2010, 285, 36032-36039.	1.6	29
29	Use of genetically engineered lipid-tagged antibody to generate functional europium chelate-loaded liposomes Application in fluoroimmunoassay. <i>Journal of Immunological Methods</i> , 1995, 185, 95-102.	0.6	28
30	Expression of Functional Melanocortin 1 Receptors in Insect Cells. <i>Biochemical and Biophysical Research Communications</i> , 1996, 221, 807-814.	1.0	27
31	Large-scale expression and thermodynamic characterization of a glutamate receptor agonist-binding domain. <i>FEBS Journal</i> , 2000, 267, 4281-4289.	0.2	27
32	Disulfide Bonding and Cysteine Accessibility in the α -Amino-3-hydroxy-5-methylisoxazole-4-propionic Acid Receptor Subunit GluRD. <i>Journal of Biological Chemistry</i> , 1998, 273, 25132-25138.	1.6	25
33	High-level Expression of Functional Glutamate Receptor Channels in Insect Cells. <i>Nature Biotechnology</i> , 1994, 12, 802-806.	9.4	23
34	Stereochemistry of Glutamate Receptor Agonist Efficacy: Engineering a Dual-Specificity AMPA/Kainate Receptor. <i>Biochemistry</i> , 2004, 43, 15838-15844.	1.2	23
35	The N-terminal Domain Modulates α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) Receptor Desensitization. <i>Journal of Biological Chemistry</i> , 2014, 289, 13197-13205.	1.6	23
36	A Fluoroimmunoassay Based on Immunoliposomes Containing Genetically Engineered Lipid-Tagged Antibody. <i>Analytical Chemistry</i> , 1997, 69, 1295-1298.	3.2	19

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37	Characterization of the functional role of the N-glycans in the AMPA receptor ligand-binding domain. <i>Journal of Neurochemistry</i> , 2003, 84, 1184-1192.	2.1	17
38	A Biosensing System Based on Extracellular Potential Recording of Ligand-Gated Ion Channel Function Overexpressed in Insect Cells. <i>Analytical Chemistry</i> , 2003, 75, 918-921.	3.2	17
39	Biosynthetic lipid-tagging of antibodies. <i>FEBS Letters</i> , 1994, 346, 123-126.	1.3	15
40	Ethanol increases desensitization of recombinant GluR-D AMPA receptor and TARP combinations. <i>Alcohol</i> , 2009, 43, 277-284.	0.8	15
41	Molecular mechanisms controlling synaptic recruitment of GluA4 subunit-containing AMPA-receptors critical for functional maturation of CA1 glutamatergic synapses. <i>Neuropharmacology</i> , 2017, 112, 46-56.	2.0	14
42	Engineering, Purification and Applications of His-Tagged Recombinant Antibody Fragments with Specificity for the Major Birch Pollen Allergen, Bet v1. <i>Biological Chemistry</i> , 2000, 381, 39-47.	1.2	13
43	Autoinactivation of the Stargazin AMPA Receptor Complex: Subunit-Dependency and Independence from Physical Dissociation. <i>PLoS ONE</i> , 2012, 7, e49282.	1.1	13
44	Discrimination between Agonists and Antagonists by the α -Amino-3-hydroxy-5-methyl-4-isoxazole Propionic Acid-selective Glutamate Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 41940-41947.	1.6	10
45	Analysis of the Potential Role of GluA4 Carboxyl-Terminus in PDZ Interactions. <i>PLoS ONE</i> , 2010, 5, e8715.	1.1	9
46	Determinants of antagonist binding at the α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor subunit, GluR-D. <i>FEBS Journal</i> , 2002, 269, 6261-6270.	0.2	8
47	Aggregation Limits Surface Expression of Homomeric GluA3 Receptors. <i>Journal of Biological Chemistry</i> , 2016, 291, 8784-8794.	1.6	8
48	Microscopic characterization of Langmuir-Blodgett films incorporating biosynthetically lipid-tagged antibody. <i>Sensors and Actuators B: Chemical</i> , 2001, 76, 181-186.	4.0	6
49	Engineered synapse model cell: genetic construction and chemical evaluation for reproducible high-throughput analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1153-1157.	1.9	3
50	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. <i>Sensors</i> , 2012, 12, 1035-1041.	2.1	2
51	Molecular Biology of Glutamate-Gated Channels: Focus on AMPA and Kainate. , 1991, , 17-41.		0