

Sang Hyoung Lee

List of Publications by Year in descending order

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32
papers

3,312
citations

218677
26
h-index

414414
32
g-index

32
all docs

32
docs citations

32
times ranked

3580
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct molecular mechanisms and divergent endocytotic pathways of AMPA receptor internalization. <i>Nature Neuroscience</i> , 2000, 3, 1282-1290.	14.8	523
2	Clathrin Adaptor AP2 and NSF Interact with Overlapping Sites of GluR2 and Play Distinct Roles in AMPA Receptor Trafficking and Hippocampal LTD. <i>Neuron</i> , 2002, 36, 661-674.	8.1	390
3	Tyrosine phosphorylation of GluR2 is required for insulin-stimulated AMPA receptor endocytosis and LTD. <i>EMBO Journal</i> , 2004, 23, 1040-1050.	7.8	267
4	The role of CaMKII as an F-actin-bundling protein crucial for maintenance of dendritic spine structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6418-6423.	7.1	266
5	Subunit Rules Governing the Sorting of Internalized AMPA Receptors in Hippocampal Neurons. <i>Neuron</i> , 2004, 43, 221-236.	8.1	241
6	AMPA Receptor Trafficking and the Control of Synaptic Transmission. <i>Cell</i> , 2001, 105, 825-828.	28.9	188
7	Identification of a Novel Divergent Calmodulin Isoform from Soybean Which Has Differential Ability to Activate Calmodulin-dependent Enzymes. <i>Journal of Biological Chemistry</i> , 1995, 270, 21806-21812.	3.4	139
8	Mlo, a Modulator of Plant Defense and Cell Death, Is a Novel Calmodulin-binding Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 19304-19314.	3.4	130
9	GKAP orchestrates activity-dependent postsynaptic protein remodeling and homeostatic scaling. <i>Nature Neuroscience</i> , 2012, 15, 1655-1666.	14.8	119
10	Development of neuron-neuron synapses. <i>Current Opinion in Neurobiology</i> , 2000, 10, 125-131.	4.2	101
11	Differential regulation of Ca ²⁺ /calmodulin-dependent enzymes by plant calmodulin isoforms and free Ca ²⁺ concentration. <i>Biochemical Journal</i> , 2000, 350, 299-306.	3.7	77
12	Molecular determinants for the interaction between AMPA receptors and the clathrin adaptor complex AP-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2991-2996.	7.1	77
13	Differential roles of Rap1 and Rap2 small GTPases in neurite retraction and synapse elimination in hippocampal spiny neurons. <i>Journal of Neurochemistry</i> , 2007, 100, 118-131.	3.9	75
14	AMPA receptor trafficking and synaptic plasticity: major unanswered questions. <i>Neuroscience Research</i> , 2003, 46, 127-134.	1.9	69
15	Differential Activation of NAD Kinase by Plant Calmodulin Isoforms THE CRITICAL ROLE OF DOMAIN I. <i>Journal of Biological Chemistry</i> , 1997, 272, 9252-9259.	3.4	68
16	Reciprocal Regulation of Mammalian Nitric Oxide Synthase and Calcineurin by Plant Calmodulin Isoforms. <i>Biochemistry</i> , 1998, 37, 15593-15597.	2.5	65
17	Biochemical and morphological characterization of an intracellular membrane compartment containing AMPA receptors. <i>Neuropharmacology</i> , 2001, 41, 680-692.	4.1	59
18	Plk2 attachment to NSF induces homeostatic removal of GluA2 during chronic overexcitation. <i>Nature Neuroscience</i> , 2010, 13, 1199-1207.	14.8	58

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19	A new class II rice chitinase, Rcht2, whose induction by fungal elicitor is abolished by protein phosphatase 1 and 2A inhibitor. <i>Plant Molecular Biology</i> , 1998, 37, 523-534.	3.9	56
20	S-SCAM/MAGI-2 Is an Essential Synaptic Scaffolding Molecule for the GluA2-Containing Maintenance Pool of AMPA Receptors. <i>Journal of Neuroscience</i> , 2012, 32, 6967-6980.	3.6	50
21	SynPanal: Software for Rapid Quantification of the Density and Intensity of Protein Puncta from Fluorescence Microscopy Images of Neurons. <i>PLoS ONE</i> , 2014, 9, e115298.	2.5	49
22	Growth of the NMDA receptor industrial complex. <i>Nature Neuroscience</i> , 2000, 3, 633-635.	14.8	46
23	Competitive binding of calmodulin isoforms to calmodulin-binding proteins: implication for the function of calmodulin isoforms in plants. <i>BBA - Proteins and Proteomics</i> , 1999, 1433, 56-67.	2.1	44
24	Reciprocal control of excitatory synapse numbers by Wnt and Wnt inhibitor PRR7 secreted on exosomes. <i>Nature Communications</i> , 2018, 9, 3434.	12.8	42
25	Targeted knockout of a chemokine-like gene increases anxiety and fear responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1041-E1050.	7.1	39
26	Identification of Calmodulin Isoform-specific Binding Peptides from a Phage-displayed Random 22-mer Peptide Library. <i>Journal of Biological Chemistry</i> , 2002, 277, 21630-21638.	3.4	29
27	S-SCAM, A Rare Copy Number Variation Gene, Induces Schizophrenia-Related Endophenotypes in Transgenic Mouse Model. <i>Journal of Neuroscience</i> , 2015, 35, 1892-1904.	3.6	19
28	Aberrant expression of S-SCAM causes the loss of GABAergic synapses in hippocampal neurons. <i>Scientific Reports</i> , 2020, 10, 83.	3.3	10
29	Role of TARP interaction in S-SCAM-mediated regulation of AMPA receptors. <i>Channels</i> , 2012, 6, 393-397.	2.8	9
30	Ottogi Inhibits Wnt/ β -catenin Signaling by Regulating Cell Membrane Trafficking of Frizzled8. <i>Scientific Reports</i> , 2017, 7, 13278.	3.3	3
31	Hydrostatic Pressure Controls Angiogenesis Through Endothelial YAP1 During Lung Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 823642.	4.1	3
32	S-SCAM inhibits Axin-dependent synaptic function of GSK3 β in a sex-dependent manner. <i>Scientific Reports</i> , 2022, 12, 4090.	3.3	1