Doyoun Kim

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5284996/publications.pdf

Version: 2024-02-01

48 papers	1,338 citations	331670 21 h-index	361022 35 g-index
52 all docs	52 docs citations	52 times ranked	2255 citing authors

#	Article	IF	Citations
1	GCN5 maintains muscle integrity by acetylating YY1 to promote dystrophin expression. Journal of Cell Biology, 2022, 221, .	5.2	8
2	Protein interactome and cellâ€type expression analyses reveal that cytoplasmic <scp>FMR1</scp>â€interacting protein 1 (<scp>CYFIP1</scp>), but not <scp>CYFIP2</scp>, associates with astrocytic focal adhesion. Journal of Neurochemistry, 2022, 162, 190-206.	3.9	3
3	SLC6A20 transporter: a novel regulator of brain glycine homeostasis and NMDAR function. EMBO Molecular Medicine, 2021, 13, e12632.	6.9	26
4	A novel de novo heterozygous DYRK1A mutation causes complete loss of DYRK1A function and developmental delay. Scientific Reports, 2020, 10, 9849.	3.3	14
5	Therapeutic Strategies Against COVID-19 and Structural Characterization of SARS-CoV-2: A Review. Frontiers in Microbiology, 2020, 11, 1723.	3.5	69
6	Clmp Regulates AMPA and Kainate Receptor Responses in the Neonatal Hippocampal CA3 and Kainate Seizure Susceptibility in Mice. Frontiers in Synaptic Neuroscience, 2020, 12, 567075.	2.5	5
7	Early correction of synaptic long-term depression improves abnormal anxiety-like behavior in adult GluN2B-C456Y-mutant mice. PLoS Biology, 2020, 18, e3000717.	5.6	36
8	Presynaptic PTPÏƒ regulates postsynaptic NMDA receptor function through direct adhesion-independent mechanisms. ELife, 2020, 9, .	6.0	18
9	Title is missing!. , 2020, 18, e3000717.		0
10	Title is missing!. , 2020, 18, e3000717.		0
11	Title is missing!. , 2020, 18, e3000717.		0
12	Title is missing!. , 2020, 18, e3000717.		0
13	Title is missing!. , 2020, 18, e3000717.		0
14	Title is missing!. , 2020, 18, e3000717.		0
15	Scn2a Haploinsufficiency in Mice Suppresses Hippocampal Neuronal Excitability, Excitatory Synaptic Drive, and Long-Term Potentiation, and Spatial Learning and Memory. Frontiers in Molecular Neuroscience, 2019, 12, 145.	2.9	39
16	A TBR1-K228E Mutation Induces Tbr1 Upregulation, Altered Cortical Distribution of Interneurons, Increased Inhibitory Synaptic Transmission, and Autistic-Like Behavioral Deficits in Mice. Frontiers in Molecular Neuroscience, 2019, 12, 241.	2.9	25
17	Reduced CYFIP2 Stability by Arg87 Variants Causing Human Neurological Disorders. Annals of Neurology, 2019, 86, 803-805.	5.3	11
18	Shank3 Mice Carrying the Human Q321R Mutation Display Enhanced Self-Grooming, Abnormal Electroencephalogram Patterns, and Suppressed Neuronal Excitability and Seizure Susceptibility. Frontiers in Molecular Neuroscience, 2019, 12, 155.	2.9	29

#	Article	IF	Citations
19	Early Correction of N-Methyl-D-Aspartate Receptor Function Improves Autistic-like Social Behaviors in Adult Shank2â^'/â^' Mice. Biological Psychiatry, 2019, 85, 534-543.	1.3	56
20	Sequence preference and structural heterogeneity of BZ junctions. Nucleic Acids Research, 2018, 46, 10504-10513.	14.5	25
21	Lrfn2-Mutant Mice Display Suppressed Synaptic Plasticity and Inhibitory Synapse Development and Abnormal Social Communication and Startle Response. Journal of Neuroscience, 2018, 38, 5872-5887.	3.6	21
22	Structural Insights into Modulation of Neurexin-Neuroligin Trans -synaptic Adhesion by MDGA1/Neuroligin-2 Complex. Neuron, 2017, 94, 1121-1131.e6.	8.1	48
23	Structural and functional study of ChuY from Escherichia coli strain CFT073. Biochemical and Biophysical Research Communications, 2017, 482, 1176-1182.	2.1	9
24	Autosomal dominant transmission of complicated hereditary spastic paraplegia due to a dominant negative mutation of KIF1A, SPG30 gene. Scientific Reports, 2017, 7, 12527.	3.3	45
25	Phosphorylation of CYFIP2, a component of the WAVE-regulatory complex, regulates dendritic spine density and neurite outgrowth in cultured hippocampal neurons potentially by affecting the complex assembly. NeuroReport, 2017, 28, 749-754.	1.2	20
26	LAR-RPTP Clustering Is Modulated by Competitive Binding between Synaptic Adhesion Partners and Heparan Sulfate. Frontiers in Molecular Neuroscience, 2017, 10, 327.	2.9	25
27	Structural and functional studies of a large winged Zâ€<scp>DNA</scp>â€binding domain of Danio rerio protein kinase <scp>PKZ</scp>. FEBS Letters, 2016, 590, 2275-2285.	2.8	20
28	SALM4 suppresses excitatory synapse development by cis-inhibiting trans-synaptic SALM3â€"LAR adhesion. Nature Communications, 2016, 7, 12328.	12.8	30
29	SALM5 trans-synaptically interacts with LAR-RPTPs in a splicing-dependent manner to regulate synapse development. Scientific Reports, 2016, 6, 26676.	3.3	60
30	Photocurrent enhancement of SiNW-FETs by integrating protein-shelled CdSe quantum dots. Nanoscale, 2016, 8, 1921-1925.	5.6	3
31	Synaptic adhesion molecule IgSF11 regulates synaptic transmission and plasticity. Nature Neuroscience, 2016, 19, 84-93.	14.8	48
32	Crystal structure analysis of c4763, a uropathogenicEscherichia coli-specific protein. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 1042-1047.	0.8	1
33	De Novo Mutations in the Motor Domain of KIF1A Cause Cognitive Impairment, Spastic Paraparesis, Axonal Neuropathy, and Cerebellar Atrophy. Human Mutation, 2015, 36, 69-78.	2.5	114
34	Dominant transmission of de novo KIF1A motor domain variant underlying pure spastic paraplegia. European Journal of Human Genetics, 2015, 23, 1427-1430.	2.8	44
35	Structural and kinetic bases for the metal preference of the M18 aminopeptidase from Pseudomonas aeruginosa. Biochemical and Biophysical Research Communications, 2014, 447, 101-107.	2.1	13
36	Distinct Rayleigh Scattering from Hot Spot Mutant p53 Proteins Reveals Cancer Cells. Small, 2014, 10, 2954-2962.	10.0	5

#	Article	IF	Citations
37	Structural basis for LAR-RPTP/Slitrk complex-mediated synaptic adhesion. Nature Communications, 2014, 5, 5423.	12.8	94
38	Distinct Z-DNA binding mode of a PKR-like protein kinase containing a Z-DNA binding domain (PKZ). Nucleic Acids Research, 2014, 42, 5937-5948.	14.5	46
39	Energetics of Z-DNA Binding Protein-Mediated Helicity Reversals in DNA, RNA, and DNAâ€“RNA Duplexes. Journal of Physical Chemistry B, 2013, 117, 13866-13871.	2.6	11
40	Glutamyl Aminopeptidase (Lactococcus). , 2013, , 1631-1635.		0
41	Intrinsic Z-DNA Is Stabilized by the Conformational Selection Mechanism of Z-DNA-Binding Proteins. Journal of the American Chemical Society, 2011, 133, 668-671.	13.7	92
42	Z-DNA Binding Proteins as Targets for Structure-Based Virtual Screening. Current Drug Targets, 2010, 11, 335-344.	2.1	29
43	Structural basis for the substrate specificity of PepA from Streptococcus pneumoniae, a dodecameric tetrahedral protease. Biochemical and Biophysical Research Communications, 2010, 391, 431-436.	2.1	41
44	Base extrusion is found at helical junctions between right- and left-handed forms of DNA and RNA. Nucleic Acids Research, 2009, 37, 4353-4359.	14.5	36
45	Crystallization and preliminary X-ray crystallographic studies of the Z-DNA-binding domain of a PKR-like kinase (PKZ) in complex with Z-DNA. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 267-270.	0.7	14
46	Conformational Dynamics between B- and Z-DNA probed via single-molecule FRET. Biophysical Journal, 2009, 96, 345a.	0.5	0
47	The crystal structure of the second Z-DNA binding domain of human DAI (ZBP1) in complex with Z-DNA reveals an unusual binding mode to Z-DNA. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20671-20676.	7.1	99
48	Binding Surface in ZÎ² Domain from Human ZBP1 Does Not Require Conserved Proline Residues for Z-DNA Binding and B-to-Z-DNA Conversion Activities. Bulletin of the Korean Chemical Society, 2007, 28, 2539-2542.	1.9	5