Charlotte Kilstrup-Nielsen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9564059/publications.pdf

Version: 2024-02-01

38 papers	1,939 citations	279487 23 h-index	315357 38 g-index
39 all docs	39 docs citations	39 times ranked	2245 citing authors

#	Article	IF	Citations
1	CDKL5 belongs to the same molecular pathway of MeCP2 and it is responsible for the early-onset seizure variant of Rett syndrome. Human Molecular Genetics, 2005, 14, 1935-1946.	1.4	279
2	CDKL5 ensures excitatory synapse stability by reinforcing NGL-1â€“PSD95 interaction in the postsynaptic compartment and is impaired in patient iPSC-derived neurons. Nature Cell Biology, 2012, 14, 911-923.	4.6	231
3	CDKL5 Expression Is Modulated during Neuronal Development and Its Subcellular Distribution Is Tightly Regulated by the C-terminal Tail. Journal of Biological Chemistry, 2008, 283, 30101-30111.	1.6	155
4	Functional Consequences of Mutations inCDKL5, an X-linked Gene Involved in Infantile Spasms and Mental Retardation. Journal of Biological Chemistry, 2006, 281, 32048-32056.	1.6	116
5	What We Know and Would Like to Know about CDKL5 and Its Involvement in Epileptic Encephalopathy. Neural Plasticity, 2012, 2012, 1-11.	1.0	84
6	MeCP2 post-translational modifications: a mechanism to control its involvement in synaptic plasticity and homeostasis?. Frontiers in Cellular Neuroscience, 2014, 8, 236.	1.8	81
7	Defects DuringMecp2Null Embryonic Cortex Development Precede the Onset of Overt Neurological Symptoms. Cerebral Cortex, 2016, 26, 2517-2529.	1.6	67
8	Methylâ€CpGâ€binding protein 2 is phosphorylated by homeodomainâ€interacting protein kinase 2 and contributes to apoptosis. EMBO Reports, 2009, 10, 1327-1333.	2.0	63
9	PBX1 nuclear export is regulated independently of PBX-MEINOX interaction by PKA phosphorylation of the PBC-B domain. EMBO Journal, 2003, 22, 89-99.	3.5	60
10	CDKL5 influences RNA splicing activity by its association to the nuclear speckle molecular machinery. Human Molecular Genetics, 2009, 18, 4590-4602.	1.4	53
11	Characterisation of CDKL5 Transcript Isoforms in Human and Mouse. PLoS ONE, 2016, 11, e0157758.	1.1	53
12	Rett syndrome and the urge of novel approaches to study MeCP2 functions and mechanisms of action. Neuroscience and Biobehavioral Reviews, 2014, 46, 187-201.	2.9	49
13	The MeCP2/YY1 interaction regulates ANT1 expression at 4q35: novel hints for Rett syndrome pathogenesis. Human Molecular Genetics, 2010, 19, 3114-3123.	1.4	46
14	A novel transcript of cyclin-dependent kinase-like 5 (CDKL5) has an alternative C-terminus and is the predominant transcript in brain. Human Genetics, 2012, 131, 187-200.	1.8	46
15	CDKL5 and Shootin1 Interact and Concur in Regulating Neuronal Polarization. PLoS ONE, 2016, 11, e0148634.	1.1	42
16	Cannabidivarin completely rescues cognitive deficits and delays neurological and motor defects in male Mecp2 mutant mice. Journal of Psychopharmacology, 2019, 33, 894-907.	2.0	38
17	Retinoic Acid Receptor Î± Fusion to PML Affects Its Transcriptional and Chromatin-Remodeling Properties. Molecular and Cellular Biology, 2003, 23, 8795-8808.	1.1	36
18	Brain phosphorylation of MeCP2 at serine 164 is developmentally regulated and globally alters its chromatin association. Scientific Reports, 2016, 6, 28295.	1.6	29

#	Article	IF	Citations
19	The neurosteroid pregnenolone reverts microtubule derangement induced by the loss of a functional CDKL5-IQGAP1 complex. Human Molecular Genetics, 2017, 26, 3520-3530.	1.4	29
20	The antidepressant tianeptine reverts synaptic AMPA receptor defects caused by deficiency of CDKL5. Human Molecular Genetics, 2018, 27, 2052-2063.	1.4	29
21	Extrasynaptic N-Methyl-d-aspartate (NMDA) Receptor Stimulation Induces Cytoplasmic Translocation of the CDKL5 Kinase and Its Proteasomal Degradation. Journal of Biological Chemistry, 2011, 286, 36550-36558.	1.6	28
22	Synaptic Synthesis, Dephosphorylation, and Degradation. Journal of Biological Chemistry, 2015, 290, 4512-4527.	1.6	27
23	CDKL5 localizes at the centrosome and midbody and is required for faithful cell division. Scientific Reports, 2017, 7, 6228.	1.6	27
24	MeCP2 Affects Skeletal Muscle Growth and Morphology through Non Cell-Autonomous Mechanisms. PLoS ONE, 2015, 10, e0130183.	1.1	26
25	Spatio-temporal Dynamics and Localization of MeCP2 and Pathological Mutants in Living Cells. Epigenetics, 2007, 2, 187-197.	1.3	25
26	Methyl-CpG Binding Protein 2 (MeCP2) Localizes at the Centrosome and Is Required for Proper Mitotic Spindle Organization. Journal of Biological Chemistry, 2015, 290, 3223-3237.	1.6	25
27	Rescue of prepulse inhibition deficit and brain mitochondrial dysfunction by pharmacological stimulation of the central serotonin receptor 7 in a mouse model of CDKL5 Deficiency Disorder. Neuropharmacology, 2019, 144, 104-114.	2.0	25
28	MeCP2 Related Studies Benefit from the Use of CD1 as Genetic Background. PLoS ONE, 2016, 11, e0153473.	1.1	24
29	MECP2 mutations affect ciliogenesis: a novel perspective for Rett syndrome and related disorders. EMBO Molecular Medicine, 2020, 12, e10270.	3.3	23
30	The green tea polyphenol epigallocatechin-3-gallate (EGCG) restores CDKL5-dependent synaptic defects in vitro and in vivo. Neurobiology of Disease, 2020, 138, 104791.	2.1	22
31	Functional Consequences of Mutations in CDKL5, an X-linked Gene Involved in Infantile Spasms and Mental Retardation. Journal of Biological Chemistry, 2006, 281, 32048-32056.	1.6	22
32	A Novel Mecp2Y120D Knock-in Model Displays Similar Behavioral Traits But Distinct Molecular Features Compared to the Mecp2-Null Mouse Implying Precision Medicine for the Treatment of Rett Syndrome. Molecular Neurobiology, 2019, 56, 4838-4854.	1.9	19
33	A Novel Protein, Xenopus p20, Influences the Stability of MeCP2 through Direct Interaction. Journal of Biological Chemistry, 2004, 279, 25623-25631.	1.6	16
34	Microtubules: A Key to Understand and Correct Neuronal Defects in CDKL5 Deficiency Disorder?. International Journal of Molecular Sciences, 2019, 20, 4075.	1.8	16
35	Pregnenolone and pregnenolone-methyl-ether rescue neuronal defects caused by dysfunctional CLIP170 in a neuronal model of CDKL5 Deficiency Disorder. Neuropharmacology, 2020, 164, 107897.	2.0	14
36	Therapeutic potential of pregnenolone and pregnenolone methyl ether on depressive and CDKL5 deficiency disorders: Focus on microtubule targeting. Journal of Neuroendocrinology, 2022, 34, e13033.	1.2	9

#	Article	IF	Citations
37	Genetics and mechanisms of disease in Rett syndrome. Drug Discovery Today Disease Mechanisms, 2005, 2, 419-425.	0.8	3
38	Pregnenolone-methyl-ether enhances CLIP170 and microtubule functions improving spine maturation and hippocampal deficits related to CDKL5 deficiency. Human Molecular Genetics, 2022, 31, 2738-2750.	1.4	2