Charlotte Kilstrup-Nielsen

List of Publications by Year in Descending Order

37 papers	1,468 citations	21 h-index	38 g-index
39 ext. papers	1,745 ext. citations	6 avg, IF	3.88 L-index

#	Paper	IF	Citations
37	Therapeutic potential of pregnenolone and pregnenolone methyl ether on depressive and CDKL5 deficiency disorders: Focus on microtubule targeting. *Journal of Neuroendocrinology*, **2021**, e13033	3.8	1
36	MECP2 mutations affect ciliogenesis: a novel perspective for Rett syndrome and related disorders. *EMBO Molecular Medicine*, **2020**, 12, e10270	12	8
35	The green tea polyphenol epigallocatechin-3-gallate (EGCG) restores CDKL5-dependent synaptic defects in vitro and in vivo. *Neurobiology of Disease*, **2020**, 138, 104791	7.5	11
34	Pregnenolone and pregnenolone-methyl-ether rescue neuronal defects caused by dysfunctional CLIP170 in a neuronal model of CDKL5 Deficiency Disorder. *Neuropharmacology*, **2020**, 164, 107897	5.5	8
33	Microtubules: A Key to Understand and Correct Neuronal Defects in CDKL5 Deficiency Disorder?. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
32	Cannabidivarin completely rescues cognitive deficits and delays neurological and motor defects in male mutant mice. *Journal of Psychopharmacology*, **2019**, 33, 894-907	4.6	31
31	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	5.5	22
30	A Novel Mecp2 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	6.2	14
29	The antidepressant tianeptine reverts synaptic AMPA receptor defects caused by deficiency of CDKL5. *Human Molecular Genetics*, **2018**, 27, 2052-2063	5.6	18
28	CDKL5 localizes at the centrosome and midbody and is required for faithful cell division. *Scientific Reports*, **2017**, 7, 6228	4.9	14
27	The neurosteroid pregnenolone reverts microtubule derangement induced by the loss of a functional CDKL5-IQGAP1 complex. *Human Molecular Genetics*, **2017**, 26, 3520-3530	5.6	18
26	Brain phosphorylation of MeCP2 at serine 164 is developmentally regulated and globally alters its chromatin association. *Scientific Reports*, **2016**, 6, 28295	4.9	16
25	Defects During Mecp2 Null Embryonic Cortex Development Precede the Onset of Overt Neurological Symptoms. *Cerebral Cortex*, **2016**, 26, 2517-2529	5.1	47
24	MeCP2 Related Studies Benefit from the Use of CD1 as Genetic Background. *PLoS ONE*, **2016**, 11, e0153473	3.7	18
23	CDKL5 and Shootin1 Interact and Concur in Regulating Neuronal Polarization. *PLoS ONE*, **2016**, 11, e0148634	3.7	26
22	Characterisation of CDKL5 Transcript Isoforms in Human and Mouse. *PLoS ONE*, **2016**, 11, e0157758	3.7	35
21	Synaptic synthesis, dephosphorylation, and degradation: a novel paradigm for an activity-dependent neuronal control of CDKL5. *Journal of Biological Chemistry*, **2015**, 290, 4512-27	5.4	20

20	Methyl-CpG binding protein 2 (MeCP2) localizes at the centrosome and is required for proper mitotic spindle organization. *Journal of Biological Chemistry*, **2015**, 290, 3223-37	5.4	17
19	MeCP2 Affects Skeletal Muscle Growth and Morphology through Non Cell-Autonomous Mechanisms. *PLoS ONE*, **2015**, 10, e0130183	3.7	22
18	MeCP2 post-translational modifications: a mechanism to control its involvement in synaptic plasticity and homeostasis?. *Frontiers in Cellular Neuroscience*, **2014**, 8, 236	6.1	64
17	Rett syndrome and the urge of novel approaches to study MeCP2 functions and mechanisms of action. *Neuroscience and Biobehavioral Reviews*, **2014**, 46 Pt 2, 187-201	9	39
16	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	6.3	38
15	CDKL5 ensures excitatory synapse stability by reinforcing NGL-1-PSD95 interaction in the postsynaptic compartment and is impaired in patient iPSC-derived neurons. *Nature Cell Biology*, **2012**, 14, 911-23	23.4	181
14	What we know and would like to know about CDKL5 and its involvement in epileptic encephalopathy. *Neural Plasticity*, **2012**, 2012, 728267	3.3	63
13	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, 36550-8	5.4	21
12	The MeCP2/YY1 interaction regulates ANT1 expression at 4q35: novel hints for Rett syndrome pathogenesis. *Human Molecular Genetics*, **2010**, 19, 3114-23	5.6	39
11	CDKL5 influences RNA splicing activity by its association to the nuclear speckle molecular machinery. *Human Molecular Genetics*, **2009**, 18, 4590-602	5.6	44
10	Methyl-CpG-binding protein 2 is phosphorylated by homeodomain-interacting protein kinase 2 and contributes to apoptosis. *EMBO Reports*, **2009**, 10, 1327-33	6.5	54
9	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, 30101-11	5.4	111
8	Spatio-temporal dynamics and localization of MeCP2 and pathological mutants in living cells. *Epigenetics*, **2007**, 2, 187-97	5.7	21
7	Functional consequences of mutations in CDKL5, an X-linked gene involved in infantile spasms and mental retardation. *Journal of Biological Chemistry*, **2006**, 281, 32048-56	5.4	96
6	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	5.4	5
5	Genetics and mechanisms of disease in Rett syndrome. *Drug Discovery Today Disease Mechanisms*, **2005**, 2, 419-425		1
4	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, 1935-46	5.6	248
3	A novel protein, Xenopus p20, influences the stability of MeCP2 through direct interaction. *Journal of Biological Chemistry*, **2004**, 279, 25623-31	5.4	15

2	PBX1 nuclear export is regulated independently of PBX-MEINOX interaction by PKA phosphorylation of the PBC-B domain. *EMBO Journal*, **2003**, 22, 89-99	13	48
1	Retinoic acid receptor alpha fusion to PML affects its transcriptional and chromatin-remodeling properties. *Molecular and Cellular Biology*, **2003**, 23, 8795-808	4.8	31