

# Nicoletta Landsberger

## List of Publications by Citations

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67 papers	5,191 citations	26 h-index	70 g-index
70 ext. papers	5,714 ext. citations	6.3 avg, IF	4.82 L-index

#	Paper	IF	Citations
67	Methylated DNA and MeCP2 recruit histone deacetylase to repress transcription. <i>Nature Genetics</i> , <b>1998</b> , 19, 187-91	36.3	2246
66	DNA methylation directs a time-dependent repression of transcription initiation. <i>Current Biology</i> , <b>1997</b> , 7, 157-65	6.3	325
65	Oligomerization of RAR and AML1 transcription factors as a novel mechanism of oncogenic activation. <i>Molecular Cell</i> , <b>2000</b> , 5, 811-20	17.6	256
64	CDKL5 belongs to the same molecular pathway of MeCP2 and it is responsible for the early-onset seizure variant of Rett syndrome. <i>Human Molecular Genetics</i> , <b>2005</b> , 14, 1935-46	5.6	248
63	Molecular mechanisms of gene silencing mediated by DNA methylation. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 3157-73	4.8	218
62	Reduced AKT/mTOR signaling and protein synthesis dysregulation in a Rett syndrome animal model. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 1182-96	5.6	165
61	Xenopus NF-Y pre-sets chromatin to potentiate p300 and acetylation-responsive transcription from the Xenopus hsp70 promoter in vivo. <i>EMBO Journal</i> , <b>1998</b> , 17, 6300-15	13	162
60	The methyl-CpG binding transcriptional repressor MeCP2 stably associates with nucleosomal DNA. <i>Biochemistry</i> , <b>1999</b> , 38, 7008-18	3.2	155
59	CDKL5 expression is modulated during neuronal development and its subcellular distribution is tightly regulated by the C-terminal tail. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 30101-11	5.4	111
58	Functional consequences of mutations in CDKL5, an X-linked gene involved in infantile spasms and mental retardation. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 32048-56	5.4	96
57	MeCP2 post-translational modifications: a mechanism to control its involvement in synaptic plasticity and homeostasis?. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 236	6.1	64
56	What we know and would like to know about CDKL5 and its involvement in epileptic encephalopathy. <i>Neural Plasticity</i> , <b>2012</b> , 2012, 728267	3.3	63
55	Role of chromatin and Xenopus laevis heat shock transcription factor in regulation of transcription from the X. laevis hsp70 promoter in vivo. <i>Molecular and Cellular Biology</i> , <b>1995</b> , 15, 6013-24	4.8	58
54	Methyl-CpG-binding protein 2 is phosphorylated by homeodomain-interacting protein kinase 2 and contributes to apoptosis. <i>EMBO Reports</i> , <b>2009</b> , 10, 1327-33	6.5	54
53	Defects During Mecp2 Null Embryonic Cortex Development Precede the Onset of Overt Neurological Symptoms. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 2517-2529	5.1	47
52	CDKL5 influences RNA splicing activity by its association to the nuclear speckle molecular machinery. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 4590-602	5.6	44
51	ASPM and CITK regulate spindle orientation by affecting the dynamics of astral microtubules. <i>EMBO Reports</i> , <b>2016</b> , 17, 1396-1409	6.5	40

50	Rett syndrome and the urge of novel approaches to study MeCP2 functions and mechanisms of action. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2014</b> , 46 Pt 2, 187-201	9	39
49	The MeCP2/YY1 interaction regulates ANT1 expression at 4q35: novel hints for Rett syndrome pathogenesis. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 3114-23	5.6	39
48	LSD1 Neurospecific Alternative Splicing Controls Neuronal Excitability in Mouse Models of Epilepsy. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 2729-40	5.1	38
47	A novel transcript of cyclin-dependent kinase-like 5 (CDKL5) has an alternative C-terminus and is the predominant transcript in brain. <i>Human Genetics</i> , <b>2012</b> , 131, 187-200	6.3	38
46	Characterisation of CDKL5 Transcript Isoforms in Human and Mouse. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157758	3.7	35
45	Autocrine and immune cell-derived BDNF in human skeletal muscle: implications for myogenesis and tissue regeneration. <i>Journal of Pathology</i> , <b>2013</b> , 231, 190-8	9.4	32
44	Cannabidiol completely rescues cognitive deficits and delays neurological and motor defects in male mutant mice. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 894-907	4.6	31
43	Retinoic acid receptor alpha fusion to PML affects its transcriptional and chromatin-remodeling properties. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 8795-808	4.8	31
42	Sequence-directed curvature of repetitive Alu DNA in constitutive heterochromatin of <i>Artemia franciscana</i> . <i>Nucleic Acids Research</i> , <b>1989</b> , 17, 8273-82	20.1	26
41	CDKL5 and Shootin1 Interact and Concur in Regulating Neuronal Polarization. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148634	3.7	26
40	Incorporation of mouse zona pellucida proteins into the envelope of <i>Xenopus laevis</i> oocytes. <i>Development Genes and Evolution</i> , <b>1999</b> , 209, 330-9	1.8	24
39	Phylogenetic study of bisexual <i>Artemia</i> using random amplified polymorphic DNA. <i>Journal of Molecular Evolution</i> , <b>1995</b> , 41, 150-4	3.1	24
38	The heat shock response in <i>Xenopus</i> oocytes, embryos, and somatic cells: a regulatory role for chromatin. <i>Developmental Biology</i> , <b>1995</b> , 170, 62-74	3.1	24
37	Highly repetitive DNA sequence in parthenogenetic <i>Artemia</i> . <i>Journal of Molecular Evolution</i> , <b>1991</b> , 32, 31-6	3.1	23
36	MeCP2 Affects Skeletal Muscle Growth and Morphology through Non Cell-Autonomous Mechanisms. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130183	3.7	22
35	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. <i>Neuropharmacology</i> , <b>2019</b> , 144, 104-114	5.5	22
34	Extrasynaptic N-methyl-D-aspartate (NMDA) receptor stimulation induces cytoplasmic translocation of the CDKL5 kinase and its proteasomal degradation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 36550-8	5.4	21
33	Spatio-temporal dynamics and localization of MeCP2 and pathological mutants in living cells. <i>Epigenetics</i> , <b>2007</b> , 2, 187-97	5.7	21

32	The cDNA encoding <i>Xenopus laevis</i> heat-shock factor 1 (XHSF1): nucleotide and deduced amino-acid sequences, and properties of the encoded protein. <i>Gene</i> , <b>1995</b> , 160, 207-11	3.8	21
31	Synaptic synthesis, dephosphorylation, and degradation: a novel paradigm for an activity-dependent neuronal control of CDKL5. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 4512-27	5.4	20
30	Remodeling of regulatory nucleoprotein complexes on the <i>Xenopus</i> hsp70 promoter during meiotic maturation of the <i>Xenopus</i> oocyte. <i>EMBO Journal</i> , <b>1997</b> , 16, 4361-73	13	19
29	The neurosteroid pregnenolone reverts microtubule derangement induced by the loss of a functional CDKL5-IQGAP1 complex. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 3520-3530	5.6	18
28	MeCP2 Related Studies Benefit from the Use of CD1 as Genetic Background. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153473	4.73	18
27	Methyl-CpG binding protein 2 (MeCP2) localizes at the centrosome and is required for proper mitotic spindle organization. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 3223-37	5.4	17
26	Brain phosphorylation of MeCP2 at serine 164 is developmentally regulated and globally alters its chromatin association. <i>Scientific Reports</i> , <b>2016</b> , 6, 28295	4.9	16
25	Lack of Methyl-CpG Binding Protein 2 (MeCP2) Affects Cell Fate Refinement During Embryonic Cortical Development. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 1846-1856	5.1	15
24	A novel protein, <i>Xenopus</i> p20, influences the stability of MeCP2 through direct interaction. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 25623-31	5.4	15
23	CDKL5 localizes at the centrosome and midbody and is required for faithful cell division. <i>Scientific Reports</i> , <b>2017</b> , 7, 6228	4.9	14
22	Nucleotide variation and molecular structure of the heterochromatic repetitive Alu DNA in the brine shrimp <i>Artemia franciscana</i> . <i>Journal of Molecular Evolution</i> , <b>1992</b> , 35, 486-91	3.1	14
21	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. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 4838-4854	6.2	14
20	Splicing Mutations Impairing CDKL5 Expression and Activity Can be Efficiently Rescued by U1snRNA-Based Therapy. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	13
19	Aminoglycoside drugs induce efficient read-through of nonsense mutations, slightly restoring its kinase activity. <i>RNA Biology</i> , <b>2019</b> , 16, 1414-1423	4.8	13
18	Tyr120Asp mutation alters domain flexibility and dynamics of MeCP2 DNA binding domain leading to impaired DNA interaction: Atomistic characterization of a Rett syndrome causing mutation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 1180-1189	4	13
17	Fingolimod Modulates Dendritic Architecture in a BDNF-Dependent Manner. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	10
16	MECP2 mutations affect ciliogenesis: a novel perspective for Rett syndrome and related disorders. <i>EMBO Molecular Medicine</i> , <b>2020</b> , 12, e10270	12	8
15	Towards a consensus on developmental regression. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 107, 3-5	9	7

14	Trichostatin A decreases the levels of MeCP2 expression and phosphorylation and increases its chromatin binding affinity. <i>Epigenetics</i> , <b>2017</b> , 12, 934-944	5.7	7
13	Topoisomerase I action on the heterochromatic DNA from the brine shrimp <i>Artemia franciscana</i> : studies in vivo and in vitro. <i>Biochemical Journal</i> , <b>1994</b> , 299 ( Pt 3), 623-9	3.8	7
12	A binding protein (p82 protein) recognizes specifically the curved heterochromatic DNA in <i>Artemia franciscana</i> . <i>Gene</i> , <b>1990</b> , 94, 217-22	3.8	6
11	Purification and characterization of a proteolytic active fragment of DNA topoisomerase I from the brine shrimp <i>Artemia franciscana</i> (Crustacea Anostraca). <i>Biochemical Journal</i> , <b>1992</b> , 282 ( Pt 1), 249-54	3.8	5
10	Functional Consequences of Mutations in CDKL5, an X-linked Gene Involved in Infantile Spasms and Mental Retardation. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 32048-32056	5.4	5
9	Chromatin and transcriptional activity in early <i>Xenopus</i> development. <i>Seminars in Cell Biology</i> , <b>1995</b> , 6, 191-9		4
8	The DNA repair protein ATM as a target in autism spectrum disorder. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	4
7	In vivo magnetic resonance spectroscopy in the brain of Cdkl5 null mice reveals a metabolic profile indicative of mitochondrial dysfunctions. <i>Journal of Neurochemistry</i> , <b>2021</b> , 157, 1253-1269	6	4
6	In vitro reconstitution of <i>Artemia</i> satellite chromatin. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 18028-39.4	3.4	3
5	The enhancement of activity rescues the establishment of Mecp2 null neuronal phenotypes. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e12433	12	2
4	Identification of Region-Specific Cytoskeletal and Molecular Alterations in Astrocytes of Deficient Animals.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 823060	5.1	0
3	Rett Syndrome <b>2015</b> , 98-119		
2	Progress in the development of in vivo redox measurements: New tools for longitudinal studies in Rett syndrome. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 104, 28-29	9	
1	Not Just Loss-of-Function Variations: Identification of a Hypermorphic Variant in a Patient With a CDKL5 Missense Substitution.. <i>Neurology: Genetics</i> , <b>2022</b> , 8, e666	3.8	