Nicoletta Landsberger

List of Publications by Year in Descending Order

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	Not Just Loss-of-Function Variations: Identification of a Hypermorphic Variant in a Patient With a CDKL5 Missense Substitution.. *Neurology: Genetics*, **2022**, 8, e666	3.8	
66	Identification of Region-Specific Cytoskeletal and Molecular Alterations in Astrocytes of Deficient Animals.. *Frontiers in Neuroscience*, **2022**, 16, 823060	5.1	0
65	The enhancement of activity rescues the establishment of Mecp2 null neuronal phenotypes. *EMBO Molecular Medicine*, **2021**, 13, e12433	12	2
64	The DNA repair protein ATM as a target in autism spectrum disorder. *JCI Insight*, **2021**, 6,	9.9	4
63	In vivo magnetic resonance spectroscopy in the brain of Cdkl5 null mice reveals a metabolic profile indicative of mitochondrial dysfunctions. *Journal of Neurochemistry*, **2021**, 157, 1253-1269	6	4
62	Fingolimod Modulates Dendritic Architecture in a BDNF-Dependent Manner. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	10
61	MECP2 mutations affect ciliogenesis: a novel perspective for Rett syndrome and related disorders. *EMBO Molecular Medicine*, **2020**, 12, e10270	12	8
60	Splicing Mutations Impairing CDKL5 Expression and Activity Can be Efficiently Rescued by U1snRNA-Based Therapy. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	13
59	Aminoglycoside drugs induce efficient read-through of nonsense mutations, slightly restoring its kinase activity. *RNA Biology*, **2019**, 16, 1414-1423	4.8	13
58	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
57	Towards a consensus on developmental regression. *Neuroscience and Biobehavioral Reviews*, **2019**, 107, 3-5	9	7
56	Progress in the development of in vivo redox measurements: New tools for longitudinal studies in Rett syndrome. *Neuroscience and Biobehavioral Reviews*, **2019**, 104, 28-29	9	
55	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
54	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
53	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. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 1180-1189	4	13
52	Lack of Methyl-CpG Binding Protein 2 (MeCP2) Affects Cell Fate Refinement During Embryonic Cortical Development. *Cerebral Cortex*, **2018**, 28, 1846-1856	5.1	15
51	CDKL5 localizes at the centrosome and midbody and is required for faithful cell division. *Scientific Reports*, **2017**, 7, 6228	4.9	14

50	Trichostatin A decreases the levels of MeCP2 expression and phosphorylation and increases its chromatin binding affinity. *Epigenetics*, **2017**, 12, 934-944	5.7	7
49	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
48	ASPM and CITK regulate spindle orientation by affecting the dynamics of astral microtubules. *EMBO Reports*, **2016**, 17, 1396-1409	6.5	40
47	Brain phosphorylation of MeCP2 at serine 164 is developmentally regulated and globally alters its chromatin association. *Scientific Reports*, **2016**, 6, 28295	4.9	16
46	Defects During Mecp2 Null Embryonic Cortex Development Precede the Onset of Overt Neurological Symptoms. *Cerebral Cortex*, **2016**, 26, 2517-2529	5.1	47
45	MeCP2 Related Studies Benefit from the Use of CD1 as Genetic Background. *PLoS ONE*, **2016**, 11, e0153473	3.7	18
44	CDKL5 and Shootin1 Interact and Concur in Regulating Neuronal Polarization. *PLoS ONE*, **2016**, 11, e0148634	3.7	26
43	Characterisation of CDKL5 Transcript Isoforms in Human and Mouse. *PLoS ONE*, **2016**, 11, e0157758	3.7	35
42	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
41	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
40	LSD1 Neurospecific Alternative Splicing Controls Neuronal Excitability in Mouse Models of Epilepsy. *Cerebral Cortex*, **2015**, 25, 2729-40	5.1	38
39	Rett Syndrome **2015**, 98-119		
38	MeCP2 Affects Skeletal Muscle Growth and Morphology through Non Cell-Autonomous Mechanisms. *PLoS ONE*, **2015**, 10, e0130183	3.7	22
37	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
36	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
35	Autocrine and immune cell-derived BDNF in human skeletal muscle: implications for myogenesis and tissue regeneration. *Journal of Pathology*, **2013**, 231, 190-8	9.4	32
34	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
33	What we know and would like to know about CDKL5 and its involvement in epileptic encephalopathy. *Neural Plasticity*, **2012**, 2012, 728267	3.3	63

32	Reduced AKT/mTOR signaling and protein synthesis dysregulation in a Rett syndrome animal model. *Human Molecular Genetics*, **2011**, 20, 1182-96	5.6	165
31	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
30	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
29	CDKL5 influences RNA splicing activity by its association to the nuclear speckle molecular machinery. *Human Molecular Genetics*, **2009**, 18, 4590-602	5.6	44
28	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
27	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
26	Spatio-temporal dynamics and localization of MeCP2 and pathological mutants in living cells. *Epigenetics*, **2007**, 2, 187-97	5.7	21
25	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
24	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
23	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
22	A novel protein, Xenopus p20, influences the stability of MeCP2 through direct interaction. *Journal of Biological Chemistry*, **2004**, 279, 25623-31	5.4	15
21	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
20	Molecular mechanisms of gene silencing mediated by DNA methylation. *Molecular and Cellular Biology*, **2002**, 22, 3157-73	4.8	218
19	Oligomerization of RAR and AML1 transcription factors as a novel mechanism of oncogenic activation. *Molecular Cell*, **2000**, 5, 811-20	17.6	256
18	Incorporation of mouse zona pellucida proteins into the envelope of Xenopus laevis oocytes. *Development Genes and Evolution*, **1999**, 209, 330-9	1.8	24
17	The methyl-CpG binding transcriptional repressor MeCP2 stably associates with nucleosomal DNA. *Biochemistry*, **1999**, 38, 7008-18	3.2	155
16	Xenopus NF-Y pre-sets chromatin to potentiate p300 and acetylation-responsive transcription from the Xenopus hsp70 promoter in vivo. *EMBO Journal*, **1998**, 17, 6300-15	13	162
15	Methylated DNA and MeCP2 recruit histone deacetylase to repress transcription. *Nature Genetics*, **1998**, 19, 187-91	36.3	2246

14	In vitro reconstitution of Artemia satellite chromatin. *Journal of Biological Chemistry*, **1998**, 273, 18028-39	5.4	3
13	DNA methylation directs a time-dependent repression of transcription initiation. *Current Biology*, **1997**, 7, 157-65	6.3	325
12	Remodeling of regulatory nucleoprotein complexes on the Xenopus hsp70 promoter during meiotic maturation of the Xenopus oocyte. *EMBO Journal*, **1997**, 16, 4361-73	13	19
11	Phylogenetic study of bisexual Artemia using random amplified polymorphic DNA. *Journal of Molecular Evolution*, **1995**, 41, 150-4	3.1	24
10	The cDNA encoding Xenopus laevis heat-shock factor 1 (XHSF1): nucleotide and deduced amino-acid sequences, and properties of the encoded protein. *Gene*, **1995**, 160, 207-11	3.8	21
9	The heat shock response in Xenopus oocytes, embryos, and somatic cells: a regulatory role for chromatin. *Developmental Biology*, **1995**, 170, 62-74	3.1	24
8	Chromatin and transcriptional activity in early Xenopus development. *Seminars in Cell Biology*, **1995** , 6, 191-9		4
7	Role of chromatin and Xenopus laevis heat shock transcription factor in regulation of transcription from the X. laevis hsp70 promoter in vivo. *Molecular and Cellular Biology*, **1995**, 15, 6013-24	4.8	58
6	Topoisomerase I action on the heterochromatic DNA from the brine shrimp Artemia franciscana: studies in vivo and in vitro. *Biochemical Journal*, **1994**, 299 (Pt 3), 623-9	3.8	7
5	Purification and characterization of a proteolytic active fragment of DNA topoisomerase I from the brine shrimp Artemia franciscana (Crustacea Anostraca). *Biochemical Journal*, **1992**, 282 (Pt 1), 249-54	3.8	5
4	Nucleotide variation and molecular structure of the heterochromatic repetitive AluI DNA in the brine shrimp Artemia franciscana. *Journal of Molecular Evolution*, **1992**, 35, 486-91	3.1	14
3	Highly repetitive DNA sequence in parthenogenetic Artemia. *Journal of Molecular Evolution*, **1991**, 32, 31-6	3.1	23
2	A binding protein (p82 protein) recognizes specifically the curved heterochromatic DNA in Artemia franciscana. *Gene*, **1990**, 94, 217-22	3.8	6
1	Sequence-directed curvature of repetitive AluI DNA in constitutive heterochromatin of Artemia franciscana. *Nucleic Acids Research*, **1989**, 17, 8273-82	20.1	26