Jeffrey L. Neul

List of Publications by Year in Descending Order

84 papers	5,358 citations	34 h-index	73 g-index
95 ext. papers	6,324 ext. citations	8.2 avg, IF	5.23 L-index

#	Paper	IF	Citations
84	Design and outcome measures of LAVENDER, a phase 3 study of trofinetide for Rett syndrome.. *Contemporary Clinical Trials*, **2022**, 106704	2.3	3
83	Analysis of X-inactivation status in a Rett syndrome natural history study cohort.. *Molecular Genetics & Genomic Medicine*, **2022**, e1917	2.3	0
82	Anxiety-like behavior and anxiolytic treatment in the Rett syndrome natural history study.. *Journal of Neurodevelopmental Disorders*, **2022**, 14, 31	4.6	0
81	Safety and efficacy of genetic MECP2 supplementation in the R294X mouse model of Rett syndrome. *Genes, Brain and Behavior*, **2021**, e12739	3.6	4
80	Phenotypic features in MECP2 duplication syndrome: Effects of age. *American Journal of Medical Genetics, Part A*, **2021**, 185, 362-369	2.5	3
79	Multisite Study of Evoked Potentials in Rett Syndrome. *Annals of Neurology*, **2021**, 89, 790-802	9.4	1
78	Current neurologic treatment and emerging therapies in CDKL5 deficiency disorder. *Journal of Neurodevelopmental Disorders*, **2021**, 13, 40	4.6	2
77	Evaluating Sleep Disturbances in Children With Rare Genetic Neurodevelopmental Syndromes. *Pediatric Neurology*, **2021**, 123, 30-37	2.9	3
76	Development of an adapted Clinical Global Impression scale for use in Angelman syndrome. *Journal of Neurodevelopmental Disorders*, **2021**, 13, 3	4.6	6
75	Pharmacological read-through of R294X Mecp2 in a novel mouse model of Rett syndrome. *Human Molecular Genetics*, **2020**, 29, 2461-2470	5.6	8
74	Comparison of Core Features in Four Developmental Encephalopathies in the Rett Natural History Study. *Annals of Neurology*, **2020**, 88, 396-406	9.4	11
73	Rett syndrome and MECP2-related disorders **2020**, 269-284		1
72	Metabolic Signatures Differentiate Rett Syndrome From Unaffected Siblings. *Frontiers in Integrative Neuroscience*, **2020**, 14, 7	3.2	8
71	A Psychometric Evaluation of the Motor-Behavioral Assessment Scale for Use as an Outcome Measure in Rett Syndrome Clinical Trials. *American Journal on Intellectual and Developmental Disabilities*, **2020**, 125, 493-509	2.2	3
70	Multisystem comorbidities in classic Rett syndrome: a scoping review. *BMJ Paediatrics Open*, **2020**, 4, e000731	2.4	8
69	Detection of neurophysiological features in female R255X MeCP2 mutation mice. *Neurobiology of Disease*, **2020**, 145, 105083	7.5	3
68	Loss of MeCP2 Function Across Several Neuronal Populations Impairs Breathing Response to Acute Hypoxia. *Frontiers in Neurology*, **2020**, 11, 593554	4.1	4

67	Cortisol profiles and clinical severity in MECP2 duplication syndrome. *Journal of Neurodevelopmental Disorders*, **2020**, 12, 19	4.6	2
66	Consensus guidelines on managing Rett syndrome across the lifespan. *BMJ Paediatrics Open*, **2020**, 4, e000717	2.4	6
65	Intellectual and developmental disabilities research centers: Fifty years of scientific accomplishments. *Annals of Neurology*, **2019**, 86, 332-343	9.4	1
64	Hand stereotypies: Lessons from the Rett Syndrome Natural History Study. *Neurology*, **2019**, 92, e2594-e2603	6.5	12
63	Double-blind, randomized, placebo-controlled study of trofinetide in pediatric Rett syndrome. *Neurology*, **2019**, 92, e1912-e1925	6.5	46
62	Characterizing the phenotypic effect of Xq28 duplication size in MECP2 duplication syndrome. *Clinical Genetics*, **2019**, 95, 575-581	4	21
61	Towards a consensus on developmental regression. *Neuroscience and Biobehavioral Reviews*, **2019**, 107, 3-5	9	7
60	Can Rett syndrome be diagnosed before regression?. *Neuroscience and Biobehavioral Reviews*, **2019**, 104, 158-159	9	2
59	Biliary Tract Disease in Girls and Young Women With Rett Syndrome. *Journal of Pediatric Gastroenterology and Nutrition*, **2019**, 68, 799-805	2.8	7
58	Behavioral profiles in Rett syndrome: Data from the natural history study. *Brain and Development*, **2019**, 41, 123-134	2.2	14
57	The array of clinical phenotypes of males with mutations in Methyl-CpG binding protein 2. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2019**, 180, 55-67	3.5	14
56	The course of awake breathing disturbances across the lifespan in Rett syndrome. *Brain and Development*, **2018**, 40, 515-529	2.2	33
55	Loss of skills and onset patterns in neurodevelopmental disorders: Understanding the neurobiological mechanisms. *Autism Research*, **2018**, 11, 212-222	5.1	18
54	When Rett syndrome is due to genes other than. *Translational Science of Rare Diseases*, **2018**, 3, 49-53	3.3	15
53	Enrichment of mutations in chromatin regulators in people with Rett syndrome lacking mutations in MECP2. *Genetics in Medicine*, **2017**, 19, 13-19	8.1	52
52	Scoliosis in Rett Syndrome: Progression, Comorbidities, and Predictors. *Pediatric Neurology*, **2017**, 70, 20-25	2.9	25
51	Assessment of Caregiver Inventory for Rett Syndrome. *Journal of Autism and Developmental Disorders*, **2017**, 47, 1102-1112	4.6	9
50	Developmental Encephalopathies **2017**, 242-248		1

49	Longitudinal course of epilepsy in Rett syndrome and related disorders. *Brain*, **2017**, 140, 306-318	11.2	52
48	Embryonic hindbrain patterning genes delineate distinct cardio-respiratory and metabolic homeostatic populations in the adult. *Scientific Reports*, **2017**, 7, 9117	4.9	3
47	A Double-Blind, Randomized, Placebo-Controlled Clinical Study of Trofinetide in the Treatment of Rett Syndrome. *Pediatric Neurology*, **2017**, 76, 37-46	2.9	37
46	Methyl-CpG binding-protein 2 function in cholinergic neurons mediates cardiac arrhythmogenesis. *Human Molecular Genetics*, **2016**, 25, 4983-4995	5.6	11
45	Manipulations of MeCP2 in glutamatergic neurons highlight their contributions to Rett and other neurological disorders. *ELife*, **2016**, 5,	8.9	65
44	Loss of MeCP2 Causes Urological Dysfunction and Contributes to Death by Kidney Failure in Mouse Models of Rett Syndrome. *PLoS ONE*, **2016**, 11, e0165550	3.7	11
43	Loss of MeCP2 in the rat models regression, impaired sociability and transcriptional deficits of Rett syndrome. *Human Molecular Genetics*, **2016**, 25, 3284-3302	5.6	38
42	Caretaker Quality of Life in Rett Syndrome: Disorder Features and Psychological Predictors. *Pediatric Neurology*, **2016**, 58, 67-74	2.9	17
41	Progressive Changes in a Distributed Neural Circuit Underlie Breathing Abnormalities in Mice Lacking MeCP2. *Journal of Neuroscience*, **2016**, 36, 5572-86	6.6	21
40	The Changing Face of Survival in Rett Syndrome and MECP2-Related Disorders. *Pediatric Neurology*, **2015**, 53, 402-11	2.9	58
39	Improving Treatment Trial Outcomes for Rett Syndrome: The Development of Rett-specific Anchors for the Clinical Global Impression Scale. *Journal of Child Neurology*, **2015**, 30, 1743-8	2.5	26
38	Treatment of cardiac arrhythmias in a mouse model of Rett syndrome with Na+-channel-blocking antiepileptic drugs. *DMM Disease Models and Mechanisms*, **2015**, 8, 363-71	4.1	12
37	Origin of a Non-Clarke's Column Division of the Dorsal Spinocerebellar Tract and the Role of Caudal Proprioceptive Neurons in Motor Function. *Cell Reports*, **2015**, 13, 1258-1271	10.6	23
36	Age of diagnosis in Rett syndrome: patterns of recognition among diagnosticians and risk factors for late diagnosis. *Pediatric Neurology*, **2015**, 52, 585-91.e2	2.9	28
35	Wild-type microglia do not reverse pathology in mouse models of Rett syndrome. *Nature*, **2015**, 521, E1-4	50.4	119
34	Rett syndrome like phenotypes in the R255X Mecp2 mutant mouse are rescued by MECP2 transgene. *Human Molecular Genetics*, **2015**, 24, 2662-72	5.6	39
33	Brief report: MECP2 mutations in people without Rett syndrome. *Journal of Autism and Developmental Disorders*, **2014**, 44, 703-11	4.6	23
32	Mutual antagonism between Sox10 and NFIA regulates diversification of glial lineages and glioma subtypes. *Nature Neuroscience*, **2014**, 17, 1322-9	25.5	93

31	Developmental delay in Rett syndrome: data from the natural history study. *Journal of Neurodevelopmental Disorders*, **2014**, 6, 20	4.6	94
30	Methyl-CpG-binding protein 2 (MECP2) mutation type is associated with disease severity in Rett syndrome. *Journal of Medical Genetics*, **2014**, 51, 152-8	5.8	181
29	Low bone mineral mass is associated with decreased bone formation and diet in girls with Rett syndrome. *Journal of Pediatric Gastroenterology and Nutrition*, **2014**, 59, 386-92	2.8	10
28	Pubertal development in Rett syndrome deviates from typical females. *Pediatric Neurology*, **2014**, 51, 769-75	2.9	19
27	Detection of rarely identified multiple mutations in MECP2 gene do not contribute to enhanced severity in Rett syndrome. *American Journal of Medical Genetics, Part A*, **2013**, 161A, 1638-46	2.5	4
26	Breathing challenges in Rett syndrome: lessons learned from humans and animal models. *Respiratory Physiology and Neurobiology*, **2013**, 189, 280-7	2.8	87
25	Insulinotropic treatments exacerbate metabolic syndrome in mice lacking MeCP2 function. *Human Molecular Genetics*, **2013**, 22, 2626-33	5.6	37
24	Female Mecp2(+/-) mice display robust behavioral deficits on two different genetic backgrounds providing a framework for pre-clinical studies. *Human Molecular Genetics*, **2013**, 22, 96-109	5.6	117
23	Overexpression of methyl-CpG binding protein 2 impairs T(H)1 responses. *Science Translational Medicine*, **2012**, 4, 163ra158	17.5	39
22	Preclinical research in Rett syndrome: setting the foundation for translational success. *DMM Disease Models and Mechanisms*, **2012**, 5, 733-45	4.1	154
21	Gastrointestinal and nutritional problems occur frequently throughout life in girls and women with Rett syndrome. *Journal of Pediatric Gastroenterology and Nutrition*, **2012**, 55, 292-8	2.8	104
20	The relationship of Rett syndrome and MECP2 disorders to autism. *Dialogues in Clinical Neuroscience*, **2012**, 14, 253-62	5.7	68
19	Complexities of Rett syndrome and MeCP2. *Journal of Neuroscience*, **2011**, 31, 7951-9	6.6	89
18	MeCP2 is critical within HoxB1-derived tissues of mice for normal lifespan. *Journal of Neuroscience*, **2011**, 31, 10359-70	6.6	69
17	Unfolding neurodevelopmental disorders: the mystery of developing connections. *Nature Medicine*, **2011**, 17, 1353-5	50.5	10
16	Pathogenesis of lethal cardiac arrhythmias in Mecp2 mutant mice: implication for therapy in Rett syndrome. *Science Translational Medicine*, **2011**, 3, 113ra125	17.5	57
15	Rett Syndrome and MECP2-Related Disorders **2011**, 776-800		2
14	Vitamin D deficiency is prevalent in girls and women with Rett syndrome. *Journal of Pediatric Gastroenterology and Nutrition*, **2011**, 53, 569-74	2.8	28

13	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. *Nature*, **2010**, 468, 263-9	50.4	849
12	Profiling scoliosis in Rett syndrome. *Pediatric Research*, **2010**, 67, 435-9	3.2	46
11	Rett syndrome: revised diagnostic criteria and nomenclature. *Annals of Neurology*, **2010**, 68, 944-50	9.4	804
10	Rett syndrome diagnostic criteria: lessons from the Natural History Study. *Annals of Neurology*, **2010**, 68, 951-5	9.4	86
9	A study of the treatment of Rett syndrome with folate and betaine. *Journal of Child Neurology*, **2009**, 24, 551-6	2.5	29
8	Loss of MeCP2 in aminergic neurons causes cell-autonomous defects in neurotransmitter synthesis and specific behavioral abnormalities. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21966-71	11.5	198
7	Deletion of Mecp2 in Sim1-expressing neurons reveals a critical role for MeCP2 in feeding behavior, aggression, and the response to stress. *Neuron*, **2008**, 59, 947-58	13.9	202
6	A partial loss of function allele of methyl-CpG-binding protein 2 predicts a human neurodevelopmental syndrome. *Human Molecular Genetics*, **2008**, 17, 1718-27	5.6	157
5	Increased MECP2 gene copy number as the result of genomic duplication in neurodevelopmentally delayed males. *Genetics in Medicine*, **2006**, 8, 784-92	8.1	225
4	Neurologic complications associated with influenza A in children during the 2003-2004 influenza season in Houston, Texas. *Pediatrics*, **2004**, 114, e626-33	7.4	134
3	Rett syndrome: a prototypical neurodevelopmental disorder. *Neuroscientist*, **2004**, 10, 118-28	7.6	114
2	Spatially restricted activation of the SAX receptor by SCW modulates DPP/TKV signaling in Drosophila dorsal-ventral patterning. *Cell*, **1998**, 95, 483-94	56.2	90
1	The Xenopus dorsalizing factor noggin ventralizes Drosophila embryos by preventing DPP from activating its receptor. *Cell*, **1996**, 86, 607-17	56.2	215