

Rodney C Samaco

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31 papers	3,303 citations	22 h-index	37 g-index
37 ext. papers	3,759 ext. citations	12.7 avg, IF	4.75 L-index

#	Paper	IF	Citations
31	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. <i>Nature</i> , 2010 , 468, 263-9	50.4	849
30	Epigenetic overlap in autism-spectrum neurodevelopmental disorders: MECP2 deficiency causes reduced expression of UBE3A and GABRB3. <i>Human Molecular Genetics</i> , 2005 , 14, 483-92	5.6	339
29	Deletion of Mecp2 in Sim1-expressing neurons reveals a critical role for MeCP2 in feeding behavior, aggression, and the response to stress. <i>Neuron</i> , 2008 , 59, 947-58	13.9	202
28	Loss of MeCP2 in aminergic neurons causes cell-autonomous defects in neurotransmitter synthesis and specific behavioral abnormalities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21966-71	11.5	198
27	Adult neural function requires MeCP2. <i>Science</i> , 2011 , 333, 186	33.3	195
26	miR-19, miR-101 and miR-130 co-regulate ATXN1 levels to potentially modulate SCA1 pathogenesis. <i>Nature Neuroscience</i> , 2008 , 11, 1137-9	25.5	182
25	A partial loss of function allele of methyl-CpG-binding protein 2 predicts a human neurodevelopmental syndrome. <i>Human Molecular Genetics</i> , 2008 , 17, 1718-27	5.6	157
24	Preclinical research in Rett syndrome: setting the foundation for translational success. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 733-45	4.1	154
23	Multiple pathways regulate MeCP2 expression in normal brain development and exhibit defects in autism-spectrum disorders. <i>Human Molecular Genetics</i> , 2004 , 13, 629-39	5.6	129
22	Forniceal deep brain stimulation rescues hippocampal memory in Rett syndrome mice. <i>Nature</i> , 2015 , 526, 430-4	50.4	119
21	Female Mecp2(+/-) mice display robust behavioral deficits on two different genetic backgrounds providing a framework for pre-clinical studies. <i>Human Molecular Genetics</i> , 2013 , 22, 96-109	5.6	117
20	Crh and Oprm1 mediate anxiety-related behavior and social approach in a mouse model of MECP2 duplication syndrome. <i>Nature Genetics</i> , 2012 , 44, 206-11	36.3	109
19	Complexities of Rett syndrome and MeCP2. <i>Journal of Neuroscience</i> , 2011 , 31, 7951-9	6.6	89
18	X-Chromosome inactivation ratios affect wild-type MeCP2 expression within mosaic Rett syndrome and Mecp2-/+ mouse brain. <i>Human Molecular Genetics</i> , 2004 , 13, 1275-86	5.6	85
17	Duplication of Atxn1l suppresses SCA1 neuropathology by decreasing incorporation of polyglutamine-expanded ataxin-1 into native complexes. <i>Nature Genetics</i> , 2007 , 39, 373-9	36.3	64
16	MECP2 mutations in Rett syndrome adversely affect lymphocyte growth, but do not affect imprinted gene expression in blood or brain. <i>Human Genetics</i> , 2002 , 110, 545-52	6.3	62
15	A framework for the investigation of rare genetic disorders in neuropsychiatry. <i>Nature Medicine</i> , 2019 , 25, 1477-1487	50.5	46

14	Current Perspectives in Autism Spectrum Disorder: From Genes to Therapy. <i>Journal of Neuroscience</i> , 2016 , 36, 11402-11410	6.6	39
13	Loss of MeCP2 in the rat models regression, impaired sociability and transcriptional deficits of Rett syndrome. <i>Human Molecular Genetics</i> , 2016 , 25, 3284-3302	5.6	38
12	Otud7a Knockout Mice Recapitulate Many Neurological Features of 15q13.3 Microdeletion Syndrome. <i>American Journal of Human Genetics</i> , 2018 , 102, 296-308	11	37
11	Rigor and reproducibility in rodent behavioral research. <i>Neurobiology of Learning and Memory</i> , 2019 , 165, 106780	3.1	33
10	Expression of FoxP2 during zebrafish development and in the adult brain. <i>International Journal of Developmental Biology</i> , 2006 , 50, 435-8	1.9	22
9	Genetic rodent models of brain disorders: Perspectives on experimental approaches and therapeutic strategies. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2017 , 175, 368-379	3.1	11
8	Loss of MeCP2 Causes Urological Dysfunction and Contributes to Death by Kidney Failure in Mouse Models of Rett Syndrome. <i>PLoS ONE</i> , 2016 , 11, e0165550	3.7	11
7	Evaluating Two Common Strategies for Research Participant Recruitment Into Autism Studies: Observational Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e16752	7.6	5
6	Soft windowing application to improve analysis of high-throughput phenotyping data. <i>Bioinformatics</i> , 2020 , 36, 1492-1500	7.2	5
5	Loss of MeCP2 Function Across Several Neuronal Populations Impairs Breathing Response to Acute Hypoxia. <i>Frontiers in Neurology</i> , 2020 , 11, 593554	4.1	4
4	Intellectual and developmental disabilities research centers: Fifty years of scientific accomplishments. <i>Annals of Neurology</i> , 2019 , 86, 332-343	9.4	1
3	Identifying genetic determinants of inflammatory pain in mice using a large-scale gene-targeted screen.. <i>Pain</i> , 2022 , 163, 1139-1157	8	0
2	Improving clinical trial readiness to accelerate development of new therapeutics for Rett syndrome.. <i>Orphanet Journal of Rare Diseases</i> , 2022 , 17, 108	4.2	0
1	Anxiety in Angelman Syndrome.. <i>American Journal on Intellectual and Developmental Disabilities</i> , 2022 , 127, 1-10	2.2	