Jim Selfridge

List of Publications by Citations

27 papers	3,584 citations	18 h-index	30 g-index
30 ext. papers	4,065 ext. citations	15.3 avg, IF	4.71 L-index

#	Paper	IF	Citations
27	Reversal of neurological defects in a mouse model of Rett syndrome. *Science*, **2007**, 315, 1143-7	33.3	898
26	CpG islands influence chromatin structure via the CpG-binding protein Cfp1. *Nature*, **2010**, 464, 1082-6	50.4	507
25	The role of MeCP2 in the brain. *Annual Review of Cell and Developmental Biology*, **2011**, 27, 631-52	12.6	342
24	Embryonic lethal phenotype reveals a function of TDG in maintaining epigenetic stability. *Nature*, **2011**, 470, 419-23	50.4	282
23	Enhanced CpG mutability and tumorigenesis in MBD4-deficient mice. *Science*, **2002**, 297, 403-5	33.3	266
22	Rett syndrome mutations abolish the interaction of MeCP2 with the NCoR/SMRT co-repressor. *Nature Neuroscience*, **2013**, 16, 898-902	25.5	252
21	Up-regulation of glucocorticoid-regulated genes in a mouse model of Rett syndrome. *Human Molecular Genetics*, **2005**, 14, 2247-56	5.6	152
20	Kaiso-deficient mice show resistance to intestinal cancer. *Molecular and Cellular Biology*, **2006**, 26, 199-208	4.8	136
19	Morphological and functional reversal of phenotypes in a mouse model of Rett syndrome. *Brain*, **2012**, 135, 2699-710	11.2	109
18	Base excision by thymine DNA glycosylase mediates DNA-directed cytotoxicity of 5-fluorouracil. *PLoS Biology*, **2009**, 7, e91	9.7	90
17	Radically truncated MeCP2 rescues Rett syndrome-like neurological defects. *Nature*, **2017**, 550, 398-401	50.4	84
16	MeCP2 recognizes cytosine methylated tri-nucleotide and di-nucleotide sequences to tune transcription in the mammalian brain. *PLoS Genetics*, **2017**, 13, e1006793	6	76
15	Postnatal inactivation reveals enhanced requirement for MeCP2 at distinct age windows. *Human Molecular Genetics*, **2012**, 21, 3806-14	5.6	75
14	The molecular basis of variable phenotypic severity among common missense mutations causing Rett syndrome. *Human Molecular Genetics*, **2016**, 25, 558-70	5.6	54
13	A dominant role for the methyl-CpG-binding protein Mbd2 in controlling Th2 induction by dendritic cells. *Nature Communications*, **2015**, 6, 6920	17.4	53
12	A single allele of Hdac2 but not Hdac1 is sufficient for normal mouse brain development in the absence of its paralog. *Development (Cambridge)*, **2014**, 141, 604-616	6.6	52
11	Reduced seizure threshold and altered network oscillatory properties in a mouse model of Rett syndrome. *Neuroscience*, **2013**, 231, 195-205	3.9	42

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10	Exclusive expression of MeCP2 in the nervous system distinguishes between brain and peripheral Rett syndrome-like phenotypes. *Human Molecular Genetics*, **2016**, 25, 4389-4404	5.6	38
9	Mice with DNA repair gene Ercc1 deficiency in a neural crest lineage are a model for late-onset Hirschsprung disease. *DNA Repair*, **2010**, 9, 653-60	4.3	17
8	Toxicity of overexpressed MeCP2 is independent of HDAC3 activity. *Genes and Development*, **2018**, 32, 1514-1524	12.6	16
7	A mutation-led search for novel functional domains in MeCP2. *Human Molecular Genetics*, **2018**, 27, 2531-2545	5.6	14
6	Affinity for DNA Contributes to NLS Independent Nuclear Localization of MeCP2. *Cell Reports*, **2018**, 24, 2213-2220	10.6	14
5	Neuronal non-CG methylation is an essential target for MeCP2 function. *Molecular Cell*, **2021**, 81, 1260-1275.e12	17.6	7
4	SALL4 controls cell fate in response to DNA base composition. *Molecular Cell*, **2021**, 81, 845-858.e8	17.6	5
3	An Orphan CpG Island Drives Expression of a miRNA Precursor with an Important Role in Mouse Development. *Epigenomes*, **2019**, 3, 7	2.3	1
2	Domains of methylated CAC and CG target MeCP2 to tune transcription in the brain		1
1	Neuronal non-CG methylation is an essential target for MeCP2 function		1