David J Picketts

List of Publications by Year in descending order

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Version: 2024-02-01

44 papers	2,516 citations	218677 26 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	2976 citing authors

#	Article	IF	Citations
1	Mutations in a putative global transcriptional regulator cause X-linked mental retardation with Î±-thalassemia (ATR-X syndrome). Cell, 1995, 80, 837-845.	28.9	583
2	The chromatin-remodeling protein ATRX is critical for neuronal survival during corticogenesis. Journal of Clinical Investigation, 2005, 115, 258-267.	8.2	169
3	A Novel Transcription Regulatory Complex Containing Death Domain-associated Protein and the ATR-X Syndrome Protein. Journal of Biological Chemistry, 2004, 279, 20369-20377.	3.4	168
4	Isolation of human NURF: a regulator of Engrailed gene expression. EMBO Journal, 2003, 22, 6089-6100.	7.8	151
5	Cell cycle-dependent phosphorylation of the ATRX protein correlates with changes in nuclear matrix and chromatin association. Human Molecular Genetics, 2000, 9, 539-547.	2.9	139
6	The chromatin-remodeling protein ATRX is critical for neuronal survival during corticogenesis. Journal of Clinical Investigation, 2005, 115, 258-267.	8.2	119
7	Cloning and characterization of the murine Imitation Switch (ISWI) genes: differential expression patterns suggest distinct developmental roles for Snf2h and Snf2l. Journal of Neurochemistry, 2001, 77, 1145-1156.	3.9	95
8	PHF6 Interacts with the Nucleosome Remodeling and Deacetylation (NuRD) Complex. Journal of Proteome Research, 2012, 11, 4326-4337.	3.7	87
9	Snf2h-mediated chromatin organization and histone H1 dynamics govern cerebellar morphogenesis and neural maturation. Nature Communications, 2014, 5, 4181.	12.8	71
10	Atrx inactivation drives disease-defining phenotypes in glioma cells of origin through global epigenomic remodeling. Nature Communications, 2018, 9, 1057.	12.8	66
11	Snf2l Regulates Foxg1-Dependent Progenitor Cell Expansion in the Developing Brain. Developmental Cell, 2012, 22, 871-878.	7.0	60
12	Neurodevelopmental defects resulting from ATRX overexpression in transgenic mice. Human Molecular Genetics, 2002, 11, 253-261.	2.9	58
13	Compromised genomic integrity impedes muscle growth after Atrx inactivation. Journal of Clinical Investigation, 2012, 122, 4412-4423.	8.2	57
14	The role of ISWI chromatin remodeling complexes in brain development and neurodevelopmental disorders. Molecular and Cellular Neurosciences, 2018, 87, 55-64.	2.2	52
15	SCO-ping Out the Mechanisms Underlying the Etiology of Hydrocephalus. Physiology, 2009, 24, 117-126.	3.1	47
16	ATRX affects the repair of telomeric DSBs by promoting cohesion and a DAXX-dependent activity. PLoS Biology, 2020, 18, e3000594.	5.6	46
17	Tâ€cell acute lymphoblastic leukemia in association with BÃ¶rjesonâ€“Forssmanâ€“Lehmann syndrome due to a mutation in PHF6. Pediatric Blood and Cancer, 2010, 55, 722-724.	1.5	42
18	The Imitation Switch Protein SNF2L Regulates Steroidogenic Acute Regulatory Protein Expression during Terminal Differentiation of Ovarian Granulosa Cells. Molecular Endocrinology, 2006, 20, 2406-2417.	3.7	41

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19	Patient mutations alter ATRX targeting to PML nuclear bodies. European Journal of Human Genetics, 2008, 16, 192-201.	2.8	40
20	Voluntary Running Triggers VGF-Mediated Oligodendrogenesis to Prolong the Lifespan of Snf2h-Null Ataxic Mice. Cell Reports, 2016, 17, 862-875.	6.4	39
21	PHF6 Degrees of Separation: The Multifaceted Roles of a Chromatin Adaptor Protein. Genes, 2015, 6, 325-352.	2.4	38
22	Altered visual function and interneuron survival in Atrx knockout mice: inference for the human syndrome. Human Molecular Genetics, 2009, 18, 966-977.	2.9	34
23	A Tissue-specific, Naturally Occurring Human SNF2L Variant Inactivates Chromatin Remodeling. Journal of Biological Chemistry, 2004, 279, 45130-45138.	3.4	31
24	Loss of Atrx Sensitizes Cells to DNA Damaging Agents through p53-Mediated Death Pathways. PLoS ONE, 2012, 7, e52167.	2.5	31
25	A Notch-Gli2 axis sustains Hedgehog responsiveness of neural progenitors and MÃ¼ller glia. Developmental Biology, 2016, 411, 85-100.	2.0	31
26	Increasing D4Z4 repeat copy number compromises C2C12 myoblast differentiation. FEBS Letters, 2003, 537, 133-138.	2.8	27
27	Further clinical delineation of the BÃ¶rjesonâ€“Forssmanâ€“Lehmann syndrome in patients with PHF6 mutations. American Journal of Medical Genetics, Part A, 2009, 149A, 246-250.	1.2	27
28	Genome-wide characterisation of Foxa1 binding sites reveals several mechanisms for regulating neuronal differentiation in midbrain dopamine cells. Development (Cambridge), 2015, 142, 1315-1324.	2.5	25
29	The sub-nucleolar localization of PHF6 defines its role in rDNA transcription and early processing events. European Journal of Human Genetics, 2016, 24, 1453-1459.	2.8	21
30	BÃ¶rjeson-Forssman-Lehmann Syndrome Due to a Novel Plant Homeodomain Zinc Finger Mutation in the PHF6 Gene. Journal of Child Neurology, 2009, 24, 610-614.	1.4	17
31	Neuropeptide signaling and hydrocephalus: SCO with the flow. Journal of Clinical Investigation, 2006, 116, 1828-1832.	8.2	17
32	Matters of life and death: the role of chromatin remodeling proteins in retinal neuron survival. Journal of Ocular Biology, Diseases, and Informatics, 2011, 4, 111-120.	0.2	16
33	Neurodevelopmental Disorders Caused by Defective Chromatin Remodeling: Phenotypic Complexity Is Highlighted by a Review of ATRX Function. Frontiers in Genetics, 2020, 11, 885.	2.3	16
34	Snf2h Drives Chromatin Remodeling to Prime Upper Layer Cortical Neuron Development. Frontiers in Molecular Neuroscience, 2019, 12, 243.	2.9	15
35	Characterization of novel isoforms and evaluation of SNF2L/SMARCA1 as a candidate gene for X-linked mental retardation in 12 families linked to Xq25-26. BMC Medical Genetics, 2008, 9, 11.	2.1	11
36	Recovery from impaired muscle growth arises from prolonged postnatal accretion of myonuclei in Atrx mutant mice. PLoS ONE, 2017, 12, e0186989.	2.5	8

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37	C3aR signaling and gliosis in response to neurodevelopmental damage in the cerebellum. Journal of Neuroinflammation, 2019, 16, 135.	7.2	5
38	Transgenic mice with an R342X mutation in Phf6 display clinical features of BÃ¶rjesonâ€“Forssmanâ€“Lehmann Syndrome. Human Molecular Genetics, 2021, 30, 575-594.	2.9	5
39	Retinal interneuron survival requires non-cell-autonomous Atrx activity. Human Molecular Genetics, 2016, 25, ddw306.	2.9	3
40	Forebrain neurogenesis: From embryo to adult. Trends in Developmental Biology, 2016, 9, 77-90.	1.0	3
41	Generation of a mouse model of the neurodevelopmental disorder with dysmorphic facies and distal limb anomalies syndrome. Human Molecular Genetics, 2022, 31, 3405-3421.	2.9	2
42	GENE-34. THERAPEUTICALLY TARGETING EPIGENOMIC AND TRANSCRIPTIONAL DYSFUNCTION IN ATRX-DEFICIENT GLIOMA. Neuro-Oncology, 2019, 21, vi104-vi105.	1.2	1
43	Sensory Experience Modulates Atrx-mediated Neuronal Integrity in the Mouse Retina. Neuroscience, 2021, 452, 169-180.	2.3	1
44	Impaired SNF2L Chromatin Remodeling Prolongs Accessibility at Promoters Enriched for Fos/Jun Binding Sites and Delays Granule Neuron Differentiation. Frontiers in Molecular Neuroscience, 2021, 14, 680280.	2.9	1