# Arnaud Duchon

List of Publications by Year
in descending order



| 28 | 1,684 | 394421 19 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 32 | 32 | 32 | 2214 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Epigallocatechinâ€3â€gallate, a DYRK1A inhibitor, rescues cognitive deficits in <scp>D</scp>own syndrome mouse models and in humans. Molecular Nutrition and Food Research, 2014, 58, 278-288. | 3.3 | 234 |
| 2 | Identification of the translocation breakpoints in the Ts65Dn and Ts1Cje mouse lines: relevance for modeling down syndrome. Mammalian Genome, 2011, 22, 674-684. | 2.2 | 186 |
| 3 | Specific targeting of the GABA-A receptor Î±5 subtype by a selective inverse agonist restores cognitive deficits in Down syndrome mice. Journal of Psychopharmacology, 2011, 25, 1030-1042. | 4.0 | 153 |
| 4 | DYRK1A, a Dosage-Sensitive Gene Involved in Neurodevelopmental Disorders, Is a Target for Drug Development in Down Syndrome. Frontiers in Behavioral Neuroscience, 2016, 10, 104. | 2.0 | 142 |
| 5 | Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nature Genetics, 2015, 47, 969-978. | 21.4 | 137 |
| 6 | Excitation/inhibition balance and learning are modified by Dyrk1a gene dosage. Neurobiology of Disease, 2014, 69, 65-75. | 4.4 | 104 |
| 7 | A new mouse model for the trisomy of the Abcg1â€“U2af1 region reveals the complexity of the combinatorial genetic code of down syndrome. Human Molecular Genetics, 2009, 18, 4756-4769. | 2.9 | 101 |
| 8 | Pharmacological correction of excitation/inhibition imbalance in Down syndrome mouse models. Frontiers in Behavioral Neuroscience, 2015, 9, 267. | 2.0 | 57 |
| 9 | Correction of cognitive deficits in mouse models of Down syndrome by a pharmacological inhibitor of DYRK1A. DMM Disease Models and Mechanisms, 2018, 11, . | 2.4 | 55 |
| 10 | Chronic Treatment with a Promnesiant GABA-A -Selective Inverse Agonist Increases Immediate Early Genes Expression during Memory Processing in Mice and Rectifies Their Expression Levels in a Down Syndrome Mouse Model. Advances in Pharmacological Sciences, 2011, 2011, 1-11. | 3.7 | 51 |
| 11 | DYRK1A, a Novel Determinant of the Methionine-Homocysteine Cycle in Different Mouse Models Overexpressing this Down-Syndrome-Associated Kinase. PLoS ONE, 2009, 4, e7540. | 2.5 | 50 |
| 12 | Opposite Phenotypes of Muscle Strength and Locomotor Function in Mouse Models of Partial Trisomy and Monosomy 21 for the Proximal Hspa13-App Region. PLoS Genetics, 2015, 11, e1005062. | 3.5 | 39 |
| 13 | Modeling Chromosomes in Mouse to Explore the Function of Genes, Genomic Disorders, and Chromosomal Organization. PLoS Genetics, 2006, 2, e86. | 3.5 | 38 |
| 14 | Prenatal treatment with EGCG enriched green tea extract rescues GAD67 related developmental and cognitive defects in Down syndrome mouse models. Scientific Reports, 2019, 9, 3914. | 3.3 | 35 |
| 15 | The telomeric part of the human chromosome 21 from Cstb to Prmt2 is not necessary for the locomotor and short-term memory deficits observed in the Tc1 mouse model of Down syndrome. Behavioural Brain Research, 2011, 217, 271-281. | 2.2 | 34 |
| 16 | The in vivo Down syndrome genomic library in mouse. Progress in Brain Research, 2012, 197, 169-197. | 1.4 | 33 |
| 17 | Modeling the monosomy for the telomeric part of human chromosome 21 reveals haploinsufficient genes modulating the inflammatory and airway responses. Human Molecular Genetics, 2007, 16, 2040-2052. | 2.9 | 30 |
| 18 | Dyrk1a from Gene Function in Development and Physiology to Dosage Correction across Life Span in Down Syndrome. Genes, 2021, 12, 1833. | 2.4 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Longâ€lasting correction of in vivo LTP and cognitive deficits of mice modelling Down syndrome with an Î±5â€selective GABA<sub>A</sub> inverse agonist. British Journal of Pharmacology, 2020, 177, 1106-1118. | 5.4 | 27 |
| 20 | The App-Runx1 Region Is Critical for Birth Defects and Electrocardiographic Dysfunctions Observed in a Down Syndrome Mouse Model. PLoS Genetics, 2012, 8, e1002724. | 3.5 | 25 |
| 21 | Multi-influential genetic interactions alter behaviour and cognition through six main biological cascades in Down syndrome mouse models. Human Molecular Genetics, 2021, 30, 771-788. | 2.9 | 24 |
| 22 | A Small Compound Targeting Prohibitin with Potential Interest for Cognitive Deficit Rescue in Aging mice and Tau Pathology Treatment. Scientific Reports, 2020, 10, 1143. | 3.3 | 21 |
| 23 | Inducing Segmental Aneuploid Mosaicism in the Mouse Through Targeted Asymmetric Sister Chromatid Event of Recombination. Genetics, 2008, 180, 51-59. | 2.9 | 17 |
| 24 | TUBG1 missense variants underlying cortical malformations disrupt neuronal locomotion and microtubule dynamics but not neurogenesis. Nature Communications, 2019, 10, 2129. | 12.8 | 17 |
| 25 | Dosage of the Abcg1-U2af1 Region Modifies Locomotor and Cognitive Deficits Observed in the Tc1 Mouse Model of Down Syndrome. PLoS ONE, 2015, 10, e0115302. | 2.5 | 16 |
| 26 | Deletion of the App-Runx1 region in mice models human partial monosomy 21. DMM Disease Models and Mechanisms, 2015, 8, 623-634. | 2.4 | 12 |
| 27 | DYRK1A overexpression decreases plasma lecithin:cholesterol acyltransferase activity and apolipoprotein A-I levels. Molecular Genetics and Metabolism, 2013, 110, 371-377. | 1.1 | 5 |
| 28 | Controlled Somatic and Germline Copy Number Variation in the Mouse Model. Current Genomics, 2010, 11, 470-480. | 1.6 | 3 |