Ryan N Doan

List of Publications by Year
in descending order

24 papers	1,590 citations	623734 14 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	3547 citing authors

#	Article	IF	Citations
1	Mutations in Human Accelerated Regions Disrupt Cognition and Social Behavior. Cell, 2016, 167, 341-354.e12.	28.9	280
2	Cell-Type-Specific Alternative Splicing Governs Cell Fate in the Developing Cerebral Cortex. Cell, 2016, 166, 1147-1162.e15.	28.9	276
3	Single-cell analysis reveals transcriptional heterogeneity of neural progenitors in human cortex. Nature Neuroscience, 2015, 18, 637-646.	14.8	247
4	Sodium Channel SCN3A (NaV1.3) Regulation of Human Cerebral Cortical Folding and Oral Motor Development. Neuron, 2018, 99, 905-913.e7.	8.1	109
5	Recessive gene disruptions in autism spectrum disorder. Nature Genetics, 2019, 51, 1092-1098.	21.4	109
6	Rewiring of human neurodevelopmental gene regulatory programs by human accelerated regions. Neuron, 2021, 109, 3239-3251.e7.	8.1	91
7	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. Nature Neuroscience, 2021, 24, 176-185.	14.8	73
8	Landmarks of human embryonic development inscribed in somatic mutations. Science, 2021, 371, 1249-1253.	12.6	65
9	Accurate detection of mosaic variants in sequencing data without matched controls. Nature Biotechnology, 2020, 38, 314-319.	17.5	54
10	Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. Epilepsia, 2021, 62, 1416-1428.	5.1	54
11	Identification of copy number variants in horses. Genome Research, 2012, 22, 899-907.	5.5	49
12	Comprehensive identification of somatic nucleotide variants in human brain tissue. Genome Biology, 2021, 22, 92.	8.8	26
13	Identification of a novel CNTNAP1 mutation causing arthrogryposis multiplex congenita with cerebral and cerebellar atrophy. European Journal of Medical Genetics, 2017, 60, 245-249.	1.3	20
14	Rates and Patterns of Clonal Oncogenic Mutations in the Normal Human Brain. Cancer Discovery, 2022, 12, 172-185.	9.4	19
15	Evolutionary Changes in Transcriptional Regulation: Insights into Human Behavior and Neurological Conditions. Annual Review of Neuroscience, 2018, 41, 185-206.	10.7	18
16	Nutritional programming of accelerated puberty in heifers: alterations in DNA methylation in the arcuate nucleus^{<xref ref-type="fn" rid="afn1">â€</xref>,<xref ref-type="fn" rid="afn2">â€¡</xref>}. Biology of Reproduction, 2016, 96, 174-184.	2.7	14
17	Polymicrogyria is Associated With Pathogenic Variants in PTEN. Annals of Neurology, 2020, 88, 1153-1164.	5.3	14
18	Identification of a Candidate Mutation in the COL1A2 Gene of a Chow Chow With Osteogenesis Imperfecta. Journal of Heredity, 2018, 109, 308-314.	2.4	13

#	Article	IF	Citations
19	Homozygous deletions implicate non-coding epigenetic marks in Autism spectrum disorder. Scientific Reports, 2020, 10, 14045.	3.3	12
20	MIPP-Seq: ultra-sensitive rapid detection and validation of low-frequency mosaic mutations. BMC Medical Genomics, 2021, 14, 47.	1.5	12
21	Identification of Genomic Loci Associated with Rhodococcus equi Susceptibility in Foals. PLoS ONE, 2014, 9, e98710.	2.5	11
22	Postnatal changes in epigenetic modifications of neutrophils of foals are associated with increased ROS function and regulation of neutrophil function. Developmental and Comparative Immunology, 2018, 87, 182-187.	2.3	6
23	Co-segregation of sex chromosomes in the male black widow spider Latrodectus mactans (Araneae,) Tj ETQq1 1 0.784314 rgBT /Over	2.2	3
24	Pathologic characterization of canine multiple system degeneration in the Ibizan hound. Veterinary Pathology, 2021, , 030098582110430.	1.7	1