Tao Cai

List of Publications by Year
in descending order

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77	3,203	201674	161849
papers	citations	27 h-index	54 g-index

108	108	108	5685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional study of novel PAX9 variants: The paired domain and nonâ€syndromic oligodontia. Oral Diseases, 2021, 27, 1468-1477.	3.0	13
2	Novel MSX1 variants identified in families with nonsyndromic oligodontia. International Journal of Oral Science, 2021, 13, 2.	8.6	19
3	Activation of GPR40 attenuates neuroinflammation and improves neurological function via PAK4/CREB/KDM6B pathway in an experimental GMH rat model. Journal of Neuroinflammation, 2021, 18, 160.	7.2	13
4	Case Report: Exome Sequencing Identified Variants in Three Candidate Genes From Two Families With Hearing Loss, Onychodystrophy, and Epilepsy. Frontiers in Genetics, 2021, 12, 728020.	2.3	5
5	A De novo Loss-of-Function Mutation in PAFAH1B1 Identified in a Single Case with Agyriaâ€“Pachygyria Complex. Journal of Pediatric Neurology, 2020, 18, 033-038.	0.2	1
6	Proteome-Wide Alterations of Asymmetric Arginine Dimethylation Associated With Pancreatic Ductal Adenocarcinoma Pathogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 545934.	3.7	5
7	Comparative analysis of rare EDAR mutations and tooth agenesis pattern in EDAR â€and EDA â€associated nonsyndromic oligodontia. Human Mutation, 2020, 41, 1957-1966.	2.5	12
8	Three intellectual disability-associated de novo mutations in MECP2 identified by trio-WES analysis. BMC Medical Genetics, 2020, 21, 99.	2.1	3
9	LINC00210 exerts oncogenic roles in glioma by sponging miR-328. Experimental and Therapeutic Medicine, 2020, 20, 137.	1.8	1
10	LINC00210 exerts oncogenic roles in glioma by sponging miRâ€‘328. Experimental and Therapeutic Medicine, 2020, 20, 1-1.	1.8	3
11	Genetic analysis: Wnt and other pathways in nonsyndromic tooth agenesis. Oral Diseases, 2019, 25, 646-651.	3.0	101
12	Measuring geneâ€“gene interaction using Kullbackâ€“Leibler divergence. Annals of Human Genetics, 2019, 83, 405-417.	0.8	5
13	Case report: a novel mutation in ZIC2 in an infant with microcephaly, holoprosencephaly, and arachnoid cyst. Medicine (United States), 2019, 98, e14780.	1.0	3
14	A novel deletion mutation in KMT2A identified in a child with ID/DD and blood eosinophilia. BMC Medical Genetics, 2019, 20, 38.	2.1	8
15	Immature granulocytes: A novel biomarker of acute respiratory distress syndrome in patients with acute pancreatitis. Journal of Critical Care, 2019, 50, 303-308.	2.2	26
16	Long noncoding <scp>RNA MALAT</scp>1 knockdown reverses chemoresistance to temozolomide via promoting micro<scp>RNA</scp>â€101 in glioblastoma. Cancer Medicine, 2018, 7, 1404-1415.	2.8	82
17	The Fas/Fap-1/Cav-1 complex regulates IL-1RA secretion in mesenchymal stem cells to accelerate wound healing. Science Translational Medicine, 2018, 10, .	12.4	131
18	Targeted deletion of Insm2 in mice result in reduced insulin secretion and glucose intolerance. Journal of Translational Medicine, 2018, 16, 297.	4.4	8

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19	Genomic landscapes of Chinese sporadic autism spectrum disorders revealed by whole-genome sequencing. Journal of Genetics and Genomics, 2018, 45, 527-538.	3.9	33
20	Identification of a novel mutation of RUNX2 in a family with supernumerary teeth and craniofacial dysplasia by whole-exome sequencing. Medicine (United States), 2018, 97, e11328.	1.0	17
21	PAK2 Haploinsufficiency Results in Synaptic Cytoskeleton Impairment and Autism-Related Behavior. Cell Reports, 2018, 24, 2029-2041.	6.4	64
22	Identification of Novel Compound Mutations in PLA2G6-Associated Neurodegeneration Patient with Characteristic MRI Imaging. Molecular Neurobiology, 2017, 54, 4636-4643.	4.0	13
23	DLX3 promotes bone marrow mesenchymal stem cell proliferation through H19/miR-675 axis. Clinical Science, 2017, 131, 2721-2735.	4.3	15
24	Identification of novel mutations in the HbF repressor gene BCL11A in patients with autism and intelligence disabilities. American Journal of Hematology, 2017, 92, E653-E656.	4.1	14
25	Three novel recessive mutations in LAMA2, SYNE1, and TTN are identified in a single case with congenital muscular dystrophy. Neuromuscular Disorders, 2017, 27, 1018-1022.	0.6	6
26	Senescence: novel insight into DLX3 mutations leading to enhanced bone formation in Tricho-Dento-Osseous syndrome. Scientific Reports, 2016, 6, 38680.	3.3	12
27	Next generation deep sequencing identified a novel lncRNA n375709 associated with paclitaxel resistance in nasopharyngeal carcinoma. Oncology Reports, 2016, 36, 1861-1867.	2.6	44
28	Targeted next-generation sequencing reveals multiple deleterious variants in OPLL-associated genes. Scientific Reports, 2016, 6, 26962.	3.3	21
29	Identification of multiple ACVRL1 mutations in patients with pulmonary arterial hypertension by targeted exome capture. Clinical Science, 2016, 130, 1559-1569.	4.3	9
30	Small cell lung cancer growth is inhibited by miR-342 through its effect of the target gene IA-2. Journal of Translational Medicine, 2016, 14, 278.	4.4	17
31	The de novo missense mutation N117S in skeletal muscle Î±-actin 1 causes a mild form of congenital nemaline myopathy. Molecular Medicine Reports, 2016, 14, 1693-1696.	2.4	7
32	Mutations in WNT10B Are Identified in Individuals with Oligodontia. American Journal of Human Genetics, 2016, 99, 195-201.	6.2	91
33	Different expression of miR-29b and VEGFA in glioma. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1927-1932.	2.8	10
34	Genes with de novo mutations are shared by four neuropsychiatric disorders discovered from NPdenovo database. Molecular Psychiatry, 2016, 21, 290-297.	7.9	167
35	Pathophysiologic changes in IA-2/IA-2Î² null mice are secondary to alterations in the secretion of hormones and neurotransmitters. Acta Diabetologica, 2016, 53, 7-12.	2.5	10
36	Wide mutation spectrum and frequent variant Ala27Thr of FBN1 identified in a large cohort of Chinese patients with sporadic TAAD. Scientific Reports, 2015, 5, 13115.	3.3	15

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37	Screening Mutations of MYBPC3 in 114 Unrelated Patients with Hypertrophic Cardiomyopathy by Targeted Capture and Next-generation Sequencing. Scientific Reports, 2015, 5, 11411.	3.3	27
38	Lysosomal storage disease in the brain: mutations of the Î²-mannosidase gene identified in autosomal dominant nystagmus. Genetics in Medicine, 2015, 17, 971-979.	2.4	26
39	miRâ€155 Regulates Glioma Cells Invasion and Chemosensitivity by p38 Isforms In Vitro. Journal of Cellular Biochemistry, 2015, 116, 1213-1221.	2.6	56
40	Dysplastic spondylolysis is caused by mutations in the diastrophic dysplasia sulfate transporter gene. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8064-8069.	7.1	39
41	MBRidge: an accurate and cost-effective method for profiling DNA methylome at single-base resolution. Journal of Molecular Cell Biology, 2015, 7, 299-313.	3.3	5
42	The minimal promoter region of the dense-core vesicle protein IA-2: transcriptional regulation by CREB. Acta Diabetologica, 2015, 52, 573-580.	2.5	0
43	Identification of Differentially Coexpressed Genes in Gonadotrope Tumors and Normal Pituitary Using Bioinformatics Methods. Pathology and Oncology Research, 2014, 20, 375-380.	1.9	7
44	Comparative RNA-seq analysis reveals potential mechanisms mediating the conversion to androgen independence in an LNCaP progression cell model. Cancer Letters, 2014, 342, 130-138.	7.2	16
45	Treatment of lipoid proteinosis due to the p.C220G mutation in ECM1, a major allele in Chinese patients. Journal of Translational Medicine, 2014, 12, 85.	4.4	16
46	Identification of a novel missense (C7W) mutation of SOD1 in a large familial amyotrophic lateral sclerosis pedigree. Neurobiology of Aging, 2014, 35, 725.e11-725.e15.	3.1	6
47	Mesenchymal-Stem-Cell-Induced Immunoregulation Involves FAS-Ligand-/FAS-Mediated T Cell Apoptosis. Cell Stem Cell, 2012, 10, 544-555.	11.1	608
48	Mutations ofANK3identified by exome sequencing are associated with autism susceptibility. Human Mutation, 2012, 33, 1635-1638.	2.5	107
49	Identification of a novel Cys146X mutation of SOD1 in familial amyotrophic lateral sclerosis by whole-exome sequencing. Genetics in Medicine, 2012, 14, 823-826.	2.4	24
50	Analysis of Large Phenotypic Variability of EEC and SHFM4 Syndromes Caused by K193E Mutation of the TP63 Gene. PLoS ONE, 2012, 7, e35337.	2.5	8
51	Deletion of Ia-2 and/or Ia-2Î² in mice decreases insulin secretion by reducing the number of dense core vesicles. Diabetologia, 2011, 54, 2347-2357.	6.3	63
52	Clinical and animal research findings in pycnodysostosis and gene mutations of cathepsin K from 1996 to 2011. Orphanet Journal of Rare Diseases, 2011, 6, 20.	2.7	94
53	Expression of Insulinoma-Associated 2 (INSM2) in Pancreatic Islet Cells Is Regulated by the Transcription Factors Ngn3 and NeuroD1. Endocrinology, 2011, 152, 1961-1969.	2.8	11
54	Biochemical and structural characterization of mouse mitochondrial aspartate aminotransferase, a newly identified kynurenine aminotransferase-IV. Bioscience Reports, 2011, 31, 323-332.	2.4	29

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55	Structure, expression, and function of kynurenine aminotransferases in human and rodent brains. Cellular and Molecular Life Sciences, 2010, 67, 353-368.	5.4	194
56	Thermal stability, pH dependence and inhibition of four murine kynurenine aminotransferases. BMC Biochemistry, 2010, 11, 19.	4.4	29
57	Deletion of the secretory vesicle proteins IAâ€2 and IAâ€2Î² disrupts circadian rhythms of cardiovascular and physical activity. FASEB Journal, 2009, 23, 3226-3232.	0.5	25
58	Dense-core vesicle proteins IA-2 and IA-2Î² affect renin synthesis and secretion through the Î²-adrenergic pathway. American Journal of Physiology - Renal Physiology, 2009, 296, F382-F389.	2.7	17
59	Loss of the Transcriptional Repressor PAG-3/Gfi-1 Results in Enhanced Neurosecretion that is Dependent on the Dense-Core Vesicle Membrane Protein IDA-1/IA-2. PLoS Genetics, 2009, 5, e1000447.	3.5	9
60	Biochemical and Structural Properties of Mouse Kynurenine Aminotransferase III. Molecular and Cellular Biology, 2009, 29, 784-793.	2.3	73
61	Structural Insight into the Inhibition of Human Kynurenine Aminotransferase I/Glutamine Transaminase K. Journal of Medicinal Chemistry, 2009, 52, 2786-2793.	6.4	49
62	Substrate specificity and structure of human aminoadipate aminotransferase/kynurenine aminotransferase II. Bioscience Reports, 2008, 28, 205-215.	2.4	74
63	RESP18, a homolog of the luminal domain IA-2, is found in dense core vesicles in pancreatic islet cells and is induced by high glucose. Journal of Endocrinology, 2007, 195, 313-321.	2.6	24
64	The structure of receptorâ€associated protein (RAP). Protein Science, 2007, 16, 1628-1640.	7.6	23
65	Characterization of kynurenine aminotransferase III, a novel member of a phylogenetically conserved KAT family. Gene, 2006, 365, 111-118.	2.2	93
66	Are IA-2 and RESP18 Involved in Trait of Blood Pressure?. Hypertension, 2005, 46, e18; author reply e18-9.	2.7	0
67	Biochemical and Phenotypic Abnormalities in Kynurenine Aminotransferase II-Deficient Mice. Molecular and Cellular Biology, 2004, 24, 6919-6930.	2.3	72
68	Insulinoma-Associated Protein IA-2, a Vesicle Transmembrane Protein, Genetically Interacts with UNC-31/CAPS and Affects Neurosecretion in Caenorhabditis elegans. Journal of Neuroscience, 2004, 24, 3115-3124.	3.6	63
69	PJA1, Encoding a RING-H2 Finger Ubiquitin Ligase, Is a Novel Human X Chromosome Gene Abundantly Expressed in Brain. Genomics, 2002, 79, 869-874.	2.9	49
70	The Zinc-Finger Transcription Factor INSM1 Is Expressed during Embryo Development and Interacts with the Cbl-Associated Protein. Genomics, 2002, 80, 54-61.	2.9	46
71	A Novel Isoform of Beta-Spectrin II Localizes to Cerebellar Purkinje-Cell Bodies and Interacts with Neurofibromatosis Type 2 Gene Product Schwannomin. Journal of Molecular Neuroscience, 2001, 17, 59-70.	2.3	13
72	Elf3 encodes a novel 200-kD Î²-spectrin: role in liver development. Oncogene, 1999, 18, 353-364.	5.9	69

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73	Genomic structure, chromosomal mapping, and muscle-specific expression of a PH domain-associated intronless gene, cded/lior. Mammalian Genome, 1999, 10, 62-67.	2.2	6
74	Duplication of 7p21.2?pter due to maternal 7p;21q translocation: Implications for critical segment assignment in the 7p duplication syndrome. American Journal of Medical Genetics Part A, 1999, 86, 305-311.	2.4	23
75	Identification of mouse itih-4 encoding a glycoprotein with two EF-hand motifs from early embryonic liver. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1398, 32-37.	2.4	13
76	Praja1, a novel gene encoding a RING-H2 motif in mouse development. Oncogene, 1997, 15, 2361-2368.	5.9	44
77	Case Report: Identification of Two Variants of ALG13 in Families With or Without Seizure and Binocular Strabismus: Phenotypic Spectrum Analysis. Frontiers in Genetics, 0, 13, .	2.3	1