

# Tao Cai

## List of Publications by Year in descending order

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77  
papers

3,203  
citations

201385

27  
h-index

161609

54  
g-index

108  
all docs

108  
docs citations

108  
times ranked

5685  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional study of novel <i>PAX9</i> variants: The paired domain and non-syndromic oligodontia. <i>Oral Diseases</i> , 2021, 27, 1468-1477.	1.5	13
2	Novel <i>MSX1</i> variants identified in families with nonsyndromic oligodontia. <i>International Journal of Oral Science</i> , 2021, 13, 2.	3.6	19
3	Activation of GPR40 attenuates neuroinflammation and improves neurological function via PAK4/CREB/KDM6B pathway in an experimental GMH rat model. <i>Journal of Neuroinflammation</i> , 2021, 18, 160.	3.1	13
4	Case Report: Exome Sequencing Identified Variants in Three Candidate Genes From Two Families With Hearing Loss, Onychodystrophy, and Epilepsy. <i>Frontiers in Genetics</i> , 2021, 12, 728020.	1.1	5
5	A De novo Loss-of-Function Mutation in <i>PAFAH1B1</i> Identified in a Single Case with Agyria/Pachygyria Complex. <i>Journal of Pediatric Neurology</i> , 2020, 18, 033-038.	0.0	1
6	Proteome-Wide Alterations of Asymmetric Arginine Dimethylation Associated With Pancreatic Ductal Adenocarcinoma Pathogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 545934.	1.8	5
7	Comparative analysis of rare <i>EDAR</i> mutations and tooth agenesis pattern in <i>EDAR</i> and <i>EDA</i> -associated nonsyndromic oligodontia. <i>Human Mutation</i> , 2020, 41, 1957-1966.	1.1	12
8	Three intellectual disability-associated de novo mutations in <i>MECP2</i> identified by trio-WES analysis. <i>BMC Medical Genetics</i> , 2020, 21, 99.	2.1	3
9	<i>LINC00210</i> exerts oncogenic roles in glioma by sponging miR-328. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 137.	0.8	1
10	<i>LINC00210</i> exerts oncogenic roles in glioma by sponging miR-328. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	0.8	3
11	Genetic analysis: Wnt and other pathways in nonsyndromic tooth agenesis. <i>Oral Diseases</i> , 2019, 25, 646-651.	1.5	101
12	Measuring gene-gene interaction using Kullback-Leibler divergence. <i>Annals of Human Genetics</i> , 2019, 83, 405-417.	0.3	5
13	Case report: a novel mutation in <i>ZIC2</i> in an infant with microcephaly, holoprosencephaly, and arachnoid cyst. <i>Medicine (United States)</i> , 2019, 98, e14780.	0.4	3
14	A novel deletion mutation in <i>KMT2A</i> identified in a child with ID/DD and blood eosinophilia. <i>BMC Medical Genetics</i> , 2019, 20, 38.	2.1	8
15	Immature granulocytes: A novel biomarker of acute respiratory distress syndrome in patients with acute pancreatitis. <i>Journal of Critical Care</i> , 2019, 50, 303-308.	1.0	26
16	Long noncoding RNA <i>MALAT1</i> knockdown reverses chemoresistance to temozolomide via promoting microRNA-101 in glioblastoma. <i>Cancer Medicine</i> , 2018, 7, 1404-1415.	1.3	82
17	The Fas/Fap-1/Cav-1 complex regulates IL-1RA secretion in mesenchymal stem cells to accelerate wound healing. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	131
18	Targeted deletion of <i>Insm2</i> in mice result in reduced insulin secretion and glucose intolerance. <i>Journal of Translational Medicine</i> , 2018, 16, 297.	1.8	8

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19	Genomic landscapes of Chinese sporadic autism spectrum disorders revealed by whole-genome sequencing. <i>Journal of Genetics and Genomics</i> , 2018, 45, 527-538.	1.7	33
20	Identification of a novel mutation of RUNX2 in a family with supernumerary teeth and craniofacial dysplasia by whole-exome sequencing. <i>Medicine (United States)</i> , 2018, 97, e11328.	0.4	17
21	PAK2 Haploinsufficiency Results in Synaptic Cytoskeleton Impairment and Autism-Related Behavior. <i>Cell Reports</i> , 2018, 24, 2029-2041.	2.9	64
22	Identification of Novel Compound Mutations in PLA2G6-Associated Neurodegeneration Patient with Characteristic MRI Imaging. <i>Molecular Neurobiology</i> , 2017, 54, 4636-4643.	1.9	13
23	DLX3 promotes bone marrow mesenchymal stem cell proliferation through H19/miR-675 axis. <i>Clinical Science</i> , 2017, 131, 2721-2735.	1.8	15
24	Identification of novel mutations in the HbF repressor gene <i>BCL11A</i> in patients with autism and intelligence disabilities. <i>American Journal of Hematology</i> , 2017, 92, E653-E656.	2.0	14
25	Three novel recessive mutations in LAMA2, SYNE1, and TTN are identified in a single case with congenital muscular dystrophy. <i>Neuromuscular Disorders</i> , 2017, 27, 1018-1022.	0.3	6
26	Senescence: novel insight into DLX3 mutations leading to enhanced bone formation in Tricho-Dento-Osseous syndrome. <i>Scientific Reports</i> , 2016, 6, 38680.	1.6	12
27	Next generation deep sequencing identified a novel lncRNA n375709 associated with paclitaxel resistance in nasopharyngeal carcinoma. <i>Oncology Reports</i> , 2016, 36, 1861-1867.	1.2	44
28	Targeted next-generation sequencing reveals multiple deleterious variants in OPLL-associated genes. <i>Scientific Reports</i> , 2016, 6, 26962.	1.6	21
29	Identification of multiple <i>ACVRL1</i> mutations in patients with pulmonary arterial hypertension by targeted exome capture. <i>Clinical Science</i> , 2016, 130, 1559-1569.	1.8	9
30	Small cell lung cancer growth is inhibited by miR-342 through its effect of the target gene IA-2. <i>Journal of Translational Medicine</i> , 2016, 14, 278.	1.8	17
31	The de novo missense mutation N117S in skeletal muscle $\beta$ -actin 1 causes a mild form of congenital nemaline myopathy. <i>Molecular Medicine Reports</i> , 2016, 14, 1693-1696.	1.1	7
32	Mutations in WNT10B Are Identified in Individuals with Oligodontia. <i>American Journal of Human Genetics</i> , 2016, 99, 195-201.	2.6	91
33	Different expression of miR-29b and VEGFA in glioma. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1927-1932.	1.9	10
34	Genes with de novo mutations are shared by four neuropsychiatric disorders discovered from NPdenovo database. <i>Molecular Psychiatry</i> , 2016, 21, 290-297.	4.1	167
35	Pathophysiologic changes in IA-2/IA-2 <sup>0/0</sup> null mice are secondary to alterations in the secretion of hormones and neurotransmitters. <i>Acta Diabetologica</i> , 2016, 53, 7-12.	1.2	10
36	Wide mutation spectrum and frequent variant Ala27Thr of FBN1 identified in a large cohort of Chinese patients with sporadic TAAD. <i>Scientific Reports</i> , 2015, 5, 13115.	1.6	15

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37	Screening Mutations of MYBPC3 in 114 Unrelated Patients with Hypertrophic Cardiomyopathy by Targeted Capture and Next-generation Sequencing. <i>Scientific Reports</i> , 2015, 5, 11411.	1.6	27
38	Lysosomal storage disease in the brain: mutations of the $\beta$ -mannosidase gene identified in autosomal dominant nystagmus. <i>Genetics in Medicine</i> , 2015, 17, 971-979.	1.1	26
39	miR-155 Regulates Glioma Cells Invasion and Chemosensitivity by p38 Isoforms In Vitro. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1213-1221.	1.2	56
40	Dysplastic spondylolysis is caused by mutations in the diastrophic dysplasia sulfate transporter gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8064-8069.	3.3	39
41	MBRidge: an accurate and cost-effective method for profiling DNA methylome at single-base resolution. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 299-313.	1.5	5
42	The minimal promoter region of the dense-core vesicle protein IA-2: transcriptional regulation by CREB. <i>Acta Diabetologica</i> , 2015, 52, 573-580.	1.2	0
43	Identification of Differentially Coexpressed Genes in Gonadotrope Tumors and Normal Pituitary Using Bioinformatics Methods. <i>Pathology and Oncology Research</i> , 2014, 20, 375-380.	0.9	7
44	Comparative RNA-seq analysis reveals potential mechanisms mediating the conversion to androgen independence in an LNCaP progression cell model. <i>Cancer Letters</i> , 2014, 342, 130-138.	3.2	16
45	Treatment of lipoid proteinosis due to the p.C220G mutation in ECM1, a major allele in Chinese patients. <i>Journal of Translational Medicine</i> , 2014, 12, 85.	1.8	16
46	Identification of a novel missense (C7W) mutation of SOD1 in a large familial amyotrophic lateral sclerosis pedigree. <i>Neurobiology of Aging</i> , 2014, 35, 725.e11-725.e15.	1.5	6
47	Mesenchymal-Stem-Cell-Induced Immunoregulation Involves FAS-Ligand-/FAS-Mediated T Cell Apoptosis. <i>Cell Stem Cell</i> , 2012, 10, 544-555.	5.2	608
48	Mutations of ANK3 identified by exome sequencing are associated with autism susceptibility. <i>Human Mutation</i> , 2012, 33, 1635-1638.	1.1	107
49	Identification of a novel Cys146X mutation of SOD1 in familial amyotrophic lateral sclerosis by whole-exome sequencing. <i>Genetics in Medicine</i> , 2012, 14, 823-826.	1.1	24
50	Analysis of Large Phenotypic Variability of EEC and SHFM4 Syndromes Caused by K193E Mutation of the TP63 Gene. <i>PLoS ONE</i> , 2012, 7, e35337.	1.1	8
51	Deletion of Ia-2 and/or Ia-2 <sup>fl</sup> in mice decreases insulin secretion by reducing the number of dense core vesicles. <i>Diabetologia</i> , 2011, 54, 2347-2357.	2.9	63
52	Clinical and animal research findings in pycnodysostosis and gene mutations of cathepsin K from 1996 to 2011. <i>Orphanet Journal of Rare Diseases</i> , 2011, 6, 20.	1.2	94
53	Expression of Insulinoma-Associated 2 (INSM2) in Pancreatic Islet Cells Is Regulated by the Transcription Factors Ngn3 and NeuroD1. <i>Endocrinology</i> , 2011, 152, 1961-1969.	1.4	11
54	Biochemical and structural characterization of mouse mitochondrial aspartate aminotransferase, a newly identified kynurenine aminotransferase-IV. <i>Bioscience Reports</i> , 2011, 31, 323-332.	1.1	29

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55	Structure, expression, and function of kynurenine aminotransferases in human and rodent brains. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 353-368.	2.4	194
56	Thermal stability, pH dependence and inhibition of four murine kynurenine aminotransferases. <i>BMC Biochemistry</i> , 2010, 11, 19.	4.4	29
57	Deletion of the secretory vesicle proteins IA-2 and IA-2 <sup>Δ2</sup> disrupts circadian rhythms of cardiovascular and physical activity. <i>FASEB Journal</i> , 2009, 23, 3226-3232.	0.2	25
58	Dense-core vesicle proteins IA-2 and IA-2 <sup>Δ2</sup> affect renin synthesis and secretion through the $\beta$ -adrenergic pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F382-F389.	1.3	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. <i>PLoS Genetics</i> , 2009, 5, e1000447.	1.5	9
60	Biochemical and Structural Properties of Mouse Kynurenine Aminotransferase III. <i>Molecular and Cellular Biology</i> , 2009, 29, 784-793.	1.1	73
61	Structural Insight into the Inhibition of Human Kynurenine Aminotransferase I/Glutamine Transaminase K. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2786-2793.	2.9	49
62	Substrate specificity and structure of human amino adipate aminotransferase/kynurenine aminotransferase II. <i>Bioscience Reports</i> , 2008, 28, 205-215.	1.1	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. <i>Journal of Endocrinology</i> , 2007, 195, 313-321.	1.2	24
64	The structure of receptor-associated protein (RAP). <i>Protein Science</i> , 2007, 16, 1628-1640.	3.1	23
65	Characterization of kynurenine aminotransferase III, a novel member of a phylogenetically conserved KAT family. <i>Gene</i> , 2006, 365, 111-118.	1.0	93
66	Are IA-2 and RESP18 Involved in Trait of Blood Pressure?. <i>Hypertension</i> , 2005, 46, e18; author reply e18-9.	1.3	0
67	Biochemical and Phenotypic Abnormalities in Kynurenine Aminotransferase II-Deficient Mice. <i>Molecular and Cellular Biology</i> , 2004, 24, 6919-6930.	1.1	72
68	Insulinoma-Associated Protein IA-2, a Vesicle Transmembrane Protein, Genetically Interacts with UNC-31/CAPS and Affects Neurosecretion in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2004, 24, 3115-3124.	1.7	63
69	PJA1, Encoding a RING-H2 Finger Ubiquitin Ligase, Is a Novel Human X Chromosome Gene Abundantly Expressed in Brain. <i>Genomics</i> , 2002, 79, 869-874.	1.3	49
70	The Zinc-Finger Transcription Factor INSM1 Is Expressed during Embryo Development and Interacts with the Cbl-Associated Protein. <i>Genomics</i> , 2002, 80, 54-61.	1.3	46
71	A Novel Isoform of Beta-Spectrin II Localizes to Cerebellar Purkinje-Cell Bodies and Interacts with Neurofibromatosis Type 2 Gene Product Schwannomin. <i>Journal of Molecular Neuroscience</i> , 2001, 17, 59-70.	1.1	13
72	Elf3 encodes a novel 200-kD $\beta$ -spectrin: role in liver development. <i>Oncogene</i> , 1999, 18, 353-364.	2.6	69

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73	Genomic structure, chromosomal mapping, and muscle-specific expression of a PH domain-associated intronless gene, <i>cded/lor</i> . <i>Mammalian Genome</i> , 1999, 10, 62-67.	1.0	6
74	Duplication of 7p21.2?pter due to maternal 7p;21q translocation: Implications for critical segment assignment in the 7p duplication syndrome. <i>American Journal of Medical Genetics Part A</i> , 1999, 86, 305-311.	2.4	23
75	Identification of mouse <i>itih-4</i> encoding a glycoprotein with two EF-hand motifs from early embryonic liver. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1398, 32-37.	2.4	13
76	<i>Praja1</i> , a novel gene encoding a RING-H2 motif in mouse development. <i>Oncogene</i> , 1997, 15, 2361-2368.	2.6	44
77	Case Report: Identification of Two Variants of <i>ALG13</i> in Families With or Without Seizure and Binocular Strabismus: Phenotypic Spectrum Analysis. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1