

Huiqing Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,975
citations

109321

35
h-index

138484

58
g-index

90
all docs

90
docs citations

90
times ranked

6454
citing authors

#	ARTICLE	IF	CITATIONS
1	Disruption of an EHMT1-Associated Chromatin-Modification Module Causes Intellectual Disability. <i>American Journal of Human Genetics</i> , 2012, 91, 73-82.	6.2	214
2	Mutations in ISPD cause Walker-Warburg syndrome and defective glycosylation of α -dystroglycan. <i>Nature Genetics</i> , 2012, 44, 581-585.	21.4	191
3	Epigenetic Regulation of Learning and Memory by <i>Drosophila</i> EHMT/G9a. <i>PLoS Biology</i> , 2011, 9, e1000569.	5.6	185
4	Genome-Wide Profiling of p300 Binding Sites Identifies an Element that Regulates Gene Expression during Limb Development in the 7q21 SHFM1 Locus. <i>PLoS Genetics</i> , 2010, 6, e1001065.	3.5	169
5	p300 microRNA feedback in keratinocyte senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1133-1138.	7.1	161
6	De Novo Mutations in the Genome Organizer CTCF Cause Intellectual Disability. <i>American Journal of Human Genetics</i> , 2013, 93, 124-131.	6.2	151
7	p300 sustains self-renewal of mammary cancer stem cells through regulation of Sonic Hedgehog signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3499-3504.	7.1	141
8	Transcription factor p300 bookmarks and regulates dynamic enhancers during epidermal differentiation. <i>EMBO Reports</i> , 2015, 16, 863-878.	4.5	134
9	Master regulatory role of p300 in epidermal development and disease. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1179-1190.	5.4	133
10	Cooperation between the transcription factors p300 and IRF6 is essential to prevent cleft palate in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 1561-1569.	8.2	123
11	Functional convergence of histone methyltransferases EHMT1 and KMT2C involved in intellectual disability and autism spectrum disorder. <i>PLoS Genetics</i> , 2017, 13, e1006864.	3.5	116
12	Mutations in the Epithelial Cadherin-p120-Catenin Complex Cause Mendelian Non-Syndromic Cleft Lip with or without Cleft Palate. <i>American Journal of Human Genetics</i> , 2018, 102, 1143-1157.	6.2	94
13	Neuronal network dysfunction in a model for Kleefstra syndrome mediated by enhanced NMDAR signaling. <i>Nature Communications</i> , 2019, 10, 4928.	12.8	92
14	Histone Methylation by the Kleefstra Syndrome Protein EHMT1 Mediates Homeostatic Synaptic Scaling. <i>Neuron</i> , 2016, 91, 341-355.	8.1	74
15	Choices for Induction of Pluripotency: Recent Developments in Human Induced Pluripotent Stem Cell Reprogramming Strategies. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 54-72.	5.6	70
16	Impaired epithelial differentiation of induced pluripotent stem cells from ectodermal dysplasia-related patients is rescued by the small compound APR-246/PRIMA-1 ^{MET} . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2152-2156.	7.1	69
17	Mutant p300 causes defective expansion of ectodermal progenitor cells and impaired FGF signalling in AEC syndrome. <i>EMBO Molecular Medicine</i> , 2012, 4, 192-205.	6.9	68
18	Uncleaved TFIIA Is a Substrate for Taspase 1 and Active in Transcription. <i>Molecular and Cellular Biology</i> , 2006, 26, 2728-2735.	2.3	67

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19	p63 control of desmosome gene expression and adhesion is compromised in AEC syndrome. <i>Human Molecular Genetics</i> , 2013, 22, 531-543.	2.9	65
20	Reduced Euchromatin histone methyltransferase 1 causes developmental delay, hypotonia, and cranial abnormalities associated with increased bone gene expression in Kleeftstra syndrome mice. <i>Developmental Biology</i> , 2014, 386, 395-407.	2.0	65
21	p63 supports aerobic respiration through hexokinase II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11577-11582.	7.1	64
22	Regulation of vitamin metabolism by p53 and p63 in development and cancer. <i>Cell Cycle</i> , 2010, 9, 2749-2757.	2.6	59
23	Novel mutations in LRP6 highlight the role of WNT signaling in tooth agenesis. <i>Genetics in Medicine</i> , 2016, 18, 1158-1162.	2.4	58
24	CTCF-mediated chromatin loops enclose inducible gene regulatory domains. <i>BMC Genomics</i> , 2016, 17, 252.	2.8	58
25	Vitamin A and clefting: putative biological mechanisms. <i>Nutrition Reviews</i> , 2011, 69, 613-624.	5.8	56
26	Differential altered stability and transcriptional activity of Δ Np63 mutants in distinct ectodermal dysplasias. <i>Journal of Cell Science</i> , 2011, 124, 2200-2207.	2.0	56
27	An etiologic regulatory mutation in IRF6 with loss- and gain-of-function effects. <i>Human Molecular Genetics</i> , 2014, 23, 2711-2720.	2.9	55
28	A novel translation re-initiation mechanism for the p63 gene revealed by amino-terminal truncating mutations in Rapp-Hodgkin/Hay-Wells-like syndromes. <i>Human Molecular Genetics</i> , 2008, 17, 1968-1977.	2.9	53
29	TAp63 Is Important for Cardiac Differentiation of Embryonic Stem Cells and Heart Development. <i>Stem Cells</i> , 2011, 29, 1672-1683.	3.2	49
30	Tooth agenesis and orofacial clefting: genetic brothers in arms?. <i>Human Genetics</i> , 2016, 135, 1299-1327.	3.8	46
31	Δ Np63-mediated regulation of hyaluronic acid metabolism and signaling supports HNSCC tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13254-13259.	7.1	46
32	Distinct Pathogenic Genes Causing Intellectual Disability and Autism Exhibit a Common Neuronal Network Hyperactivity Phenotype. <i>Cell Reports</i> , 2020, 30, 173-186.e6.	6.4	44
33	Systematic analysis of copy number variants of a large cohort of orofacial cleft patients identifies candidate genes for orofacial clefts. <i>Human Genetics</i> , 2016, 135, 41-59.	3.8	42
34	Mutant p63 Affects Epidermal Cell Identity through Rewiring the Enhancer Landscape. <i>Cell Reports</i> , 2018, 25, 3490-3503.e4.	6.4	41
35	Evolutionary re-wiring of p63 and the epigenomic regulatory landscape in keratinocytes and its potential implications on species-specific gene expression and phenotypes. <i>Nucleic Acids Research</i> , 2017, 45, 8208-8224.	14.5	39
36	Modeling of Aniridia-Related Keratopathy by CRISPR/Cas9 Genome Editing of Human Limbal Epithelial Cells and Rescue by Recombinant PAX6 Protein. <i>Stem Cells</i> , 2018, 36, 1421-1429.	3.2	39

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37	ANANSE: an enhancer network-based computational approach for predicting key transcription factors in cell fate determination. <i>Nucleic Acids Research</i> , 2021, 49, 7966-7985.	14.5	39
38	A facelift for the general transcription factor TFIIA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2007, 1769, 429-436.	2.4	38
39	The genetics of selective serotonin reuptake inhibitors. , 2012, 136, 375-400.		38
40	APR-246/PRIMA-1MET rescues epidermal differentiation in skin keratinocytes derived from EEC syndrome patients with p63 mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2157-2162.	7.1	37
41	p63 controls cell migration and invasion by transcriptional regulation of MTSS1. <i>Oncogene</i> , 2016, 35, 1602-1608.	5.9	37
42	Duplicated Enhancer Region Increases Expression of CTSB and Segregates with Keratolytic Winter Erythema in South African and Norwegian Families. <i>American Journal of Human Genetics</i> , 2017, 100, 737-750.	6.2	35
43	p63 exerts spatio-temporal control of palatal epithelial cell fate to prevent cleft palate. <i>PLoS Genetics</i> , 2017, 13, e1006828.	3.5	34
44	Increased H3K9 methylation and impaired expression of Protocadherins are associated with the cognitive dysfunctions of the Kleefstra syndrome. <i>Nucleic Acids Research</i> , 2018, 46, 4950-4965.	14.5	32
45	Genomic approaches for studying craniofacial disorders. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2013, 163, 218-231.	1.6	29
46	Gene regulatory mechanisms orchestrated by p63 in epithelial development and related disorders. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 590-600.	1.9	27
47	Mutations in GDF11 and the extracellular antagonist, Follistatin, as a likely cause of Mendelian forms of orofacial clefting in humans. <i>Human Mutation</i> , 2019, 40, 1813-1825.	2.5	26
48	Long-term consequences of chronic fluoxetine exposure on the expression of myelination-related genes in the rat hippocampus. <i>Translational Psychiatry</i> , 2015, 5, e642-e642.	4.8	24
49	Perinatal reduction of functional serotonin transporters results in developmental delay. <i>Neuropharmacology</i> , 2016, 109, 96-111.	4.1	24
50	p63 cooperates with CTCF to modulate chromatin architecture in skin keratinocytes. <i>Epigenetics and Chromatin</i> , 2019, 12, 31.	3.9	24
51	An hsRPB4/7-dependent yeast assay for trans-activation by the EWS oncogene. <i>Oncogene</i> , 2001, 20, 1519-1524.	5.9	23
52	Cleavage and proteasome-mediated degradation of the basal transcription factor TFIIA. <i>EMBO Journal</i> , 2004, 23, 3083-3091.	7.8	23
53	p63 is a key regulator of iRHOM2 signalling in the keratinocyte stress response. <i>Nature Communications</i> , 2018, 9, 1021.	12.8	23
54	Angiomodulin is required for cardiogenesis of embryonic stem cells and is maintained by a feedback loop network of p63 and Activin-A. <i>Stem Cell Research</i> , 2014, 12, 49-59.	0.7	21

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55	Splicing and Chromatin Factors Jointly Regulate Epidermal Differentiation. <i>Cell Reports</i> , 2018, 25, 1292-1303.e5.	6.4	21
56	Single-cell RNA-seq identifies a reversible mesodermal activation in abnormally specified epithelia of p63 EEC syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17361-17370.	7.1	19
57	Genome-wide p63-regulated gene expression in differentiating epidermal keratinocytes. <i>Genomics Data</i> , 2015, 5, 159-163.	1.3	16
58	Retinoic acid signalling in the development of the epidermis, the limbs and the secondary palate. <i>Differentiation</i> , 2016, 92, 326-335.	1.9	16
59	Deletions and loss-of-function variants in TP63 associated with orofacial clefting. <i>European Journal of Human Genetics</i> , 2019, 27, 1101-1112.	2.8	16
60	Transcriptome Analysis Identifies Multifaceted Regulatory Mechanisms Dictating a Genetic Switch from Neuronal Network Establishment to Maintenance During Postnatal Prefrontal Cortex Development. <i>Cerebral Cortex</i> , 2018, 28, 833-851.	2.9	15
61	Isoform-Specific Roles of Mutant p63 in Human Diseases. <i>Cancers</i> , 2021, 13, 536.	3.7	15
62	Embryonic stem cells as an ectodermal cellular model of human p63-related dysplasia syndromes. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 131-135.	2.1	14
63	An FEVR-associated mutation in ZNF408 alters the expression of genes involved in the development of vasculature. <i>Human Molecular Genetics</i> , 2018, 27, 3519-3527.	2.9	14
64	The Multiple Roles of Conserved Arginine 286 of 1-Aminocyclopropane-1-Carboxylate Synthase. Coenzyme Binding, Substrate Binding, and Beyond. <i>Plant Physiology</i> , 1999, 121, 913-919.	4.8	13
65	Novel <i>IRF6</i> Mutations Detected in Orofacial Cleft Patients by Targeted Massively Parallel Sequencing. <i>Journal of Dental Research</i> , 2017, 96, 179-185.	5.2	12
66	TA [*] p63 and GTAp63 achieve tighter transcriptional regulation in quality control by converting an inhibitory element into an additional transactivation domain. <i>Cell Death and Disease</i> , 2019, 10, 686.	6.3	10
67	Renaturation of 1-Aminocyclopropane-1-carboxylate Synthase Expressed in <i>Escherichia coli</i> in the Form of Inclusion Bodies into a Dimeric and Catalytically Active Enzyme. <i>Protein Expression and Purification</i> , 1998, 12, 305-314.	1.3	9
68	Identification of a de novo variant in <i>CHUK</i> in a patient with an EEC/AEC syndrome-like phenotype and hypogammaglobulinemia. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 1813-1820.	1.2	8
69	Terminal keratinocyte differentiation in vitro is associated with a stable DNA methylome. <i>Experimental Dermatology</i> , 2021, 30, 1023-1032.	2.9	8
70	A Mutation in TP63 Causing a Mild Ectodermal Dysplasia Phenotype. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2277-2280.	0.7	5
71	Effects of retinoic acid on proliferation and gene expression of cleft and non-cleft palatal keratinocytes. <i>European Journal of Orthodontics</i> , 2014, 36, 727-734.	2.4	5
72	Enhanced pro-apoptosis gene signature following the activation of TAp63 ^Δ in oocytes upon γ irradiation. <i>Cell Death and Disease</i> , 2022, 13, 204.	6.3	5

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73	Deregulated Adhesion Program in Palatal Keratinocytes of Orofacial Cleft Patients. <i>Genes</i> , 2019, 10, 836.	2.4	4
74	CRISPR-Cas9-Based Genomic Engineering in Keratinocytes: From Technology to Application. <i>JID Innovations</i> , 2022, 2, 100082.	2.4	4
75	Enhanced High-Level Expression of Soluble 1-Aminocyclopropane-1-Carboxylase Synthase and Rapid Purification by Expanded-Bed Adsorption. <i>Protein Expression and Purification</i> , 1998, 14, 178-184.	1.3	3
76	A step closer toward therapies for p63-related disorders. <i>Rare Diseases (Austin, Tex)</i> , 2013, 1, e24247.	1.8	3
77	Pluripotent Stem Cell Differentiation Toward Functional Basal Stratified Epithelial Cells. <i>Methods in Molecular Biology</i> , 2020, , 297-304.	0.9	3
78	Regulation of vitamin metabolism by p53 and p63 in development and cancer. <i>Cell Cycle</i> , 2010, 9, 2709.	2.6	3
79	Characterization of In Vitro Differentiation of Human Primary Keratinocytes by RNA-Seq Analysis. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	1
80	Front Cover, Volume 40, Issue 10. <i>Human Mutation</i> , 2019, 40, i.	2.5	0