

# Bichun Li

## List of Publications by Year in descending order

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50  
papers

495  
citations

759055

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52  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Crucial Genes and Pathways in Chicken Germ Stem Cell Differentiation. Journal of Biological Chemistry, 2015, 290, 13605-13621.	1.6	43
2	Site-Directed Genome Knockout in Chicken Cell Line and Embryos Can Use CRISPR/Cas Gene Editing Technology. G3: Genes, Genomes, Genetics, 2016, 6, 1787-1792.	0.8	37
3	Efficient generation of transgenic chickens using the spermatogonial stem cells in vivo and ex vivo transfection. Science in China Series C: Life Sciences, 2008, 51, 734-742.	1.3	29
4	Effects of the Transforming Growth Factor Beta Signaling Pathway on the Differentiation of Chicken Embryonic Stem Cells into Male Germ Cells. Cellular Reprogramming, 2016, 18, 401-410.	0.5	28
5	Wnt signaling pathway regulates differentiation of chicken embryonic stem cells into spermatogonial stem cells via Wnt5a. Journal of Cellular Biochemistry, 2018, 119, 1689-1701.	1.2	28
6	CRISPR/Cas9 mediated chicken Stra8 gene knockout and inhibition of male germ cell differentiation. PLoS ONE, 2017, 12, e0172207.	1.1	24
7	NICD-mediated notch transduction regulates the different fate of chicken primordial germ cells and spermatogonial stem cells. Cell and Bioscience, 2018, 8, 40.	2.1	23
8	DNA Methylation and Regulatory Elements during Chicken Germline Stem Cell Differentiation. Stem Cell Reports, 2018, 10, 1793-1806.	2.3	19
9	Interaction of the primordial germ cell-specific protein C2EIP with PTCH2 directs differentiation of embryonic stem cells via HH signaling activation. Cell Death and Disease, 2018, 9, 497.	2.7	18
10	RXR $\alpha$ associated in PPAR signal regulated the differentiation of primordial germ cell. Journal of Cellular Biochemistry, 2018, 119, 6926-6934.	1.2	18
11	Isolation of chicken embryonic stem cell and preparation of chicken chimeric model. Molecular Biology Reports, 2013, 40, 2149-2156.	1.0	14
12	CREPT and p15RS regulate cell proliferation and cycling in chicken DF $\alpha$ 1 cells through the Wnt/ $\beta$ -catenin pathway. Journal of Cellular Biochemistry, 2018, 119, 1083-1092.	1.2	14
13	Distinct roles of retinoic acid and BMP4 pathways in the formation of chicken primordial germ cells and spermatogonial stem cells. Food and Function, 2019, 10, 7152-7163.	2.1	14
14	Narrow H3K4me2 is required for chicken PGC formation. Journal of Cellular Physiology, 2021, 236, 1391-1400.	2.0	14
15	Dynamic expression and regulatory mechanism of TGF- $\beta$ 2 signaling in chicken embryonic stem cells differentiating into spermatogonial stem cells. Bioscience Reports, 2017, 37, .	1.1	11
16	Regulation of Hedgehog Signaling in Chicken Embryonic Stem Cells Differentiation Into Male Germ Cells (Gallus ). Journal of Cellular Biochemistry, 2017, 118, 1379-1386.	1.2	10
17	CYP19A1 (aromatase) dominates female gonadal differentiation in chicken (Gallus gallus) embryos sexual differentiation. Bioscience Reports, 2020, 40, .	1.1	10
18	Functional characterization of the Sox2 , c-Myc , and Oct4 promoters. Journal of Cellular Biochemistry, 2019, 120, 332-342.	1.2	9

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19	Analysis of lncRNA Expression Profile during the Formation of Male Germ Cells in Chickens. <i>Animals</i> , 2020, 10, 1850.	1.0	9
20	Regulation of fibroblast growth factor 8 ( <i>FGF8</i> ) in chicken embryonic stem cells differentiation into spermatogonial stem cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2396-2407.	1.2	7
21	P53 and H3K4me2 activate N6-methylated <i>lncPGCAT1</i> to regulate primordial germ cell formation via MAPK signaling. <i>Journal of Cellular Physiology</i> , 2020, 235, 9895-9909.	2.0	7
22	Spin1z induces the male pathway in the chicken by down-regulating Tcf4. <i>Gene</i> , 2021, 780, 145521.	1.0	7
23	BMP4 activates the Wnt- <i>Lin28A-Blimp1</i> -Wnt pathway to promote primordial germ cells formation via altering H3K4me2. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	7
24	Retinoic acid promotes formation of chicken ( <i>Gallus gallus</i> ) spermatogonial stem cells by regulating the ECM-receptor interaction signaling pathway. <i>Gene</i> , 2022, 820, 146227.	1.0	7
25	Regulatory mechanism of protein metabolic pathway during the differentiation process of chicken male germ cell. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 655-661.	0.7	6
26	CRISPR/Cas9-Mediated Deletion of <i>C1EIS</i> Inhibits Chicken Embryonic Stem Cell Differentiation Into Male Germ Cells ( <i>Gallus gallus</i> ). <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2380-2386.	1.2	6
27	<i>MAPK8</i> regulates chicken male germ cell differentiation through JNK signaling pathway. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 1548-1557.	1.2	6
28	Role and function of the Hintw in early sex differentiation in chicken ( <i>Gallus gallus</i> ) embryo. <i>Animal Biotechnology</i> , 2021, , 1-11.	0.7	6
29	Epigenetic modification cooperates with Zeb1 transcription factor to regulate Bmp4 to promote chicken PGCs formation. <i>Gene</i> , 2021, 794, 145760.	1.0	6
30	Selection of the Inducer for the Differentiation of Chicken Embryonic Stem Cells into Male Germ Cells In Vitro. <i>PLoS ONE</i> , 2016, 11, e0164664.	1.1	5
31	Long Noncoding RNA <i>lncPGCR</i> Mediated by TCF7L2 Regulates Primordial Germ Cell Formation in Chickens. <i>Animals</i> , 2021, 11, 292.	1.0	4
32	Characterization of Alternative Splicing (AS) Events during Chicken ( <i>Gallus gallus</i> ) Male Germ-Line Stem Cell Differentiation with Single-Cell RNA-seq. <i>Animals</i> , 2021, 11, 1469.	1.0	4
33	<i>Hsd3b2</i> associated in modulating steroid hormone synthesis pathway regulates the differentiation of chicken embryonic stem cells into spermatogonial stem cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 1111-1121.	1.2	3
34	HMGCS1 Promotes male differentiation of chicken embryos by regulating the generate of cholesterol. <i>International Journal of Transgender Health</i> , 2021, 14, 577-587.	1.1	3
35	H3K4me2 Promotes the Activation of <i>lncCPSET1</i> by Jun in the Chicken PGC Formation. <i>Animals</i> , 2021, 11, 1572.	1.0	3
36	UBE2I stimulates female gonadal differentiation in chicken ( <i>Gallus gallus</i> ) embryos. <i>Journal of Integrative Agriculture</i> , 2021, 20, 2986-2994.	1.7	3

#	ARTICLE	IF	CITATIONS
37	Study on the Function and Mechanism of Lin28B in the Formation of Chicken Primordial Germ Cells. <i>Animals</i> , 2021, 11, 43.	1.0	3
38	Research on the appropriate way to transfer exogenous substances into chicken embryos. <i>Journal of Integrative Agriculture</i> , 2017, 16, 2257-2263.	1.7	2
39	Nanos2 promotes differentiation of chicken ( <i>Gallus gallus</i> ) embryonic stem cells to male germ cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4435-4446.	1.2	2
40	Study on immortal conditions of chicken embryonic stem cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 1376-1385.	1.2	2
41	Transcriptome Sequencing and Comparative Analysis of Amphoteric ESCs and PGCs in Chicken ( <i>Gallus</i> ) Tj ETQq1 1 0,784314,rgBT /Over	1.0	2
42	miR-302d Competitively Binding with the lncRNA-341 Targets TLE4 in the Process of SSC Generation. <i>Stem Cells International</i> , 2021, 2021, 1-14.	1.2	2
43	Characteristics of the TDRD1 gene promoter in chickens. <i>Molecular Genetics and Genomics</i> , 2022, , 1.	1.0	2
44	Tle4z1 Facilitate the Male Sexual Differentiation of Chicken Embryos. <i>Frontiers in Physiology</i> , 2022, 13, 856980.	1.3	2
45	<i>Nanos2</i> promotes differentiation of male germ cells basing on the negative regulation of Foxd3 and the treatment of 5â€Azadc and TSA. <i>Journal of Cellular Physiology</i> , 2019, 234, 3762-3774.	2.0	1
46	C1EIP Functions as an Activator of ENO1 to Promote Chicken PGCs Formation via Inhibition of the Notch Signaling Pathway. <i>Frontiers in Genetics</i> , 2020, 11, 751.	1.1	1
47	DHCR24 (24-Dehydrocholesterol Reductase) Associated in Modulating Steroid Biosynthesis Pathway Regulates the Differentiation of Chicken Embryonic Stem Cells into Male Germ Cells. <i>Journal of Biomaterials and Tissue Engineering</i> , 2022, 12, 1550-1557.	0.0	1
48	DNA hypomethylation activation Wnt/TCF7L2/TDRD1 pathway promotes spermatogonial stem cell formation. <i>Journal of Cellular Physiology</i> , 0, , .	2.0	1
49	Cloning, expression pattern analysis, and subcellular localization of <i>Capra hircus</i> SCD1 gene with production of transgenic mice. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2240-2247.	1.2	0
50	Identification and Generation of Transgenic Mice and Goats with <i>Capra hircus</i> SCD1 Gene. <i>Pakistan Journal of Zoology</i> , 2021, 53, .	0.1	0