

# Bo Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

984  
citations

567144

15  
h-index

501076

28  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1150  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-depth proteomic analysis of the human sperm reveals complex protein compositions. <i>Journal of Proteomics</i> , 2013, 79, 114-122.	1.2	174
2	An essential role for PNLDC1 in piRNA 3' end trimming and male fertility in mice. <i>Cell Research</i> , 2017, 27, 1392-1396.	5.7	73
3	CRISPR/Cas9-mediated <i>Dax1</i> knockout in the monkey recapitulates human AHC-HH. <i>Human Molecular Genetics</i> , 2015, 24, 7255-7264.	1.4	71
4	Mapping of the N-Linked Glycoproteome of Human Spermatozoa. <i>Journal of Proteome Research</i> , 2013, 12, 5750-5759.	1.8	56
5	Scanning of novel cancer/testis proteins by human testis proteomic analysis. <i>Proteomics</i> , 2013, 13, 1200-1210.	1.3	54
6	Generation of a precise Oct4-hrGFP knockin cynomolgus monkey model via CRISPR/Cas9-assisted homologous recombination. <i>Cell Research</i> , 2018, 28, 383-386.	5.7	42
7	Establishment of a proteome profile and identification of molecular markers for mouse spermatogonial stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 521-534.	1.6	27
8	Establishment of a proteomic profile associated with gonocyte and spermatogonial stem cell maturation and differentiation in neonatal mice. <i>Proteomics</i> , 2014, 14, 274-285.	1.3	25
9	Cellular nucleic acid-binding protein is vital to testis development and spermatogenesis in mice. <i>Reproduction</i> , 2018, 156, 59-69.	1.1	25
10	Myotubularin related protein 7 is essential for the spermatogonial stem cell homeostasis via PI3K/AKT signaling. <i>Cell Cycle</i> , 2019, 18, 2800-2813.	1.3	24
11	Quantitative Proteomics Reveals the Essential Roles of Stromal Interaction Molecule 1 (STIM1) in the Testicular Cord Formation in Mouse Testis. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2682-2691.	2.5	23
12	Deficiency of <i>Mkrn2</i> causes abnormal spermiogenesis and spermiation, and impairs male fertility. <i>Scientific Reports</i> , 2016, 6, 39318.	1.6	21
13	<i>BMI1</i> promotes steroidogenesis through maintaining redox homeostasis in mouse MLTC-1 and primary Leydig cells. <i>Cell Cycle</i> , 2020, 19, 1884-1898.	1.3	21
14	Strawberry Notch 1 (SBNO1) promotes proliferation of spermatogonial stem cells via the noncanonical Wnt pathway in mice. <i>Asian Journal of Andrology</i> , 2019, 21, 345.	0.8	21
15	ADP-ribosylation factor-like 3, a manchette-associated protein, is essential for mouse spermiogenesis. <i>Molecular Human Reproduction</i> , 2013, 19, 327-335.	1.3	20
16	Biochemical clinical factors associated with missed abortion independent of maternal age. <i>Medicine (United States)</i> , 2018, 97, e13573.	0.4	20
17	<i>BMI1</i> Drives Steroidogenesis Through Epigenetically Repressing the p38 MAPK Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 665089.	1.8	18
18	<i>Srlp</i> is crucial for the self-renewal and differentiation of germline stem cells via Rpl6 signals in <i>Drosophila</i> testes. <i>Cell Death and Disease</i> , 2019, 10, 294.	2.7	17

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19	Retinoic Acid Induced Protein 14 ( <i>Rai14</i> ) is dispensable for mouse spermatogenesis. <i>PeerJ</i> , 2021, 9, e10847.	0.9	16
20	Small ribonucleoprotein particle protein Smd3 governs the homeostasis of germline stem cells and the crosstalk between the spliceosome and ribosome signals in <i>Drosophila</i> . <i>FASEB Journal</i> , 2019, 33, 8125-8137.	0.2	14
21	RpS13 controls the homeostasis of germline stem cell niche through Rho1-mediated signals in the <i>Drosophila</i> testis. <i>Cell Proliferation</i> , 2020, 53, e12899.	2.4	14
22	BMI1 promotes spermatogonia proliferation through epigenetic repression of Ptpm. <i>Biochemical and Biophysical Research Communications</i> , 2021, 583, 169-177.	1.0	14
23	BMI1 promotes osteosarcoma proliferation and metastasis by repressing the transcription of SIK1. <i>Cancer Cell International</i> , 2022, 22, 136.	1.8	14
24	LINC00624/TEX10/NF- $\kappa$ B axis promotes proliferation and migration of human prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2022, 601, 1-8.	1.0	14
25	CFAP43-mediated intra-manchette transport is required for sperm head shaping and flagella formation. <i>Zygote</i> , 2021, 29, 75-81.	0.5	13
26	Flotillin-2 is an acrosome-related protein involved in mouse spermiogenesis. <i>Journal of Biomedical Research</i> , 2012, 26, 278-87.	0.7	12
27	Transferrin receptor (TFRC) is essential for meiotic progression during mouse spermatogenesis. <i>Zygote</i> , 2021, 29, 169-175.	0.5	11
28	Unraveling the proteomic profile of mice testis during the initiation of meiosis. <i>Journal of Proteomics</i> , 2015, 120, 35-43.	1.2	10
29	Stromal interaction molecule 1 is required for neonatal testicular development in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 909-915.	1.0	10
30	Precursor RNA processing 3 is required for male fertility, and germline stem cell self-renewal and differentiation via regulating spliceosome function in <i>Drosophila</i> testes. <i>Scientific Reports</i> , 2019, 9, 9988.	1.6	10
31	ATP synthase is required for male fertility and germ cell maturation in <i>Drosophila</i> testes. <i>Molecular Medicine Reports</i> , 2019, 19, 1561-1570.	1.1	10
32	Somatic CG6015 mediates cyst stem cell maintenance and germline stem cell differentiation via EGFR signaling in <i>Drosophila</i> testes. <i>Cell Death Discovery</i> , 2021, 7, 68.	2.0	9
33	BMI1 promotes spermatogonial stem cell maintenance by epigenetically repressing Wnt10b/ $\beta$ -catenin signaling. <i>International Journal of Biological Sciences</i> , 2022, 18, 2807-2820.	2.6	9
34	CG6015 controls spermatogonia transit-amplifying divisions by epidermal growth factor receptor signaling in <i>Drosophila</i> testes. <i>Cell Death and Disease</i> , 2021, 12, 491.	2.7	8
35	The plasminogen receptor directs maintenance of spermatogonial stem cells by targeting BMI1. <i>Molecular Biology Reports</i> , 2022, 49, 4469-4478.	1.0	8
36	A Comparative Proteome Profile of Female Mouse Gonads Suggests a Tight Link between the Electron Transport Chain and Meiosis Initiation. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 31-42.	2.5	7

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37	Systematic re-analysis strategy of serum indices identifies alkaline phosphatase as a potential predictive factor for cervical cancer. <i>Oncology Letters</i> , 2019, 18, 2356-2365.	0.8	7
38	INTS7-ABCD3 Interaction Stimulates the Proliferation and Osteoblastic Differentiation of Mouse Bone Marrow Mesenchymal Stem Cells by Suppressing Oxidative Stress. <i>Frontiers in Physiology</i> , 2021, 12, 758607.	1.3	7
39	SAT2 regulates Sertoli cell-germline interactions via STIM1-mediated ROS/WNT/ $\beta$ -catenin signaling pathway. <i>Cell Biology International</i> , 2022, 46, 1704-1713.	1.4	6
40	MRNIP is essential for meiotic progression and spermatogenesis in mice. <i>Biochemical and Biophysical Research Communications</i> , 2021, 550, 127-133.	1.0	5
41	E3 ubiquitin ligase ASB17 is required for spermiation in mice. <i>Translational Andrology and Urology</i> , 2021, 10, 4320-4332.	0.6	5
42	Importance of a semen analysis report for determining the relationship between SCSA sperm DNA fragmentation index and assisted reproductive technology pregnancy rate. <i>Reproductive Biology</i> , 2020, 20, 460-464.	0.9	4
43	SYMPK Is Required for Meiosis and Involved in Alternative Splicing in Male Germ Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 715733.	1.8	4
44	Testis-enriched Asb12 is not required for spermatogenesis and fertility in mice. <i>Translational Andrology and Urology</i> , 2022, 11, 168-178.	0.6	3
45	Long non-coding RNA <i>DEPDC1-AS1</i> promotes proliferation and migration of human gastric cancer cells HGC-27 via the human antigen R-F11R pathway. <i>Journal of International Medical Research</i> , 2022, 50, 030006052210931.	0.4	3
46	Quantitative proteomics and functional analysis identified novel targets for missed abortion. <i>Experimental Cell Research</i> , 2022, 417, 113216.	1.2	2
47	Correlation between NM23 protein overexpression and prognostic value and clinicopathologic features of ovarian cancer: a meta-analysis. <i>Archives of Gynecology and Obstetrics</i> , 2018, 297, 449-458.	0.8	1
48	Genetic analysis and intracytoplasmic sperm injection outcomes of Chinese patients with congenital bilateral absence of vas deferens. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 719-728.	1.2	1
49	Syntaxin binding protein 2 in sertoli cells regulates spermatogonial stem cell maintenance through directly interacting with connexin 43 in the testes of neonatal mice. <i>Molecular Biology Reports</i> , 2022, 49, 7557-7566.	1.0	1
50	PD35-10 IN-DEPTH PROTEOMICS ANALYSIS FOR PROSTATE CANCER REVEALS SIMILARITY BETWEEN TUMOR AND SPERMATOGENESIS. <i>Journal of Urology</i> , 2016, 195, .	0.2	0
51	BMI1 Drives Steroidogenesis Through Epigenetically Repressing the p38 MAPK Pathway. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0