## Zheng Li

## List of Publications by Year in descending order

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121 papers	2,856 citations	27 h-index	233338 45 g-index
134	134	134	3346
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Biallelic Mutations in CFAP43 and CFAP44 Cause Male Infertility with Multiple Morphological Abnormalities of the Sperm Flagella. American Journal of Human Genetics, 2017, 100, 854-864.	2.6	220
2	Mutations of MSH5 in nonobstructive azoospermia (NOA) and rescued via in vivo gene editing. Signal Transduction and Targeted Therapy, 2022, 7, 1.	7.1	193
3	The roles and regulation of Sertoli cells in fate determinations of spermatogonial stem cells and spermatogenesis. Seminars in Cell and Developmental Biology, 2014, 29, 66-75.	2.3	161
4	Single-cell analysis of developing and azoospermia human testicles reveals central role of Sertoli cells. Nature Communications, 2020, 11, 5683.	5.8	109
5	Generation of Haploid Spermatids with Fertilization and Development Capacity from Human Spermatogonial Stem Cells of Cryptorchid Patients. Stem Cell Reports, 2014, 3, 663-675.	2.3	82
6	Fractionation of human spermatogenic cells using STA-PUT gravity sedimentation and their miRNA profiling. Scientific Reports, 2015, 5, 8084.	1.6	77
7	Acetylproteomic Analysis Reveals Functional Implications of Lysine Acetylation in Human Spermatozoa (sperm). Molecular and Cellular Proteomics, 2015, 14, 1009-1023.	2.5	70
8	Association analysis identifies new risk loci for non-obstructive azoospermia in Chinese men. Nature Communications, 2014, 5, 3857.	5.8	64
9	MiRNA-133b promotes the proliferation of human Sertoli cells through targeting GLI3. Oncotarget, 2016, 7, 2201-2219.	0.8	64
10	Efficient generation of functional haploid spermatids from human germline stem cells by three-dimensional-induced system. Cell Death and Differentiation, 2018, 25, 749-766.	5.0	59
11	InÂVitro Modeling of Human Germ Cell Development Using Pluripotent Stem Cells. Stem Cell Reports, 2018, 10, 509-523.	2.3	57
12	Dynamics of the Transcriptome during Human Spermatogenesis: Predicting the Potential Key Genes Regulating Male Gametes Generation. Scientific Reports, 2016, 6, 19069.	1.6	54
13	miR-202-3p Regulates Sertoli Cell Proliferation, Synthesis Function, and Apoptosis by Targeting LRP6 and Cyclin D1 of Wnt/ $\hat{l}^2$ -Catenin Signaling. Molecular Therapy - Nucleic Acids, 2019, 14, 1-19.	2.3	54
14	Risk of Major Gastrointestinal Bleeding With New vs Conventional Oral Anticoagulants: A Systematic Review and Meta-analysis. Clinical Gastroenterology and Hepatology, 2020, 18, 792-799.e61.	2.4	54
15	Expansion and long-term culture of human spermatogonial stem cells via the activation of SMAD3 and AKT pathways. Experimental Biology and Medicine, 2015, 240, 1112-1122.	1.1	48
16	Fertility outcome of patients with testicular tumor: before and after treatment. Asian Journal of Andrology, 2014, 16, 107.	0.8	45
17	Establishment and Characterization of Human Germline Stem Cell Line with Unlimited Proliferation Potentials and no Tumor Formation. Scientific Reports, 2015, 5, 16922.	1.6	44
18	Distinct Expression Profiles and Novel Targets of MicroRNAs in Human Spermatogonia, Pachytene Spermatocytes, and Round Spermatids between OA Patients and NOA Patients. Molecular Therapy - Nucleic Acids, 2017, 9, 182-194.	2.3	44

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19	"Micro-deletions―of the human Y chromosome and their relationship with male infertility. Journal of Genetics and Genomics, 2008, 35, 193-199.	1.7	43
20	Induction of Sertoli-like cells from human fibroblasts by NR5A1 and GATA4. ELife, 2019, 8, .	2.8	40
21	PAK1 Promotes the Proliferation and Inhibits Apoptosis of Human Spermatogonial Stem Cells via PDK1/KDR/ZNF367 and ERK1/2 and AKT Pathways. Molecular Therapy - Nucleic Acids, 2018, 12, 769-786.	2.3	39
22	Generation of male differentiated germ cells from various types of stem cells. Reproduction, 2014, 147, R179-R188.	1.1	37
23	VEGFC/VEGFR3 Signaling Regulates Mouse Spermatogonial Cell Proliferation via the Activation of AKT/MAPK and Cyclin D1 Pathway and Mediates the Apoptosis by affecting Caspase 3/9 and Bcl-2. Cell Cycle, 2018, 17, 225-239.	1.3	35
24	BMP6 Regulates Proliferation and Apoptosis of Human Sertoli Cells Via Smad2/3 and Cyclin D1 Pathway and DACH1 and TFAP2A Activation. Scientific Reports, 2017, 7, 45298.	1.6	33
25	Real-World Prevalence of Direct Oral Anticoagulant Off-Label Doses in Atrial Fibrillation: An Epidemiological Meta-Analysis. Frontiers in Pharmacology, 2021, 12, 581293.	1.6	31
26	A Screen for Genomic Disorders of Infertility Identifies MAST2 Duplications Associated with Nonobstructive Azoospermia in Humans1. Biology of Reproduction, 2015, 93, 61.	1.2	30
27	A novel individualized substrate modification approach for the treatment of long-standing persistent atrial fibrillation: Preliminary results. International Journal of Cardiology, 2014, 175, 162-168.	0.8	29
28	Fibroblast growth factor-5 promotes spermatogonial stem cell proliferation via ERK and AKT activation. Stem Cell Research and Therapy, 2019, 10, 40.	2.4	28
29	miRNA-122-5p stimulates the proliferation and DNA synthesis and inhibits the early apoptosis of human spermatogonial stem cells by targeting CBL and competing with lncRNA CASC7. Aging, 2020, 12, 25528-25546.	1.4	28
30	Efficient Conversion of Spermatogonial Stem Cells to Phenotypic and Functional Dopaminergic Neurons via the PI3K/Akt and P21/Smurf2/Nolz1 Pathway. Molecular Neurobiology, 2015, 52, 1654-1669.	1.9	27
31	Long-term culture and significant expansion of human Sertoli cells whilst maintaining stable global phenotype and AKT and SMAD1/5 activation. Cell Communication and Signaling, 2015, 13, 20.	2.7	27
32	MiR-663a Stimulates Proliferation and Suppresses Early Apoptosis of Human Spermatogonial Stem Cells by Targeting NFIX and Regulating Cell Cycle. Molecular Therapy - Nucleic Acids, 2018, 12, 319-336.	2.3	27
33	Seminal plasma miR-192a: a biomarker predicting successful resolution of nonobstructive azoospermia following varicocele repair. Asian Journal of Andrology, 2018, 20, 396.	0.8	26
34	Clinical application of aromatase inhibitors to treat male infertility. Human Reproduction Update, 2021, 28, 30-50.	5.2	26
35	BMP4 promotes human Sertoli cell proliferation via Smad $1/5$ and ID $2/3$ pathway and its abnormality is associated with azoospermia. Discovery Medicine, 2015, 19, 311-25.	0.5	25
36	Nodal Promotes the Self-Renewal of Human Colon Cancer Stem Cells via an Autocrine Manner through Smad2/3 Signaling Pathway. BioMed Research International, 2014, 2014, 1-11.	0.9	24

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37	Low voltage areas in paroxysmal atrial fibrillation: The prevalence, risk factors and impact on the effectiveness of catheter ablation. International Journal of Cardiology, 2018, 269, 139-144.	0.8	23
38	Generation of functional hepatocytes from human spermatogonial stem cells. Oncotarget, 2016, 7, 8879-8895.	0.8	23
39	Raman spectroscopy as an exÂvivo noninvasive approach to distinguish complete and incomplete spermatogenesis within human seminiferous tubules. Fertility and Sterility, 2014, 102, 54-60.e2.	0.5	22
40	MicroRNA expression signatures of atrial fibrillation: The critical systematic review and bioinformatics analysis. Experimental Biology and Medicine, 2020, 245, 42-53.	1,1	22
41	A novel micro-straw for cryopreservation of small number of human spermatozoon. Asian Journal of Andrology, 2017, 19, 326.	0.8	22
42	Frame counting improves the assessment of post-reperfusion microvascular patency by TIMI myocardial perfusion grade: Evidence from cardiac magnetic resonance imaging. International Journal of Cardiology, 2016, 203, 360-366.	0.8	20
43	BMP4 promotes mouse iPS cell differentiation to male germ cells via Smad1/5, Gata4, Id1 and Id2. Reproduction, 2017, 153, 211-220.	1.1	20
44	Bi-allelic SHOC1 loss-of-function mutations cause meiotic arrest and non-obstructive azoospermia. Journal of Medical Genetics, 2020, 58, jmedgenet-2020-107042.	1.5	20
45	Low-intensity pulsed ultrasound stimulates proliferation of stem/progenitor cells: what we need to know to translate basic science research into clinical applications. Asian Journal of Andrology, 2021, 23, 602.	0.8	20
46	Mesenchymal stem cells overexpressing Ihh promote bone repair. Journal of Orthopaedic Surgery and Research, 2014, 9, 102.	0.9	19
47	The CFTR M470V, Intron 8 Poly-T, and 8 TG-Repeats Detection in Chinese Males with Congenital Bilateral Absence of the Vas Deferens. BioMed Research International, 2014, 2014, 1-7.	0.9	17
48	The impact of age, BMI and sex hormone on aging males' symptoms and the international index of erectile function scores. Aging Male, 2017, 20, 235-240.	0.9	17
49	Endothelial Nitric Oxide Synthase (eNOS) T-786C, 4a4b, and G894T Polymorphisms and Male Infertility: Study for Idiopathic Asthenozoospermia and Meta-Analysis1. Biology of Reproduction, 2015, 92, 38.	1.2	16
50	Decreased Expression of KIFC1 in Human Testes with Globozoospermic Defects. Genes, 2016, 7, 75.	1.0	16
51	Early plasma exchange for treating ricin toxicity in children after castor bean ingestion. Journal of Clinical Apheresis, 2015, 30, 141-146.	0.7	15
52	Circulating primary bile acid is correlated with structural remodeling in atrial fibrillation. Journal of Interventional Cardiac Electrophysiology, 2020, 57, 371-377.	0.6	15
53	Incidence of myocardial injury in coronavirus disease 2019 (COVID-19): a pooled analysis of 7,679 patients from 53 studies. Cardiovascular Diagnosis and Therapy, 2020, 10, 667-677.	0.7	15
54	Apurinic endonuclease 1 promotes the cisplatin resistance of lung cancer cells by inducing Parkin†mediated mitophagy. Oncology Reports, 2019, 42, 2245-2254.	1.2	15

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55	Transcriptome research on spermatogenic molecular drive in mammals. Asian Journal of Andrology, 2015, 17, 961.	0.8	15
56	Variations of <i>C14ORF39</i> and <i>SYCE1</i> Identified in Idiopathic Premature Ovarian Insufficiency and Nonobstructive Azoospermia. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 724-734.	1.8	15
57	Novel mutation in ODF2 causes multiple morphological abnormalities of the sperm flagella in an infertile male. Asian Journal of Andrology, 2022, 24, 463.	0.8	15
58	RNAâ€binding protein ELAVL2 plays postâ€transcriptional roles in the regulation of spermatogonia proliferation and apoptosis. Cell Proliferation, 2021, 54, e13098.	2.4	14
59	Transdifferentiation of human male germline stem cells to hepatocytes <i>in vivo</i> via the transplantation under renal capsules. Oncotarget, 2017, 8, 14576-14592.	0.8	14
60	Electrophysiological features and catheter ablation of symptomatic frequent premature atrial contractions. Europace, 2017, 19, 1535-1541.	0.7	13
61	Novel application of quantitative flow ratio for predicting microvascular dysfunction after STâ€segmentâ€elevation myocardial infarction. Catheterization and Cardiovascular Interventions, 2020, 95, 624-632.	0.7	13
62	Derivation and propagation of spermatogonial stem cells from human pluripotent cells. Stem Cell Research and Therapy, 2020, 11, 408.	2.4	13
63	Low-frequency germline variants across 6p22.2–6p21.33 are associated with non-obstructive azoospermia in Han Chinese men. Human Molecular Genetics, 2015, 24, 5628-5636.	1.4	12
64	Rationale and design of a prospective multi-center randomized trial of EARLY treatment by rivaroxaban versus warfarin in ST-segment elevation MYOcardial infarction with Left Ventricular Thrombus (EARLY-MYO-LVT trial). Annals of Translational Medicine, 2020, 8, 392-392.	0.7	12
65	Direct versus conventional anticoagulants for treatment of cancer associated thrombosis: a pooled and interaction analysis between observational studies and randomized clinical trials. Annals of Translational Medicine, 2020, 8, 95-95.	0.7	12
66	Generation and characteristics of human Sertoli cell line immortalized by overexpression of human telomerase. Oncotarget, 2017, 8, 16553-16570.	0.8	12
67	Point mutations in KAL1 and the mitochondrial gene MT-tRNAcys synergize to produce Kallmann syndrome phenotype. Scientific Reports, 2015, 5, 13050.	1.6	11
68	NODAL secreted by male germ cells regulates the proliferation and function of human Sertoli cells from obstructive azoospermia and nonobstructive azoospermia patients. Asian Journal of Andrology, 2015, 17, 996.	0.8	11
69	Study of the Ultrasound Appearance of the Normal Parathyroid Using an Intraoperative Procedure. Journal of Ultrasound in Medicine, 2019, 38, 321-327.	0.8	11
70	Novel bi-allelic MSH4 variants causes meiotic arrest and non-obstructive azoospermia. Reproductive Biology and Endocrinology, 2022, 20, 21.	1.4	11
71	MOV10L1 in piRNA processing and gene silencing of retrotransposons during spermatogenesis. Reproduction, 2015, 149, R229-R235.	1.1	10
72	Impact of Intramyocardial Hemorrhage and Microvascular Obstruction on Cardiac Mechanics in Reperfusion Injury: A Speckle-Tracking Echocardiographic Study. Journal of the American Society of Echocardiography, 2016, 29, 973-982.	1.2	10

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73	Assessment of left atrial remodeling in paroxysmal atrial fibrillation with speckle tracking echocardiography: a study with an electrophysiological mapping system. International Journal of Cardiovascular Imaging, 2019, 35, 451-459.	0.7	10
74	Initial anticoagulation experience with standard-dose rivaroxaban after Watchman left atrial appendage occlusion. Annals of Translational Medicine, 2020, 8, 105-105.	0.7	10
75	Transverse testicular ectopia associated with persistent Mullerian duct syndrome in infertile male: two case reports and literature review. Translational Andrology and Urology, 2021, 10, 512-519.	0.6	10
76	FOXP3 pathogenic variants cause male infertility through affecting the proliferation and apoptosis of human spermatogonial stem cells. Aging, 2019, 11, 12581-12599.	1.4	10
77	Application of Raman spectroscopy in Andrology: non-invasive analysis of tissue and single cell. Translational Andrology and Urology, 2014, 3, 125-33.	0.6	10
78	Update on techniques for cryopreservation of human spermatozoa. Asian Journal of Andrology, 2022, 24, 563.	0.8	10
79	Comparative analysis of human sperm glycocalyx from different freezability ejaculates by lectin microarray and identification of ABA as sperm freezability biomarker. Clinical Proteomics, 2018, 15, 19.	1.1	9
80	Assessment of the use of contrast enhanced ultrasound in guiding microdissection testicular sperm extraction in nonobstructive azoospermia. BMC Urology, 2018, 18, 48.	0.6	9
81	Modified stepwise mini-incision microdissection testicular sperm extraction: a useful technique for patients with a history of orchidopexy affected by non-obstructive azoospermia. Journal of Zhejiang University: Science B, 2020, 21, 87-92.	1.3	9
82	Estradiol is an independent risk factor for organic erectile dysfunction in eugonadal young men. Asian Journal of Andrology, 2020, 22, 636.	0.8	9
83	Novel noninvasive quantification of penile corpus cavernosum lesions in hyperlipidemia-induced erectile dysfunction in rabbits by two-dimensional shear-wave elastography. Asian Journal of Andrology, 2019, 21, 143.	0.8	9
84	Novel Bi-Allelic Variants of FANCM Cause Sertoli Cell-Only Syndrome and Non-Obstructive Azoospermia. Frontiers in Genetics, 2021, 12, 799886.	1.1	9
85	Association of a TDRD1 variant with spermatogenic failure susceptibility in the Han Chinese. Journal of Assisted Reproduction and Genetics, 2016, 33, 1099-1104.	1.2	8
86	Comparison of direct stenting with conventional strategy on myocardial impairments in ST-segment elevation myocardial infarction: a cardiac magnetic resonance imaging study. International Journal of Cardiovascular Imaging, 2020, 36, 1167-1175.	0.7	7
87	Clinical benefit for cryopreservation of single human spermatozoa for ICSI: A systematic review and metaâ€analysis. Andrology, 2022, 10, 82-91.	1.9	7
88	Direct reprogramming of human Sertoli cells into male germline stem cells with the self-renewal and differentiation potentials via overexpressing DAZL/DAZ2/BOULE genes. Stem Cell Reports, 2021, 16, 2798-2812.	2.3	7
89	Feasibility and usability of a mobile health tool on anticoagulation management for patients with atrial fibrillation: a pilot study. European Journal of Clinical Pharmacology, 2022, 78, 293-304.	0.8	7
90	Biâ€allelic <scp> <i>SPATA22</i> </scp> variants cause premature ovarian insufficiency and nonobstructive azoospermia due to meiotic arrest. Clinical Genetics, 2022, , .	1.0	7

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91	Beneficial effect of tamsulosin combined with dapoxetine in management of type III prostatitis with premature ejaculation. Andrologia, 2019, 51, e13319.	1.0	6
92	Whole exome sequencing and trio analysis to broaden the variant spectrum of genes in idiopathic hypogonadotropic hypogonadism. Asian Journal of Andrology, 2021, 23, 288.	0.8	5
93	Microsurgical subinguinal varicocelectomy with spermatic cord double traction and vein stripping. Asian Journal of Andrology, 2020, 22, 208.	0.8	5
94	Massive Brain Swelling after Cranioplasty: A Case Report. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2019, 80, 498-502.	0.4	4
95	Seminiferous tubule molecular imaging for evaluation of male fertility: Seeing is believing. Tissue and Cell, 2019, 58, 24-32.	1.0	4
96	A modified single-armed microsurgical vasoepididymostomy for epididymal obstructive azoospermia: intraoperative choice and postoperative consideration. BMC Urology, 2020, 20, 121.	0.6	4
97	Association of hypogonadism symptoms and serum hormones in aging males. Andrologia, 2021, 53, e14013.	1.0	4
98	A nonobstructive azoospermic patient with Trichomonas vaginalis infection in testes. Asian Journal of Andrology, 2018, 20, 97.	0.8	4
99	Novel bi-allelic variants in <i>KASH5</i> are associated with meiotic arrest and non-obstructive azoospermia. Molecular Human Reproduction, 2022, 28, .	1.3	4
100	Mitral isthmus block is associated with favorable outcomes after reablation for longâ€standing persistent atrial fibrillation. Clinical Cardiology, 2020, 43, 1119-1125.	0.7	3
101	Cryopiece, a novel carrier with faster cooling rate, high recovery rate and retrieval rate, for individual sperm cryopreservation. Translational Andrology and Urology, 2021, 10, 1121-1132.	0.6	3
102	A novel approach: successful management of vasectomy reversal with a three-dimensional digital image microscope system. Asian Journal of Andrology, 2021, 23, 118.	0.8	3
103	A Novel Method in the Stratification of Post-Myocardial-Infarction Patients Based on Pathophysiology. PLoS ONE, 2015, 10, e0130158.	1.1	3
104	Macro-reentrant atrial tachycardia after tricuspid or mitral valve surgery: is there difference in electrophysiological characteristics and effectiveness of catheter ablation?. BMC Cardiovascular Disorders, 2021, 21, 538.	0.7	3
105	Clinical benefits of a modified Cryopiece system for cryopreservation of rare ejaculated and testicular spermatozoa for ICSI. Asian Journal of Andrology, 2022, .	0.8	3
106	Vitrification with microinjection of single seminiferous tubules: an efficient cryopreservation approach for limited testicular tissue. Reproductive BioMedicine Online, 2021, 43, 687-699.	1.1	2
107	A de novo frameshift mutation of the SRY gene leading to a patient with 46,XY complete gonadal dysgenesis. Asian Journal of Andrology, 2019, 21, 522.	0.8	2
108	Interferon- $\hat{l}_{\pm}$ adjuvant therapy decreases the recurrence of early clear cell renal cell carcinoma and improves the prognosis of Chinese patients. Oncotarget, 2017, 8, 113185-113193.	0.8	2

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109	Multiâ€stage screening cellâ€free seminal mRNAs to diagnose completion of meiosis and predict testicular sperm retrieval in men with nonâ€obstructive azoospermia. Andrology, 2022, 10, 749-757.	1.9	2
110	An unusual atrioventricular accessory pathway with an oblique course. HeartRhythm Case Reports, 2015, 1, 411-415.	0.2	1
111	An abnormal structure of the left ventricle. Heart, 2018, 104, 182-182.	1.2	1
112	Effect of Kallikrein-related Peptidase KLK1 on Ameliorating Spermatogenesis Regeneration in Busulfan-induced Azoospermic Mice and Promoting Mouse Spermatogonial Stem Cell Proliferation In Vitro. Urology, 2018, 122, 89-96.	0.5	1
113	Serum sex hormone-binding globulin is associated with symptomatic late-onset hypogonadism in aging rural males: a community-based study. Sexual Health, 2021, 18, 156-161.	0.4	1
114	3D digital image microscope system-assisted vasovasostomy and vasoepididymostomy in rats. Asian Journal of Andrology, 2021, 23, 396.	0.8	1
115	Same total normal forms sperm counts of males from Lhasa and Shanghai, China. Environmental Science and Pollution Research, 2022, 29, 18820-18831.	2.7	1
116	Study on cryopreservation of mouse single seminiferous tubule. Cryobiology, 2022, 104, 42-46.	0.3	1
117	Successful microsurgical vasoepididymostomy for a case of cryptozoospermia. Asian Journal of Andrology, 2022, .	0.8	1
118	Clinical features and microsurgical reconstruction of congenital unilateral absence of the vas deferens with obstructive azoospermia: a tertiary care center experience. Asian Journal of Andrology, 2023, 25, 73.	0.8	1
119	Re-ablation of paroxysmal AF secondary to persistent AF ablation. International Journal of Cardiology, 2016, 223, 11-12.	0.8	0
120	Preliminary experience with 3D digital image microscope system on the treatment of varicocele. Andrologia, 2022, , e14423.	1.0	0
121	A Systemic Mapping Approach for Right and Left Parahisian Ventricular Arrhythmias Ablation. Frontiers in Cardiovascular Medicine, 2022, 9, 844320.	1.1	O