

C Yan Cheng

List of Publications by Year in descending order

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394
papers

22,736
citations

5574

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15732

125
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403
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docs citations

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times ranked

10841
citing authors

#	ARTICLE	IF	CITATIONS
1	Sertoli-Sertoli and Sertoli-Germ Cell Interactions and Their Significance in Germ Cell Movement in the Seminiferous Epithelium during Spermatogenesis. <i>Endocrine Reviews</i> , 2004, 25, 747-806.	20.1	746
2	The Blood-Testis Barrier and Its Implications for Male Contraception. <i>Pharmacological Reviews</i> , 2012, 64, 16-64.	16.0	673
3	Cell Junction Dynamics in the Testis: Sertoli-Germ Cell Interactions and Male Contraceptive Development. <i>Physiological Reviews</i> , 2002, 82, 825-874.	28.8	515
4	The Mammalian Blood-Testis Barrier: Its Biology and Regulation. <i>Endocrine Reviews</i> , 2015, 36, 564-591.	20.1	409
5	Cadmium-induced testicular injury. <i>Toxicology and Applied Pharmacology</i> , 2009, 238, 240-249.	2.8	369
6	Antioxidant superoxide dismutase - a review: its function, regulation in the testis, and role in male fertility. <i>Contraception</i> , 2002, 65, 305-311.	1.5	238
7	A local autocrine axis in the testes that regulates spermatogenesis. <i>Nature Reviews Endocrinology</i> , 2010, 6, 380-395.	9.6	232
8	Regulation of blood-testis barrier dynamics: an in vivo study. <i>Journal of Cell Science</i> , 2004, 117, 783-798.	2.0	230
9	Blood-testis barrier dynamics are regulated by testosterone and cytokines via their differential effects on the kinetics of protein endocytosis and recycling in Sertoli cells. <i>FASEB Journal</i> , 2008, 22, 1945-1959.	0.5	222
10	The Interplay of Collagen IV, Tumor Necrosis Factor- α , Gelatinase B (Matrix Metalloprotease-9), and Tissue Inhibitor of Metalloproteases-1 in the Basal Lamina Regulates Sertoli Cell-Tight Junction Dynamics in the Rat Testis. <i>Endocrinology</i> , 2003, 144, 371-387.	2.8	213
11	Enhanced chemiluminescence (ECL) for routine immunoblotting. <i>Spermatogenesis</i> , 2011, 1, 121-122.	0.8	212
12	Impacts of environmental toxicants on male reproductive dysfunction. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 290-299.	8.7	203
13	Is Cadmium Chloride-Induced Inter-Sertoli Tight Junction Permeability Barrier Disruption a Suitable in Vitro Model to Study the Events of Junction Disassembly during Spermatogenesis in the Rat Testis?*. <i>Endocrinology</i> , 2001, 142, 1878-1888.	2.8	188
14	Dynamic cross-talk between cells and the extracellular matrix in the testis. <i>BioEssays</i> , 2004, 26, 978-992.	2.5	182
15	TGF- β 3 Regulates the Blood-Testis Barrier Dynamics via the p38 Mitogen Activated Protein (MAP) Kinase Pathway: An in Vivo Study. <i>Endocrinology</i> , 2003, 144, 1139-1142.	2.8	181
16	Tumor necrosis factor α reversibly disrupts the blood-testis barrier and impairs Sertoli-germ cell adhesion in the seminiferous epithelium of adult rat testes. <i>Journal of Endocrinology</i> , 2006, 190, 313-329.	2.6	181
17	The Blood-Testis Barrier: Its Biology, Regulation, and Physiological Role in Spermatogenesis. <i>Current Topics in Developmental Biology</i> , 2005, 71, 263-296.	2.2	180
18	Transforming Growth Factor- β 3 Perturbs the Inter-Sertoli Tight Junction Permeability Barrier in Vitro Possibly Mediated via Its Effects on Occludin, Zonula Occludens-1, and Claudin-11. <i>Endocrinology</i> , 2001, 142, 1865-1877.	2.8	179

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19	Adhering Junction Dynamics in the Testis Are Regulated by an Interplay of α 21-Integrin and Focal Adhesion Complex-Associated Proteins. <i>Endocrinology</i> , 2003, 144, 2141-2163.	2.8	178
20	Disruption of the blood-testis barrier integrity by bisphenol A in vitro: Is this a suitable model for studying blood-testis barrier dynamics?. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2302-2314.	2.8	178
21	Sertoli-Germ Cell Anchoring Junction Dynamics in the Testis Are Regulated by an Interplay of Lipid and Protein Kinases. <i>Journal of Biological Chemistry</i> , 2005, 280, 25029-25047.	3.4	174
22	Interactions of Proteases, Protease Inhibitors, and the α 21 Integrin/Laminin α 3 Protein Complex in the Regulation of Ectoplasmic Specialization Dynamics in the Rat Testis1. <i>Biology of Reproduction</i> , 2004, 70, 945-964.	2.7	171
23	Biology and regulation of ectoplasmic specialization, an atypical adherens junction type, in the testis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 692-708.	2.6	171
24	Disruption of <i>Mtmr2</i> produces CMT4B1-like neuropathy with myelin outfoldings and impaired spermatogenesis. <i>Journal of Cell Biology</i> , 2004, 167, 711-721.	5.2	167
25	Sertoli Cell Tight Junction Dynamics: Their Regulation During Spermatogenesis1. <i>Biology of Reproduction</i> , 2003, 68, 1087-1097.	2.7	164
26	Regulation of spermatogenesis in the microenvironment of the seminiferous epithelium: New insights and advances. <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 49-56.	3.2	158
27	Transforming Growth Factor β 3 Regulates the Dynamics of Sertoli Cell Tight Junctions Via the p38 Mitogen-Activated Protein Kinase Pathway1. <i>Biology of Reproduction</i> , 2003, 68, 1597-1612.	2.7	157
28	Is the Cadherin/Catenin Complex a Functional Unit of Cell-Cell Actin-Based Adherens Junctions in the Rat Testis?1. <i>Biology of Reproduction</i> , 2003, 68, 489-508.	2.7	156
29	Two New Male Contraceptives Exert Their Effects by Depleting Germ Cells Prematurely from the Testis1. <i>Biology of Reproduction</i> , 2001, 65, 449-461.	2.7	154
30	TGF- β 3 and TNF α perturb blood-testis barrier (BTB) dynamics by accelerating the clathrin-mediated endocytosis of integral membrane proteins: A new concept of BTB regulation during spermatogenesis. <i>Developmental Biology</i> , 2009, 327, 48-61.	2.0	147
31	Epidermal growth factor receptor pathway substrate 8 (Eps8) is a novel regulator of cell adhesion and the blood-testis barrier integrity in the seminiferous epithelium. <i>FASEB Journal</i> , 2009, 23, 2555-2567.	0.5	145
32	Mitogen-activated protein kinases in male reproductive function. <i>Trends in Molecular Medicine</i> , 2009, 15, 159-168.	6.7	143
33	Connexin 43 is critical to maintain the homeostasis of the blood-testis barrier via its effects on tight junction reassembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17998-18003.	7.1	142
34	Anchoring Junctions As Drug Targets: Role in Contraceptive Development. <i>Pharmacological Reviews</i> , 2008, 60, 146-180.	16.0	140
35	AF-2364 [1-(2,4-dichlorobenzyl)-1H-indazole-3-carbohydrazide] is a potential male contraceptive: a review of recent data. <i>Contraception</i> , 2005, 72, 251-261.	1.5	139
36	Ectoplasmic specialization: a friend or a foe of spermatogenesis?. <i>BioEssays</i> , 2007, 29, 36-48.	2.5	139

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37	Restricted Arp3 expression in the testis prevents bloodâ€testis barrier disruption during junction restructuring at spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11411-11416.	7.1	138
38	The Warburg Effect Revisitedâ€Lesson from the Sertoli Cell. Medicinal Research Reviews, 2015, 35, 126-151.	10.5	137
39	Connexin 43 and plakophilin-2 as a protein complex that regulates bloodâ€testis barrier dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10213-10218.	7.1	133
40	An autocrine axis in the testis that coordinates spermiation and bloodâ€testis barrier restructuring during spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8950-8955.	7.1	132
41	Sertoliâ€germ cell junctions in the testis: a review of recent data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1593-1605.	4.0	132
42	Cellâ€cell interactions at the ectoplasmic specialization in the testis. Trends in Endocrinology and Metabolism, 2004, 15, 439-447.	7.1	130
43	Environmental toxicants and male reproductive function. Spermatogenesis, 2011, 1, 2-13.	0.8	127
44	Laminin Î± 3 Forms a Complex with Î²3 and Î³3 Chains That Serves as the Ligand for Î± 6Î²1-Integrin at the Apical Ectoplasmic Specialization in Adult Rat Testes. Journal of Biological Chemistry, 2006, 281, 17286-17303.	3.4	126
45	An In Vitro System to Study Sertoli Cell Blood-Testis Barrier Dynamics. Methods in Molecular Biology, 2011, 763, 237-252.	0.9	123
46	Regulation of Sertoli Cell Tight Junction Dynamics in the Rat Testis via the Nitric Oxide Synthase/Soluble Guanylate Cyclase/3â€5â€Cyclic Guanosine Monophosphate/Protein Kinase G Signaling Pathway: an in Vitro Study. Endocrinology, 2003, 144, 3114-3129.	2.8	121
47	Focal adhesion kinase is a bloodâ€testis barrier regulator. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9298-9303.	7.1	121
48	Ectoplasmic specialization, a testis-specific cell-cell actin-based adherens junction type: is this a potential target for male contraceptive development?. Human Reproduction Update, 2004, 10, 349-369.	10.8	120
49	A male contraceptive targeting germ cell adhesion. Nature Medicine, 2006, 12, 1323-1328.	30.7	120
50	Par3/Par6 polarity complex coordinates apical ectoplasmic specialization and bloodâ€testis barrier restructuring during spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9657-9662.	7.1	120
51	Cytoskeletal dynamics and spermatogenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1581-1592.	4.0	118
52	Mitogen-activated protein kinases, adherens junction dynamics, and spermatogenesis: A review of recent data. Developmental Biology, 2005, 286, 1-15.	2.0	116
53	An intracellular trafficking pathway in the seminiferous epithelium regulating spermatogenesis: a biochemical and molecular perspective. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 245-263.	5.2	115
54	Zyxin, Axin, and Wiskottâ€Aldrich Syndrome Protein Are Adaptors That Link the Cadherin/Catenin Protein Complex to the Cytoskeleton at Adherens Junctions in the Seminiferous Epithelium of the Rat Testis. Journal of Andrology, 2004, 25, 200-215.	2.0	114

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55	Identification of Hormonally Responsive Proteins in Primary Sertoli Cell Culture Medium by Anion-Exchange High Performance Liquid Chromatography [*] . Endocrinology, 1986, 118, 480-488.	2.8	113
56	Focal adhesion kinase-Tyr ⁴⁰⁷ and -Tyr ³⁹⁷ exhibit antagonistic effects on bloodâ€™testis barrier dynamics in the rat. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12562-12567.	7.1	113
57	A 22-Amino Acid Synthetic Peptide Corresponding to the Second Extracellular Loop of Rat Occludin Perturbs the Blood-Testis Barrier and Disrupts Spermatogenesis Reversibly In Vivo ¹ . Biology of Reproduction, 2001, 65, 1340-1351.	2.7	110
58	Reversible Inhibition of Spermatogenesis in Rats Using a New Male Contraceptive, 1-(2,4-Dichlorobenzyl)-Indazole-3-Carbohydrazide ¹ . Biology of Reproduction, 2001, 64, 1500-1508.	2.7	109
59	Characterization and Functionality of Proliferative Human Sertoli Cells. Cell Transplantation, 2011, 20, 619-635.	2.5	108
60	An Occludin-Focal Adhesion Kinase Protein Complex at the Blood-Testis Barrier: A Study Using the Cadmium Model. Endocrinology, 2009, 150, 3336-3344.	2.8	105
61	Perfluorooctanesulfonate (PFOS) Perturbs Male Rat Sertoli Cell Blood-Testis Barrier Function by Affecting F-Actin Organization via p-FAK-Tyr407: An in Vitro Study. Endocrinology, 2014, 155, 249-262.	2.8	103
62	Development, function and fate of fetal Leydig cells. Seminars in Cell and Developmental Biology, 2016, 59, 89-98.	5.0	103
63	Regulation of spermiogenesis, spermiation and bloodâ€™testis barrier dynamics: novel insights from studies on Eps8 and Arp3. Biochemical Journal, 2011, 435, 553-562.	3.7	102
64	Testin Secreted by Sertoli Cells Is Associated with the Cell Surface, and Its Expression Correlates with the Disruption of Sertoli-Germ Cell Junctions but Not the Inter-Sertoli Tight Junction. Journal of Biological Chemistry, 1998, 273, 21040-21053.	3.4	101
65	Blood-testis barrier dynamics are regulated by an engagement/disengagement mechanism between tight and adherens junctions via peripheral adaptors. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11722-11727.	7.1	101
66	Prostatic Ductal System in Rats: Regional Variation in Localization of an Androgen-Repressed Gene Product, Sulfated Glycoprotein-2 [*] . Endocrinology, 1991, 128, 2091-2102.	2.8	100
67	TGF-Î²s: their role in testicular function and Sertoli cell tight junction dynamics. Journal of Developmental and Physical Disabilities, 2003, 26, 147-160.	3.6	100
68	Differential Interactions between Transforming Growth Factor-Î²3/TÎ²R1, TAB1, and CD2AP Disrupt Blood-Testis Barrier and Sertoli-Germ Cell Adhesion. Journal of Biological Chemistry, 2006, 281, 16799-16813.	3.4	100
69	Sertoli-Germ Cell Adherens Junction Dynamics in the Testis Are Regulated by RhoB GTPase via the ROCK/LIMK Signaling Pathway ¹ . Biology of Reproduction, 2003, 68, 2189-2206.	2.7	99
70	Regulation of Ectoplasmic Specialization Dynamics in the Seminiferous Epithelium by Focal Adhesion-Associated Proteins in Testosterone-Suppressed Rat Testes. Endocrinology, 2005, 146, 1192-1204.	2.8	98
71	Rat clusterin isolated from primary sertoli cell-enriched culture medium is sulfated glycoprotein-2 (SGP-2). Biochemical and Biophysical Research Communications, 1988, 155, 398-404.	2.1	97
72	Claudin and occludin expression and function in the seminiferous epithelium. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1679-1696.	4.0	97

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73	TGF- β 3 regulates anchoring junction dynamics in the seminiferous epithelium of the rat testis via the Ras/ERK signaling pathway: An in vivo study. <i>Developmental Biology</i> , 2005, 280, 321-343.	2.0	94
74	Extracellular Matrix: Recent Advances on Its Role in Junction Dynamics in the Seminiferous Epithelium During Spermatogenesis1. <i>Biology of Reproduction</i> , 2004, 71, 375-391.	2.7	93
75	Crosstalk between Sertoli and Germ Cells in Male Fertility. <i>Trends in Molecular Medicine</i> , 2020, 26, 215-231.	6.7	93
76	Egress of sperm autoantigen from seminiferous tubules maintains systemic tolerance. <i>Journal of Clinical Investigation</i> , 2017, 127, 1046-1060.	8.2	93
77	Crosstalk between desmoglein-2/desmocollin-2/Src kinase and coxsackie and adenovirus receptor/ZO-1 protein complexes, regulates blood-testis barrier dynamics. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 975-986.	2.8	91
78	Nitric Oxide/Nitric Oxide Synthase, Spermatogenesis, and Tight Junction Dynamics1. <i>Biology of Reproduction</i> , 2004, 70, 267-276.	2.7	90
79	Structural analysis of clusterin and its subunits in ram rete testis fluid. <i>Biochemistry</i> , 1988, 27, 4079-4088.	2.5	89
80	Regulation of Sertoli-Germ Cell Adherens Junction Dynamics via Changes in Protein-Protein Interactions of the N-Cadherin- β 2-Catenin Protein Complex which Are Possibly Mediated by c-Src and Myotubularin-Related Protein 2: An in Vivo Study Using an Androgen Suppression Model. <i>Endocrinology</i> , 2005, 146, 1268-1284.	2.8	88
81	Fer Kinase/FerT and Adherens Junction Dynamics in the Testis: An In Vitro and In Vivo Study1. <i>Biology of Reproduction</i> , 2003, 69, 656-672.	2.7	87
82	Adjudin, a potential male contraceptive, exerts its effects locally in the seminiferous epithelium of mammalian testes. <i>Reproduction</i> , 2011, 141, 571-580.	2.6	87
83	Sertoli cell synthesizes and secretes a protease inhibitor, α 2-macroglobulin. <i>Biochemistry</i> , 1990, 29, 1063-1068.	2.5	86
84	Ability of trypsin in mimicking germ cell factors that affect Sertoli cell secretory function. , 1996, 168, 123-133.		86
85	Drug transporters, the blood-testis barrier and spermatogenesis. <i>Journal of Endocrinology</i> , 2011, 208, 207-23.	2.6	86
86	Cytokines and junction restructuring during spermatogenesisâ€”a lesson to learn from the testis. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 469-493.	7.2	84
87	Regulation of bloodâ€”testis barrier dynamics by TGF- β 3 is a Cdc42-dependent protein trafficking event. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11399-11404.	7.1	84
88	Cytokines and junction restructuring events during spermatogenesis in the testis: An emerging concept of regulation. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 329-338.	7.2	83
89	Testin Is Tightly Associated with Testicular Cell Membrane upon Its Secretion by Sertoli Cells whose Steady-state mRNA Level in the Testis Correlates with the Turnover and Integrity of Inter-testicular Cell Junctions. <i>Journal of Biological Chemistry</i> , 1997, 272, 6499-6509.	3.4	82
90	Interleukin 1 Alpha (IL1A) Is a Novel Regulator of the Blood-Testis Barrier in the Rat1. <i>Biology of Reproduction</i> , 2008, 78, 445-454.	2.7	82

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91	Emerging role for drug transporters at the blood–testis barrier. Trends in Pharmacological Sciences, 2011, 32, 99-106.	8.7	82
92	Sertoli cells are the target of environmental toxicants in the testis – a mechanistic and therapeutic insight. Expert Opinion on Therapeutic Targets, 2015, 19, 1073-1090.	3.4	82
93	Protein kinases and adherens junction dynamics in the seminiferous epithelium of the rat testis. Journal of Cellular Physiology, 2005, 202, 344-360.	4.1	81
94	Chapter 7 Polarity Proteins and Cell–Cell Interactions in the Testis. International Review of Cell and Molecular Biology, 2009, 278, 309-353.	3.2	81
95	Environmental toxicants perturb human Sertoli cell adhesive function via changes in F-actin organization mediated by actin regulatory proteins. Human Reproduction, 2014, 29, 1279-1291.	0.9	81
96	Extracellular Matrix and Its Role in Spermatogenesis. Advances in Experimental Medicine and Biology, 2009, 636, 74-91.	1.6	81
97	Differential effects of testosterone and TGF- β 3 on endocytic vesicle-mediated protein trafficking events at the blood–testis barrier. Experimental Cell Research, 2010, 316, 2945-2960.	2.6	80
98	Germ Cell Transport Across the Seminiferous Epithelium During Spermatogenesis. Physiology, 2014, 29, 286-298.	3.1	80
99	Study on the formation of specialized inter-Sertoli cell junctions in vitro. , 1999, 181, 258-272.		79
100	Drug transporter, P-glycoprotein (MDR1), is an integrated component of the mammalian blood–testis barrier. International Journal of Biochemistry and Cell Biology, 2009, 41, 2578-2587.	2.8	79
101	Cancer/testis (CT) antigens, carcinogenesis and spermatogenesis. Spermatogenesis, 2011, 1, 209-220.	0.8	79
102	Blood-Testis Barrier Dynamics Are Regulated by β 2-Macroglobulin via the c-Jun N-Terminal Protein Kinase Pathway. Endocrinology, 2005, 146, 1893-1908.	2.8	76
103	Male germ cells support long-term propagation of Zika virus. Nature Communications, 2018, 9, 2090.	12.8	75
104	rpS6 Regulates Blood-Testis Barrier Dynamics By Affecting F-Actin Organization and Protein Recruitment. Endocrinology, 2012, 153, 5036-5048.	2.8	73
105	Rictor/mTORC2 regulates blood–testis barrier dynamics <i>via</i> its effects on gap junction communications and actin filament network. FASEB Journal, 2013, 27, 1137-1152.	0.5	73
106	c-Yes regulates cell adhesion at the blood–testis barrier and the apical ectoplasmic specialization in the seminiferous epithelium of rat testes†. International Journal of Biochemistry and Cell Biology, 2011, 43, 651-665.	2.8	71
107	Diverse Secretory Patterns of Clusterin by Epididymis and Prostate/Seminal Vesicles Undergoing Cell Regression after Orchiectomy*. Endocrinology, 1990, 126, 2989-2997.	2.8	70
108	Signalling pathways regulating the blood–testis barrier. International Journal of Biochemistry and Cell Biology, 2013, 45, 621-625.	2.8	70

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109	Regulation of microtubule (MT)-based cytoskeleton in the seminiferous epithelium during spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2016, 59, 35-45.	5.0	70
110	The biology of spermatogenesis: the past, present and future. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 1459-1463.	4.0	69
111	EB1 Regulates Tubulin and Actin Cytoskeletal Networks at the Sertoli Cell Blood-Testis Barrier in Male Rats: An In Vitro Study. <i>Endocrinology</i> , 2015, 156, 680-693.	2.8	69
112	Regulation of blood-testis barrier dynamics by desmosome, gap junction, hemidesmosome and polarity proteins. <i>Spermatogenesis</i> , 2011, 1, 105-115.	0.8	68
113	Disruption of Sertoli-germ cell adhesion function in the seminiferous epithelium of the rat testis can be limited to adherens junctions without affecting the blood-testis barrier integrity: An in vivo study using an androgen suppression model. <i>Journal of Cellular Physiology</i> , 2005, 205, 141-157.	4.1	67
114	Coxsackie and adenovirus receptor (CAR) is a product of Sertoli and germ cells in rat testes which is localized at the Sertoli-Sertoli germ cell interface. <i>Experimental Cell Research</i> , 2007, 313, 1373-1392.	2.6	67
115	rpS6 regulates blood-testis barrier dynamics via its effects on MMP-9 mediated by Akt signaling. <i>Journal of Cell Science</i> , 2014, 127, 4870-82.	2.0	65
116	Demonstration of heavy and light protomers of human testosterone-estradiol-binding globulin. <i>The Journal of Steroid Biochemistry</i> , 1983, 19, 1379-1389.	1.1	64
117	A peptide derived from laminin-Î³3 reversibly impairs spermatogenesis in rats. <i>Nature Communications</i> , 2012, 3, 1185.	12.8	64
118	Intercellular adhesion molecules (ICAMs) and spermatogenesis. <i>Human Reproduction Update</i> , 2013, 19, 167-186.	10.8	64
119	Toxicants target cell junctions in the testis: Insights from the indazole-carboxylic acid model. <i>Spermatogenesis</i> , 2014, 4, e981485.	0.8	64
120	rpS6 Regulates Blood-Testis Barrier Dynamics Through Arp3-Mediated Actin Microfilament Organization in Rat Sertoli Cells. An In Vitro Study. <i>Endocrinology</i> , 2015, 156, 1900-1913.	2.8	64
121	Adjudin protects rodent cochlear hair cells against gentamicin ototoxicity via the SIRT3-ROS pathway. <i>Scientific Reports</i> , 2015, 5, 8181.	3.3	63
122	Regulation of cell junction dynamics by cytokines in the testis: A molecular and biochemical perspective. <i>Cytokine and Growth Factor Reviews</i> , 2007, 18, 299-311.	7.2	62
123	Coordinating cellular events during spermatogenesis: a biochemical model. <i>Trends in Biochemical Sciences</i> , 2009, 34, 366-373.	7.5	62
124	Regulation of Blood-Testis Barrier (BTB) Dynamics during Spermatogenesis via the Yin and Yang Effects of Mammalian Target of Rapamycin Complex 1 (mTORC1) and mTORC2. <i>International Review of Cell and Molecular Biology</i> , 2013, 301, 291-358.	3.2	62
125	The Blood-Follicle Barrier (BFB) In Disease and in Ovarian Function. <i>Advances in Experimental Medicine and Biology</i> , 2013, 763, 186-192.	1.6	60
126	Actin binding proteins, spermatid transport and spermiation. <i>Seminars in Cell and Developmental Biology</i> , 2014, 30, 75-85.	5.0	59

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127	A seamless trespass: germ cell migration across the seminiferous epithelium during spermatogenesis. <i>Journal of Cell Biology</i> , 2007, 178, 549-556.	5.2	58
128	Targeting testis-specific proteins to inhibit spermatogenesis: lesson from endocrine disrupting chemicals. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 839-855.	3.4	58
129	Identification of Gonadotropin Surge-Inhibiting Factor (GnSIF) in Follicular Fluid and its Differentiation from Inhibin1. <i>Biology of Reproduction</i> , 1987, 37, 1075-1082.	2.7	57
130	Adaptors, Junction Dynamics, and Spermatogenesis1. <i>Biology of Reproduction</i> , 2004, 71, 392-404.	2.7	57
131	14-3-3 Protein Regulates Cell Adhesion in the Seminiferous Epithelium of Rat Testes. <i>Endocrinology</i> , 2009, 150, 4713-4723.	2.8	57
132	The Biology of the Desmosome-Like Junction. <i>International Review of Cell and Molecular Biology</i> , 2011, 286, 223-269.	3.2	57
133	Regulation of Sertoli-Germ Cell Adherens Junction Dynamics in the Testis Via the Nitric Oxide Synthase (NOS)/cGMP/Protein Kinase G (PRKG)/ β^2 -Catenin (CATNB) Signaling Pathway: An In Vitro and In Vivo Study1. <i>Biology of Reproduction</i> , 2005, 73, 458-471.	2.7	56
134	P-glycoprotein regulates blood–testis barrier dynamics via its effects on the occludin/zonula occludens 1 (ZO-1) protein complex mediated by focal adhesion kinase (FAK). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19623-19628.	7.1	56
135	Palladin Is a Regulator of Actin Filament Bundles at the Ectoplasmic Specialization in Adult Rat Testes. <i>Endocrinology</i> , 2013, 154, 1907-1920.	2.8	56
136	Sex Hormone-Binding Globulin Changes during the Menstrual Cycle*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1985, 61, 993-996.	3.6	55
137	Interactions among IQGAP1, Cdc42, and the cadherin/catenin protein complex regulate Sertoli-germ cell adherens junction dynamics in the testis. <i>Journal of Cellular Physiology</i> , 2005, 202, 49-66.	4.1	54
138	Interleukin-6 is a regulator of the blood–testis barrier. <i>FASEB Journal</i> , 2011, 25, 1244-1253.	0.5	54
139	Polarity protein Crumbs homolog-3 (CRB3) regulates ectoplasmic specialization dynamics through its action on F-actin organization in Sertoli cells. <i>Scientific Reports</i> , 2016, 6, 28589.	3.3	54
140	Coordination of Actin- and Microtubule-Based Cytoskeletons Supports Transport of Spermatids and Residual Bodies/Phagosomes During Spermatogenesis in the Rat Testis. <i>Endocrinology</i> , 2016, 2016, 47-62.	2.8	54
141	Dissecting mammalian spermatogenesis using spatial transcriptomics. <i>Cell Reports</i> , 2021, 37, 109915.	6.4	54
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