C Yan Cheng

List of Publications by Year
in descending order

393 papers	22,736 citations	6486 82 h-index	17891 125 g-index
403 all docs	403 docs citations	403 times ranked	11673 citing authors

#	Article	IF	Citations
1	Human obstructive (postvasectomy) and nonobstructive azoospermia â€“ Insights from scRNA-Seq and transcriptome analysis. Genes and Diseases, 2022, 9, 766-776.	1.5	13
2	Single-cell ATAC-Seq reveals cell type-specific transcriptional regulation and unique chromatin accessibility in human spermatogenesis. Human Molecular Genetics, 2022, 31, 321-333.	1.4	22
3	mTORC1/rpS6 and p-FAK-Y407 signaling regulate spermatogenesis: Insights from studies of the adjudin pharmaceutical/toxicant model. Seminars in Cell and Developmental Biology, 2022, 121, 53-62.	2.3	4
4	A laminin-based local regulatory network in the testis that supports spermatogenesis. Seminars in Cell and Developmental Biology, 2022, 121, 40-52.	2.3	7
5	Planar cell polarity (PCP) proteins support spermatogenesis through cytoskeletal organization in the testis. Seminars in Cell and Developmental Biology, 2022, 121, 99-113.	2.3	11
6	Role of laminin and collagen chains in human spermatogenesis â€“ Insights from studies in rodents and scRNA-Seq transcriptome profiling. Seminars in Cell and Developmental Biology, 2022, 121, 125-132.	2.3	7
7	Novel concepts of molecular mechanisms in spermatogenesis. Seminars in Cell and Developmental Biology, 2022, 121, 1.	2.3	0
8	PCP Protein Inversin Regulates Testis Function Through Changes in Cytoskeletal Organization of Actin and Microtubules. Endocrinology, 2022, 163, .	1.4	6
9	Cell-Cell Interaction-Mediated Signaling in the Testis Induces Reproductive Dysfunctionâ€"Lesson from the Toxicant/Pharmaceutical Models. Cells, 2022, 11, 591.	1.8	7
10	Kinesins in Mammalian Spermatogenesis and Germ Cell Transport. Frontiers in Cell and Developmental Biology, 2022, 10, 837542.	1.8	4
11	Multiomics analysis of male infertility. Biology of Reproduction, 2022, 107, 118-134.	1.2	11
12	Exposed and Sequestered Antigens in Testes and Their Protection by Regulatory T Cell-Dependent Systemic Tolerance. Frontiers in Immunology, 2022, 13, .	2.2	0
13	Dynamic Profiles and Transcriptional Preferences of Histone Modifications During Spermiogenesis. Endocrinology, 2021, 162, .	1.4	10
14	The Non-hormonal Male Contraceptive Adjudin Exerts its Effects via MAPs and Signaling Proteins mTORC1/rpS6 and FAK-Y407. Endocrinology, 2021, 162, .	1.4	11
15	Male Infertility in Humans: An Update on Non-obstructive Azoospermia (NOA) and Obstructive Azoospermia (OA). Advances in Experimental Medicine and Biology, 2021, 1288, 161-173.	0.8	13
16	Spermiation: Insights from Studies on the Adjudin Model. Advances in Experimental Medicine and Biology, 2021, 1288, 241-254.	0.8	3
17	Motor Proteins and Spermatogenesis. Advances in Experimental Medicine and Biology, 2021, 1288, 131-159.	0.8	10
18	KIF15 Supports Spermatogenesis Via Its Effects on Sertoli Cell Microtubule, Actin, Vimentin, and Septin Cytoskeletons. Endocrinology, 2021, 162, .	1.4	13

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19	Testis Toxicants: Lesson from Traditional Chinese Medicine (TCM). Advances in Experimental Medicine and Biology, 2021, 1288, 307-319.	0.8	5
20	NC1-peptide derived from collagen Î±3 (IV) chain is a blood-tissue barrier regulator: lesson from the testis. Asian Journal of Andrology, 2021, 23, 123.	0.8	3
21	Unraveling the Regulation of Cancer/Testis Antigens in Tumorigenesis Through an Analysis of Normal Germ Cell Development in Rodents. Advances in Experimental Medicine and Biology, 2021, 1288, 69-93.	0.8	0
22	A local regulatory network in the testis mediated by laminin and collagen fragments that supports spermatogenesis. Critical Reviews in Biochemistry and Molecular Biology, 2021, 56, 236-254.	2.3	8
23	HIV-1 Establishes a Sanctuary Site in the Testis by Permeating the BTB Through Changes in Cytoskeletal Organization. Endocrinology, 2021, 162, .	1.4	4
24	AKAP9 supports spermatogenesis through its effects on microtubule and actin cytoskeletons in the rat testis. FASEB Journal, 2021, 35, e21925.	0.2	3
25	An In Vitro Assay to Monitor Sertoli Cell Blood-Testis Barrier (BTB) Integrity. Methods in Molecular Biology, 2021, 2367, 207-213.	0.4	6
26	Dissecting mammalian spermatogenesis using spatial transcriptomics. Cell Reports, 2021, 37, 109915.	2.9	54
27	Blood-Testis Barrier. , 2021, , 330-335.		0
28	Signaling Proteins That Regulate Spermatogenesis Are the Emerging Target of Toxicant-Induced Male Reproductive Dysfunction. Frontiers in Endocrinology, 2021, 12, 800327.	1.5	4
29	Microtubule-associated proteins (MAPs) in microtubule cytoskeletal dynamics and spermatogenesis. Histology and Histopathology, 2021, 36, 249-265.	0.5	6
30	NC1â€peptide regulates spermatogenesis through changes in cytoskeletal organization mediated by EB1. FASEB Journal, 2020, 34, 3105-3128.	0.2	9
31	Crosstalk between Sertoli and Germ Cells in Male Fertility. Trends in Molecular Medicine, 2020, 26, 215-231.	3.5	93
32	Role of microtubule +TIPs and -TIPs in spermatogenesis â€“ Insights from studies of toxicant models. Reproductive Toxicology, 2020, 91, 43-52.	1.3	6
33	Two resveratrol analogs, pinosylvin and 4,4â€²-dihydroxystilbene, improve oligoasthenospermia in a mouse model by attenuating oxidative stress via the Nrf2-ARE pathway. Bioorganic Chemistry, 2020, 104, 104295.	2.0	9
34	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. IScience, 2020, 23, 101034.	1.9	36
35	Microtubule Cytoskeleton and Spermatogenesisâ€"Lesson From Studies of Toxicant Models. Toxicological Sciences, 2020, 177, 305-315.	1.4	14
36	NC1-Peptide From Collagen Î±3 (IV) Chains in the Basement Membrane of Testes Regulates Spermatogenesis via p-FAK-Y407. Endocrinology, 2020, 161, .	1.4	7

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37	Modulating the Bloodâ€"Testis Barrier Towards Increasing Drug Delivery. Trends in Pharmacological Sciences, 2020, 41, 690-700.	4.0	23
38	Whole-exome sequencing of a large Chinese azoospermia and severe oligospermia cohort identifies novel infertility causative variants and genes. Human Molecular Genetics, 2020, 29, 2451-2459.	1.4	42
39	Endogenously produced LG3/4/5-peptide protects testes against toxicant-induced injury. Cell Death and Disease, 2020, 11, 436.	2.7	11
40	Actin binding proteins, actin cytoskeleton and spermatogenesis â€" Lesson from toxicant models. Reproductive Toxicology, 2020, 96, 76-89.	1.3	22
41	Role of cell polarity and planar cell polarity (PCP) proteins in spermatogenesis. Critical Reviews in Biochemistry and Molecular Biology, 2020, 55, 71-87.	2.3	8
42	Unraveling epigenomic abnormality in azoospermic human males by WGBS, RNA-Seq, and transcriptome profiling analyses. Journal of Assisted Reproduction and Genetics, 2020, 37, 789-802.	1.2	21
43	Bioactive fragments of laminin and collagen chains: lesson from the testis. Reproduction, 2020, 159, R111-R123.	1.1	6
44	Blood-Testis Barrier. , 2020, , 1-6.		0
45	Regulation of BTB Dynamics in Spermatogenesisâ€"Insights From the Adjudin Model. Toxicological Sciences, 2019, 172, 75-88.	1.4	18
46	mTORC1/rpS6 and spermatogenic function in the testisâ€"insights from the adjudin model. Reproductive Toxicology, 2019, 89, 54-66.	1.3	9
47	F5-Peptide and mTORC1/rpS6 Effectively Enhance BTB Transport Function in the Testisâ€"Lesson From the Adjudin Model. Endocrinology, 2019, 160, 1832-1853.	1.4	16
48	Cdc42 is involved in NC1 peptideâ€regulated BTB dynamics through actin and microtubule cytoskeletal reorganization. FASEB Journal, 2019, 33, 14461-14478.	0.2	20
49	mTORC1/rpS6 signaling complex modifies BTB transport function: an in vivo study using the adjudin model. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E121-E138.	1.8	26
50	CAMSAP2 Is a Microtubule Minus-End Targeting Protein That Regulates BTB Dynamics Through Cytoskeletal Organization. Endocrinology, 2019, 160, 1448-1467.	1.4	15
51	F5-peptide enhances the efficacy of the non-hormonal male contraceptive adjudin. Contraception, 2019, 99, 350-356.	0.8	8
52	Myosin VIIa Supports Spermatid/Organelle Transport and Cell Adhesion During Spermatogenesis in the Rat Testis. Endocrinology, 2019, 160, 484-503.	1.4	16
53	Planar cell polarity protein Dishevelled 3 (Dvl3) regulates ectoplasmic specialization (ES) dynamics in the testis through changes in cytoskeletal organization. Cell Death and Disease, 2019, 10, 194.	2.7	19
54	Emerging role for SRC family kinases in junction dynamics during spermatogenesis. Reproduction, 2019, 157, R85-R94.	1.1	12

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55	Regulation of blood-testis barrier dynamics by the mTORC1/rpS6 signaling complex: An in vitro study. Asian Journal of Andrology, 2019, 21, 365.	0.8	11
56	Vangl2 regulates spermatid planar cell polarity through microtubule (MT)-based cytoskeleton in the rat testis. Cell Death and Disease, 2018, 9, 340.	2.7	20
57	A germline-specific role for the mTORC2 component Rictor in maintaining spermatogonial differentiation and intercellular adhesion in mouse testis. Molecular Human Reproduction, 2018, 24, 244-259.	1.3	17
58	Actin nucleator Spire 1 is a regulator of ectoplasmic specialization in the testis. Cell Death and Disease, 2018, 9, 208.	2.7	44
59	Regulation of Blood-Testis Barrier (BTB) Dynamics, Role of Actin-, and Microtubule-Based Cytoskeletons. Methods in Molecular Biology, 2018, 1748, 229-243.	0.4	32
60	Monitoring the Integrity of the Blood-Testis Barrier (BTB): An In Vivo Assay. Methods in Molecular Biology, 2018, 1748, 245-252.	0.4	19
61	Signaling pathways regulating bloodâ€"tissue barriers â€" Lesson from the testis. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 141-153.	1.4	34
62	Cell polarity and planar cell polarity (PCP) in spermatogenesis. Seminars in Cell and Developmental Biology, 2018, 81, 71-77.	2.3	13
63	Cell polarity and cytoskeletonsâ€"Lesson from the testis. Seminars in Cell and Developmental Biology, 2018, 81, 21-32.	2.3	17
64	Melatonin promotes sheep Leydig cell testosterone secretion in a co-culture with Sertoli cells. Theriogenology, 2018, 106, 170-177.	0.9	49
65	Regulation of bloodâ€testis barrier assembly <i>in vivo</i> by germ cells. FASEB Journal, 2018, 32, 1653-1664.	0.2	28
66	mTORC1/rpS6 regulates blood-testis barrier dynamics and spermatogenetic function in the testis in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E174-E190.	1.8	38
67	Environmental toxicants and cell polarity in the testis. Reproductive Toxicology, 2018, 81, 253-258.	1.3	4
68	Male germ cells support long-term propagation of Zika virus. Nature Communications, 2018, 9, 2090.	5.8	75
69	Testis Toxicants. , 2018, , 559-566.		0
70	Blood-Testis Barrier. , 2018, , 152-160.		1
71	Dynein 1 supports spermatid transport and spermiation during spermatogenesis in the rat testis. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E924-E948.	1.8	33
72	Mechanistic Insights into PFOS-Mediated Sertoli Cell Injury. Trends in Molecular Medicine, 2018, 24, 781-793.	3.5	39

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73	Regulation of spermatid polarity by the actin- and microtubule (MT)-based cytoskeletons. Seminars in Cell and Developmental Biology, 2018, 81, 88-96.	2.3	15
74	Src family kinases (SFKs) and cell polarity in the testis. Seminars in Cell and Developmental Biology, 2018, 81, 46-53.	2.3	4
75	Focal Adhesion Kinase (FAK). , 2018, , 1800-1812.		0
76	MAP/Microtubule Affinity-Regulating Kinase. , 2018, , 2939-2946.		0
77	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 235-253.	2.3	34
78	Perfluorooctanesulfonate (PFOS)-induced Sertoli cell injury through a disruption of F-actin and microtubule organization is mediated by Akt1/2. Scientific Reports, 2017, 7, 1110.	1.6	38
79	Regulation of spermatogenesis by a local functional axis in the testis: role of the basement membraneâ€"derived noncollagenous 1 domain peptide. FASEB Journal, 2017, 31, 3587-3607.	0.2	38
80	Human Spermatogenesis and Its Regulation. , 2017, , 49-72.		16
81	Basement Membrane Laminin Î±2 Regulation of BTB Dynamics via Its Effects on F-Actin and Microtubule Cytoskeletons Is Mediated Through mTORC1 Signaling. Endocrinology, 2017, 158, 963-978.	1.4	39
82	Sperm Release at Spermiation Is Regulated by Changes in the Organization of Actin- and Microtubule-Based Cytoskeletons at the Apical Ectoplasmic Specializationâ€"A Study Using the Adjudin Model. Endocrinology, 2017, 158, 4300-4316.	1.4	36
83	Drebrin and Spermatogenesis. Advances in Experimental Medicine and Biology, 2017, 1006, 291-312.	0.8	4
84	Rescue of PFOS-induced human Sertoli cell injury by overexpressing a p-FAK-Y407E phosphomimetic mutant. Scientific Reports, 2017, 7, 15810.	1.6	25
85	Regulation of the bloodâ€testis barrier by a local axis in the testis: role of laminin Î±2 in the basement membrane. FASEB Journal, 2017, 31, 584-597.	0.2	46
86	Melatonin up-regulates the expression of the GATA-4 transcription factor and increases testosterone secretion from Leydig cells through RORÎ± signaling in an in vitro goat spermatogonial stem cell differentiation culture system. Oncotarget, 2017, 8, 110592-110605.	0.8	20
87	Egress of sperm autoantigen from seminiferous tubules maintains systemic tolerance. Journal of Clinical Investigation, 2017, 127, 1046-1060.	3.9	93
88	Cell polarity, cell adhesion, and spermatogenesis: role of cytoskeletons. F1000Research, 2017, 6, 1565.	0.8	28
89	Editorial. Seminars in Cell and Developmental Biology, 2016, 59, 1.	2.3	0
90	Polarity protein Crumbs homolog-3 (CRB3) regulates ectoplasmic specialization dynamics through its action on F-actin organization in Sertoli cells. Scientific Reports, 2016, 6, 28589.	1.6	54

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91	Rescue of perfluorooctanesulfonate (PFOS)-mediated Sertoli cell injury by overexpression of gap junction protein connexin 43. Scientific Reports, 2016, 6, 29667.	1.6	33
92	Transport of germ cells across the seminiferous epithelium during spermatogenesisâ€"the involvement of both actin- and microtubule-based cytoskeletons. Tissue Barriers, 2016, 4, e1265042.	1.6	42
93	Planar cell polarity (PCP) proteins and spermatogenesis. Seminars in Cell and Developmental Biology, 2016, 59, 99-109.	2.3	14
94	Formin 1 Regulates Microtubule and F-Actin Organization to Support Spermatid Transport During Spermatogenesis in the Rat Testis. Endocrinology, 2016, 157, 2894-2908.	1.4	26
95	Does cell polarity matter during spermatogenesis?. Spermatogenesis, 2016, 6, e1218408.	0.8	8
96	Overexpression of plastin 3 in Sertoli cells disrupts actin microfilament bundle homeostasis and perturbs the tight junction barrier. Spermatogenesis, 2016, 6, e1206353.	0.8	5
97	The control of male fertility by spermatid-specific factors: searching for contraceptive targets from spermatozoonâ€™s head to tail. Cell Death and Disease, 2016, 7, e2472-e2472.	2.7	45
98	Planar Cell Polarity (PCP) Protein Vangl2 Regulates Ectoplasmic Specialization Dynamics via Its Effects on Actin Microfilaments in the Testes of Male Rats. Endocrinology, 2016, 157, 2140-2159.	1.4	29
99	Cell polarity proteins and spermatogenesis. Seminars in Cell and Developmental Biology, 2016, 59, 62-70.	2.3	28
100	AKAP9, a Regulator of Microtubule Dynamics, Contributes to Blood-Testis Barrier Function. American Journal of Pathology, 2016, 186, 270-284.	1.9	20
101	Is toxicant-induced Sertoli cell injury in vitro a useful model to study molecular mechanisms in spermatogenesis?. Seminars in Cell and Developmental Biology, 2016, 59, 141-156.	2.3	44
102	Regulation of microtubule (MT)-based cytoskeleton in the seminiferous epithelium during spermatogenesis. Seminars in Cell and Developmental Biology, 2016, 59, 35-45.	2.3	70
103	Regulation of bloodâ€"testis barrier by actin binding proteins and protein kinases. Reproduction, 2016, 151, R29-R41.	1.1	44
104	Coordination of Actin- and Microtubule-Based Cytoskeletons Supports Transport of Spermatids and Residual Bodies/Phagosomes During Spermatogenesis in the Rat Testis. Endocrinology, 2016, 2016, 47-62.	1.4	54
105	Development, function and fate of fetal Leydig cells. Seminars in Cell and Developmental Biology, 2016, 59, 89-98.	2.3	103
106	Mammalian target of rapamycin controls glucose consumption and redox balance in human Sertoli cells. Fertility and Sterility, 2016, 105, 825-833.e3.	0.5	25
107	Connexin 43 reboots meiosis and reseals bloodâ€testis barrier following toxicantâ€mediated aspermatogenesis and barrier disruption. FASEB Journal, 2016, 30, 1436-1452.	0.2	37
108	Sertoli Cell Wt1 Regulates Peritubular Myoid Cell and Fetal Leydig Cell Differentiation during Fetal Testis Development. PLoS ONE, 2016, 11, e0167920.	1.1	36

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109	Mammalian target of rapamycin complex (mTOR) pathway modulates blood-testis barrier (BTB) function through F-actin organization and gap junction. Histology and Histopathology, 2016, 31, 961-8.	0.5	19
110	F5-peptide induces aspermatogenesis by disrupting organization of actin- and microtubule-based cytoskeletons in the testis. Oncotarget, 2016, 7, 64203-64220.	0.8	47
111	Plastins regulate ectoplasmic specialization via its actin bundling activity on microfilaments in the rat testis. Asian Journal of Andrology, 2016, 18, 716.	0.8	8
112	MAP/Microtubule Affinity-Regulating Kinase. , 2016, , 1-8.		0
113	Focal Adhesion Kinase (FAK). , 2016, , 1-13.		0
114	Adjudin protects rodent cochlear hair cells against gentamicin ototoxicity via the SIRT3-ROS pathway. Scientific Reports, 2015, 5, 8181.	1.6	63
115	Actin binding proteins in bloodâ€"testis barrier function. Current Opinion in Endocrinology, Diabetes and Obesity, 2015, 22, 238-247.	1.2	17
116	Fascin â€" An actin binding and bundling protein in the testis and its role in ectoplasmic specialization dynamics. Spermatogenesis, 2015, 5, e1002733.	0.8	2
117	Roles of Toll-Like Receptors 2 and 4 in Mediating Experimental Autoimmune Orchitis Induction in Mice1. Biology of Reproduction, 2015, 92, 63.	1.2	11
118	EB1 Regulates Tubulin and Actin Cytoskeletal Networks at the Sertoli Cell Blood-Testis Barrier in Male Rats: An In Vitro Study. Endocrinology, 2015, 156, 680-693.	1.4	69
119	Actin-bundling protein plastin 3 is a regulator of ectoplasmic specialization dynamics during spermatogenesis in the rat testis. FASEB Journal, 2015, 29, 3788-3805.	0.2	37
120	Formin 1 Regulates Ectoplasmic Specialization in the Rat Testis Through Its Actin Nucleation and Bundling Activity. Endocrinology, 2015, 156, 2969-2983.	1.4	31
121	Sertoli cells are the target of environmental toxicants in the testis â€" a mechanistic and therapeutic insight. Expert Opinion on Therapeutic Targets, 2015, 19, 1073-1090.	1.5	82
122	Formins: Actin nucleators that regulate cytoskeletal dynamics during spermatogenesis. Spermatogenesis, 2015, 5, e1066476.	0.8	9
123	rpS6 Regulates Blood-Testis Barrier Dynamics Through Arp3-Mediated Actin Microfilament Organization in Rat Sertoli Cells. An In Vitro Study. Endocrinology, 2015, 156, 1900-1913.	1.4	64
124	The Mammalian Blood-Testis Barrier: Its Biology and Regulation. Endocrine Reviews, 2015, 36, 564-591.	8.9	409
125	Biochemistry of Sertoli cell/germ cell junctions, germ cell transport, and spermiation in the seminiferous epithelium. , 2015, , 333-383.		14
126	Mice lacking Axl and Mer tyrosine kinase receptors are susceptible to experimental autoimmune orchitis induction. Immunology and Cell Biology, 2015, 93, 311-320.	1.0	20

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127	The Warburg Effect Revisitedâ€"Lesson from the Sertoli Cell. Medicinal Research Reviews, 2015, 35, 126-151.	5.0	137
128	Adjudin - A Male Contraceptive with Other Biological Activities. Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, 2015, 9, 63-73.	0.7	8
129	Ezrin: a regulator of actin microfilaments in cell junctions of the rat testis. Asian Journal of Andrology, 2015, 17, 653.	0.8	16
130	Ezrin is an Actin Binding Protein That Regulates Sertoli Cell and Spermatid Adhesion During Spermatogenesis. Endocrinology, 2014, 155, 3981-3995.	1.4	32
131	Differential effects of c-Src and c-Yes on the endocytic vesicle-mediated trafficking events at the Sertoli cell blood-testis barrier: an in vitro study. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E553-E562.	1.8	32
132	Germ Cell Transport Across the Seminiferous Epithelium During Spermatogenesis. Physiology, 2014, 29, 286-298.	1.6	80
133	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.	1.4	103
134	Fascin 1 is an actin filament-bundling protein that regulates ectoplasmic specialization dynamics in the rat testis. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E738-E753.	1.8	22
135	Thyroid Hormone Function in the Rat Testis. Frontiers in Endocrinology, 2014, 5, 188.	1.5	36
136	N-WASP Is Required for Structural Integrity of the Blood-Testis Barrier. PLoS Genetics, 2014, 10, e1004447.	1.5	30
137	Cytokines, Polarity Proteins, and Endosomal Protein Trafficking and Signalingâ€"The Sertoli Cell Bloodâ€"Testis Barrier System In Vitro as a Study Model. Methods in Enzymology, 2014, 534, 181-194.	0.4	16
138	rpS6 regulates blood-testis barrier dynamics via its effects on MMP-9 mediated by Akt signaling. Journal of Cell Science, 2014, 127, 4870-82.	1.2	65
139	Letter from the Editor:<i>Spermatogenesis</i>goes all digital. Spermatogenesis, 2014, 4, e36260.	0.8	0
140	Toxicants target cell junctions in the testis: Insights from the indazole-carboxylic acid model. Spermatogenesis, 2014, 4, e981485.	0.8	64
141	p204-Initiated Innate Antiviral Response in Mouse Leydig Cells1. Biology of Reproduction, 2014, 91, 8.	1.2	23
142	Biology of spermatogenesis â€" The challenges ahead. Seminars in Cell and Developmental Biology, 2014, 30, 1.	2.3	0
143	Actin binding proteins, spermatid transport and spermiation. Seminars in Cell and Developmental Biology, 2014, 30, 75-85.	2.3	59
144	Intercellular adhesion molecule 1: Recent findings and new concepts involved in mammalian spermatogenesis. Seminars in Cell and Developmental Biology, 2014, 29, 43-54.	2.3	20

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145	Biology of spermatogenesis. Seminars in Cell and Developmental Biology, 2014, 29, 1.	2.3	2
146	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.	0.4	81
147	Wt1 dictates the fate of fetal and adult Leydig cells during development in the mouse testis. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E1131-E1143.	1.8	49
148	Sertolin Mediates Blood-Testis Barrier Restructuring. Endocrinology, 2014, 155, 1520-1531.	1.4	5
149	Role of non-receptor protein tyrosine kinases in spermatid transport during spermatogenesis. Seminars in Cell and Developmental Biology, 2014, 30, 65-74.	2.3	22
150	New insights into FAK function and regulation during spermatogenesis. Histology and Histopathology, 2014, 29, 977-89.	0.5	20
151	Male contraceptive Adjudin is a potential anti-cancer drug. Biochemical Pharmacology, 2013, 85, 345-355.	2.0	34
152	Regulation of actin dynamics and protein trafficking during spermatogenesis â€“ Insights into a complex process. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 153-172.	2.3	45
153	Rictor/mTORC2 regulates bloodâ€testis barrier dynamics <i>via</i> its effects on gap junction communications and actin filament network. FASEB Journal, 2013, 27, 1137-1152.	0.2	73
154	Intercellular adhesion molecules (ICAMs) and spermatogenesis. Human Reproduction Update, 2013, 19, 167-186.	5.2	64
155	Regulation of Bloodâ€“Testis Barrier (BTB) Dynamics during Spermatogenesis via the â€œYinâ€•and â€œYangâ€• Effects of Mammalian Target of Rapamycin Complex 1 (mTORC1) and mTORC2. International Review of Cell and Molecular Biology, 2013, 301, 291-358.	1.6	62
156	Inhibition of sperm capacitation and fertilizing capacity by adjudin is mediated by chloride and its channels in humans. Human Reproduction, 2013, 28, 47-59.	0.4	15
157	Intercellular adhesion molecule-2 is involved in apical ectoplasmic specialization dynamics during spermatogenesis in the rat. Journal of Endocrinology, 2013, 216, 73-86.	1.2	18
158	Adjudin attenuates lipopolysaccharide (LPS)- and ischemia-induced microglial activation. Journal of Neuroimmunology, 2013, 254, 83-90.	1.1	50
159	The apical ESâ€“BTBâ€“BM functional axis is an emerging target for toxicant-induced infertility. Trends in Molecular Medicine, 2013, 19, 396-405.	3.5	37
160	Signalling pathways regulating the bloodâ€“testis barrier. International Journal of Biochemistry and Cell Biology, 2013, 45, 621-625.	1.2	70
161	Palladin Is a Regulator of Actin Filament Bundles at the Ectoplasmic Specialization in Adult Rat Testes. Endocrinology, 2013, 154, 1907-1920.	1.4	56
162	Breast cancer resistance protein (Bcrp) and the testisâ€”an unexpected turn of events. Asian Journal of Andrology, 2013, 15, 455-460.	0.8	22

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163	Breast cancer resistance protein regulates apical ectoplasmic specialization dynamics stage specifically in the rat testis. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E757-E769.	1.8	14
164	p-FAK-Tyr³⁹⁷ regulates spermatid adhesion in the rat testis via its effects on F-actin organization at the ectoplasmic specialization. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E687-E699.	1.8	52
165	Targeting testis-specific proteins to inhibit spermatogenesis: lesson from endocrine disrupting chemicals. Expert Opinion on Therapeutic Targets, 2013, 17, 839-855.	1.5	58
166	Adjudin disrupts spermatogenesis by targeting drug transporters. Spermatogenesis, 2013, 3, e24993.	0.8	11
167	Focal adhesion kinase and actin regulatory/binding proteins that modulate F-actin organization at the tissue barrier: Lesson from the testis. Tissue Barriers, 2013, 1, e24252.	1.6	17
168	MAP/microtubule affinity-regulating kinases, microtubule dynamics, and spermatogenesis. Journal of Endocrinology, 2013, 217, R13-R23.	1.2	53
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