

C Yan Cheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

383 papers	18,564 citations	76 h-index	114 g-index
402 ext. papers	20,539 ext. citations	5.9 avg, IF	7.12 L-index

#	Paper	IF	Citations
383	Kinesins in Mammalian Spermatogenesis and Germ Cell Transport.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 837542	5.7	
382	Dissecting mammalian spermatogenesis using spatial transcriptomics. <i>Cell Reports</i> , 2021 , 37, 109915	10.6	8
381	Blood-Testis Barrier 2021 , 330-335		
380	mTORC1/rpS6 and p-FAK-Y407 signaling regulate spermatogenesis: Insights from studies of the adjuvin pharmaceutical/toxicant model. <i>Seminars in Cell and Developmental Biology</i> , 2021 ,	7.5	1
379	A laminin-based local regulatory network in the testis that supports spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2021 ,	7.5	2
378	Planar cell polarity (PCP) proteins support spermatogenesis through cytoskeletal organization in the testis. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 121, 99-99	7.5	1
377	Role of laminin and collagen chains in human spermatogenesis - Insights from studies in rodents and scRNA-Seq transcriptome profiling. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 121, 125-125	7.5	0
376	Dynamic Profiles and Transcriptional Preferences of Histone Modifications During Spermiogenesis. <i>Endocrinology</i> , 2021 , 162,	4.8	6
375	The Non-hormonal Male Contraceptive Adjuvin Exerts its Effects via MAPs and Signaling Proteins mTORC1/rpS6 and FAK-Y407. <i>Endocrinology</i> , 2021 , 162,	4.8	3
374	Single cell ATAC-Seq reveals cell type-specific transcriptional regulation and unique chromatin accessibility in human spermatogenesis. <i>Human Molecular Genetics</i> , 2021 ,	5.6	3
373	Male Infertility in Humans: An Update on Non-obstructive Azoospermia (NOA) and Obstructive Azoospermia (OA). <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1288, 161-173	3.6	0
372	Spermiation: Insights from Studies on the Adjuvin Model. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1288, 241-254	3.6	0
371	Motor Proteins and Spermatogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1288, 131-159	3.6	3
370	KIF15 supports spermatogenesis via its effects on Sertoli cell microtubule, actin, vimentin, and septin cytoskeletons. <i>Endocrinology</i> , 2021 , 162,	4.8	5
369	Testis Toxicants: Lesson from Traditional Chinese Medicine (TCM). <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1288, 307-319	3.6	1
368	NC1-peptide derived from collagen α (IV) chain is a blood-tissue barrier regulator: lesson from the testis. <i>Asian Journal of Andrology</i> , 2021 , 23, 123-128	2.8	2
367	Unraveling the Regulation of Cancer/Testis Antigens in Tumorigenesis Through an Analysis of Normal Germ Cell Development in Rodents. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1288, 69-93	3.6	

366	A local regulatory network in the testis mediated by laminin and collagen fragments that supports spermatogenesis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2021 , 56, 236-254	8.7	3
365	HIV-1 Establishes a Sanctuary Site in the Testis by Permeating the BTB Through Changes in Cytoskeletal Organization. <i>Endocrinology</i> , 2021 , 162,	4.8	1
364	AKAP9 supports spermatogenesis through its effects on microtubule and actin cytoskeletons in the rat testis. <i>FASEB Journal</i> , 2021 , 35, e21925	0.9	1
363	An In Vitro Assay to Monitor Sertoli Cell Blood-Testis Barrier (BTB) Integrity. <i>Methods in Molecular Biology</i> , 2021 , 2367, 207-213	1.4	1
362	Signaling Proteins That Regulate Spermatogenesis Are the Emerging Target of Toxicant-Induced Male Reproductive Dysfunction.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 800327	5.7	0
361	Microtubule-associated proteins (MAPs) in microtubule cytoskeletal dynamics and spermatogenesis. <i>Histology and Histopathology</i> , 2021 , 36, 249-265	1.4	4
360	Human obstructive (postvasectomy) and nonobstructive azoospermia Insights from scRNA-Seq and transcriptome analysis. <i>Genes and Diseases</i> , 2020 ,	6.6	1
359	Whole-exome sequencing of a large Chinese azoospermia and severe oligospermia cohort identifies novel infertility causative variants and genes. <i>Human Molecular Genetics</i> , 2020 , 29, 2451-2459	5.6	16
358	Endogenously produced LG3/4/5-peptide protects testes against toxicant-induced injury. <i>Cell Death and Disease</i> , 2020 , 11, 436	9.8	8
357	Actin binding proteins, actin cytoskeleton and spermatogenesis - Lesson from toxicant models. <i>Reproductive Toxicology</i> , 2020 , 96, 76-89	3.4	9
356	Role of cell polarity and planar cell polarity (PCP) proteins in spermatogenesis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2020 , 55, 71-87	8.7	1
355	Unraveling epigenomic abnormality in azoospermic human males by WGBS, RNA-Seq, and transcriptome profiling analyses. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 789-802	3.4	13
354	Bioactive fragments of laminin and collagen chains: lesson from the testis. <i>Reproduction</i> , 2020 , 159, R111-R123	11.8	4
353	NC1-peptide regulates spermatogenesis through changes in cytoskeletal organization mediated by EB1. <i>FASEB Journal</i> , 2020 , 34, 3105-3128	0.9	6
352	Crosstalk between Sertoli and Germ Cells in Male Fertility. <i>Trends in Molecular Medicine</i> , 2020 , 26, 215-231	11.5	45
351	Role of microtubule +TIPs and -TIPs in spermatogenesis - Insights from studies of toxicant models. <i>Reproductive Toxicology</i> , 2020 , 91, 43-52	3.4	6
350	Two resveratrol analogs, pinosylvin and 4,4'-dihydroxystilbene, improve oligoasthenospermia in a mouse model by attenuating oxidative stress via the Nrf2-ARE pathway. <i>Bioorganic Chemistry</i> , 2020 , 104, 104295	5.1	3
349	Reorganized 3D Genome Structures Support Transcriptional Regulation in Mouse Spermatogenesis. <i>IScience</i> , 2020 , 23, 101034	6.1	15

348	Microtubule Cytoskeleton and Spermatogenesis-Lesson From Studies of Toxicant Models. <i>Toxicological Sciences</i> , 2020 , 177, 305-315	4.4	5
347	NC1-Peptide From Collagen β (IV) Chains in the Basement Membrane of Testes Regulates Spermatogenesis via p-FAK-Y407. <i>Endocrinology</i> , 2020 , 161,	4.8	3
346	Modulating the Blood-Testis Barrier Towards Increasing Drug Delivery. <i>Trends in Pharmacological Sciences</i> , 2020 , 41, 690-700	13.2	10
345	mTORC1/rpS6 signaling complex modifies BTB transport function: an in vivo study using the adjuvin model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E121-E138	6	20
344	CAMSAP2 Is a Microtubule Minus-End Targeting Protein That Regulates BTB Dynamics Through Cytoskeletal Organization. <i>Endocrinology</i> , 2019 , 160, 1448-1467	4.8	10
343	F5-peptide enhances the efficacy of the non-hormonal male contraceptive adjuvin. <i>Contraception</i> , 2019 , 99, 350-356	2.5	8
342	Myosin VIIa Supports Spermatid/Organelle Transport and Cell Adhesion During Spermatogenesis in the Rat Testis. <i>Endocrinology</i> , 2019 , 160, 484-503	4.8	12
341	Regulation of BTB dynamics in spermatogenesis - insights from the adjuvin toxicant model. <i>Toxicological Sciences</i> , 2019 ,	4.4	14
340	mTORC1/rpS6 and spermatogenic function in the testis-insights from the adjuvin model. <i>Reproductive Toxicology</i> , 2019 , 89, 54-66	3.4	8
339	F5-Peptide and mTORC1/rpS6 Effectively Enhance BTB Transport Function in the Testis-Lesson From the Adjuvin Model. <i>Endocrinology</i> , 2019 , 160, 1832-1853	4.8	14
338	Cdc42 is involved in NC1 peptide-regulated BTB dynamics through actin and microtubule cytoskeletal reorganization. <i>FASEB Journal</i> , 2019 , 33, 14461-14478	0.9	13
337	Emerging role for SRC family kinases in junction dynamics during spermatogenesis. <i>Reproduction</i> , 2019 , 157, R85-R94	3.8	8
336	Regulation of blood-testis barrier dynamics by the mTORC1/rpS6 signaling complex: An study. <i>Asian Journal of Andrology</i> , 2019 , 21, 365-375	2.8	7
335	Planar cell polarity protein Dishevelled 3 (Dvl3) regulates ectoplasmic specialization (ES) dynamics in the testis through changes in cytoskeletal organization. <i>Cell Death and Disease</i> , 2019 , 10, 194	9.8	11
334	Vangl2 regulates spermatid planar cell polarity through microtubule (MT)-based cytoskeleton in the rat testis. <i>Cell Death and Disease</i> , 2018 , 9, 340	9.8	13
333	A germline-specific role for the mTORC2 component Rictor in maintaining spermatogonial differentiation and intercellular adhesion in mouse testis. <i>Molecular Human Reproduction</i> , 2018 , 24, 244-259	4.4	7
332	Actin nucleator Spire 1 is a regulator of ectoplasmic specialization in the testis. <i>Cell Death and Disease</i> , 2018 , 9, 208	9.8	28
331	Regulation of Blood-Testis Barrier (BTB) Dynamics, Role of Actin-, and Microtubule-Based Cytoskeletons. <i>Methods in Molecular Biology</i> , 2018 , 1748, 229-243	1.4	17

330	Monitoring the Integrity of the Blood-Testis Barrier (BTB): An In Vivo Assay. <i>Methods in Molecular Biology</i> , 2018 , 1748, 245-252	1.4	8
329	Signaling pathways regulating blood-tissue barriers - Lesson from the testis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 141-153	3.8	20
328	Cell polarity and planar cell polarity (PCP) in spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 81, 71-77	7.5	10
327	Cell polarity and cytoskeletons-Lesson from the testis. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 81, 21-32	7.5	9
326	Melatonin promotes sheep Leydig cell testosterone secretion in a co-culture with Sertoli cells. <i>Theriogenology</i> , 2018 , 106, 170-177	2.8	26
325	Testis Toxicants 2018 , 559-566		
324	Blood-Testis Barrier 2018 , 152-160		0
323	Dynein 1 supports spermatid transport and spermiation during spermatogenesis in the rat testis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E924-E948	6	21
322	Mechanistic Insights into PFOS-Mediated Sertoli Cell Injury. <i>Trends in Molecular Medicine</i> , 2018 , 24, 781-795	11.5	18
321	Regulation of spermatid polarity by the actin- and microtubule (MT)-based cytoskeletons. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 81, 88-96	7.5	10
320	A look into the testis as a reservoir for HIV and ZIKV: a reproductive biologist's perspective 2018 , 183-190		2
319	Does planar cell polarity matter during spermatogenesis? 2018 , 211-219		0
318	Src family kinases (SFKs) and cell polarity in the testis. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 81, 46-53	7.5	2
317	Regulation of blood-testis barrier assembly in vivo by germ cells. <i>FASEB Journal</i> , 2018 , 32, 1653-1664	0.9	17
316	mTORC1/rpS6 regulates blood-testis barrier dynamics and spermatogenetic function in the testis in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E174-E190	6	28
315	Environmental toxicants and cell polarity in the testis. <i>Reproductive Toxicology</i> , 2018 , 81, 253-258	3.4	3
314	Male germ cells support long-term propagation of Zika virus. <i>Nature Communications</i> , 2018 , 9, 2090	17.4	44
313	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017 , 52, 235-253	8.7	24

312	Perfluorooctanesulfonate (PFOS)-induced Sertoli cell injury through a disruption of F-actin and microtubule organization is mediated by Akt1/2. <i>Scientific Reports</i> , 2017 , 7, 1110	4.9	28
311	Regulation of spermatogenesis by a local functional axis in the testis: role of the basement membrane-derived noncollagenous 1 domain peptide. <i>FASEB Journal</i> , 2017 , 31, 3587-3607	0.9	30
310	Human Spermatogenesis and Its Regulation 2017 , 49-72		10
309	Basement Membrane Laminin α Regulation of BTB Dynamics via Its Effects on F-Actin and Microtubule Cytoskeletons Is Mediated Through mTORC1 Signaling. <i>Endocrinology</i> , 2017 , 158, 963-978	4.8	33
308	Sperm Release at Spermiation Is Regulated by Changes in the Organization of Actin- and Microtubule-Based Cytoskeletons at the Apical Ectoplasmic Specialization-A Study Using the Adjudin Model. <i>Endocrinology</i> , 2017 , 158, 4300-4316	4.8	31
307	Melatonin up-regulates the expression of the GATA-4 transcription factor and increases testosterone secretion from Leydig cells through ROR α signaling in an goat spermatogonial stem cell differentiation culture system. <i>Oncotarget</i> , 2017 , 8, 110592-110605	3.3	10
306	Drebrin and Spermatogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 1006, 291-312	3.6	3
305	Rescue of PFOS-induced human Sertoli cell injury by overexpressing a p-FAK-Y407E phosphomimetic mutant. <i>Scientific Reports</i> , 2017 , 7, 15810	4.9	19
304	Regulation of the blood-testis barrier by a local axis in the testis: role of laminin α in the basement membrane. <i>FASEB Journal</i> , 2017 , 31, 584-597	0.9	37
303	Egress of sperm autoantigen from seminiferous tubules maintains systemic tolerance. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1046-1060	15.9	57
302	Cell polarity, cell adhesion, and spermatogenesis: role of cytoskeletons. <i>F1000Research</i> , 2017 , 6, 1565	3.6	21
301	The control of male fertility by spermatid-specific factors: searching for contraceptive targets from spermatozoon's head to tail. <i>Cell Death and Disease</i> , 2016 , 7, e2472	9.8	29
300	Planar Cell Polarity (PCP) Protein Vangl2 Regulates Ectoplasmic Specialization Dynamics via Its Effects on Actin Microfilaments in the Testes of Male Rats. <i>Endocrinology</i> , 2016 , 157, 2140-59	4.8	21
299	Cell polarity proteins and spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 59, 62-70	7.5	16
298	AKAP9, a Regulator of Microtubule Dynamics, Contributes to Blood-Testis Barrier Function. <i>American Journal of Pathology</i> , 2016 , 186, 270-84	5.8	13
297	Is toxicant-induced Sertoli cell injury in vitro a useful model to study molecular mechanisms in spermatogenesis?. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 59, 141-156	7.5	34
296	Regulation of microtubule (MT)-based cytoskeleton in the seminiferous epithelium during spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 59, 35-45	7.5	60
295	Regulation of blood-testis barrier by actin binding proteins and protein kinases. <i>Reproduction</i> , 2016 , 151, R29-41	3.8	29

294	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 , 157, 1644-59	4.8	47
293	Development, function and fate of fetal Leydig cells. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 59, 89-98	7.5	70
292	Mammalian target of rapamycin controls glucose consumption and redox balance in human Sertoli cells. <i>Fertility and Sterility</i> , 2016 , 105, 825-833.e3	4.8	22
291	Connexin 43 reboots meiosis and reseals blood-testis barrier following toxicant-mediated aspermatogenesis and barrier disruption. <i>FASEB Journal</i> , 2016 , 30, 1436-52	0.9	32
290	Sertoli Cell Wt1 Regulates Peritubular Myoid Cell and Fetal Leydig Cell Differentiation during Fetal Testis Development. <i>PLoS ONE</i> , 2016 , 11, e0167920	3.7	28
289	Mammalian target of rapamycin complex (mTOR) pathway modulates blood-testis barrier (BTB) function through F-actin organization and gap junction. <i>Histology and Histopathology</i> , 2016 , 31, 961-8	1.4	16
288	F5-peptide induces aspermatogenesis by disrupting organization of actin- and microtubule-based cytoskeletons in the testis. <i>Oncotarget</i> , 2016 , 7, 64203-64220	3.3	42
287	Plastins regulate ectoplasmic specialization via its actin bundling activity on microfilaments in the rat testis. <i>Asian Journal of Andrology</i> , 2016 , 18, 716-22	2.8	7
286	Focal Adhesion Kinase (FAK) 2016 , 1-13		
285	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	4.9	43
284	Rescue of perfluorooctanesulfonate (PFOS)-mediated Sertoli cell injury by overexpression of gap junction protein connexin 43. <i>Scientific Reports</i> , 2016 , 6, 29667	4.9	25
283	Transport of germ cells across the seminiferous epithelium during spermatogenesis-the involvement of both actin- and microtubule-based cytoskeletons. <i>Tissue Barriers</i> , 2016 , 4, e1265042	4.3	33
282	Planar cell polarity (PCP) proteins and spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 59, 99-109	7.5	12
281	Formin 1 Regulates Microtubule and F-Actin Organization to Support Spermatid Transport During Spermatogenesis in the Rat Testis. <i>Endocrinology</i> , 2016 , 157, 2894-908	4.8	21
280	Does cell polarity matter during spermatogenesis?. <i>Spermatogenesis</i> , 2016 , 6, e1218408		5
279	Overexpression of plastin 3 in Sertoli cells disrupts actin microfilament bundle homeostasis and perturbs the tight junction barrier. <i>Spermatogenesis</i> , 2016 , 6, e1206353		5
278	Actin-bundling protein plastin 3 is a regulator of ectoplasmic specialization dynamics during spermatogenesis in the rat testis. <i>FASEB Journal</i> , 2015 , 29, 3788-805	0.9	29
277	Formin 1 Regulates Ectoplasmic Specialization in the Rat Testis Through Its Actin Nucleation and Bundling Activity. <i>Endocrinology</i> , 2015 , 156, 2969-83	4.8	31

276	Sertoli cells are the target of environmental toxicants in the testis - a mechanistic and therapeutic insight. <i>Expert Opinion on Therapeutic Targets</i> , 2015 , 19, 1073-90	6.4	58
275	Formins: Actin nucleators that regulate cytoskeletal dynamics during spermatogenesis. <i>Spermatogenesis</i> , 2015 , 5, e1066476		7
274	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, 1900-13	4.8	51
273	The Mammalian Blood-Testis Barrier: Its Biology and Regulation. <i>Endocrine Reviews</i> , 2015 , 36, 564-91	27.2	257
272	Biochemistry of Sertoli cell/germ cell junctions, germ cell transport, and spermiation in the seminiferous epithelium 2015 , 333-383		11
271	Mice lacking Axl and Mer tyrosine kinase receptors are susceptible to experimental autoimmune orchitis induction. <i>Immunology and Cell Biology</i> , 2015 , 93, 311-20	5	17
270	The Warburg effect revisited--lesson from the Sertoli cell. <i>Medicinal Research Reviews</i> , 2015 , 35, 126-51	14.4	96
269	Adjudin protects rodent cochlear hair cells against gentamicin ototoxicity via the SIRT3-ROS pathway. <i>Scientific Reports</i> , 2015 , 5, 8181	4.9	52
268	Actin binding proteins in blood-testis barrier function. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2015 , 22, 238-47	4	14
267	Fascin - An actin binding and bundling protein in the testis and its role in ectoplasmic specialization dynamics. <i>Spermatogenesis</i> , 2015 , 5, e1002733		2
266	Roles of Toll-like receptors 2 and 4 in mediating experimental autoimmune orchitis induction in mice. <i>Biology of Reproduction</i> , 2015 , 92, 63	3.9	10
265	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, 680-93	4.8	57
264	Adjudin--A Male Contraceptive with Other Biological Activities. <i>Recent Patents on Endocrine, Metabolic & Immune Drug Discovery</i> , 2015 , 9, 63-73		6
263	Ezrin: a regulator of actin microfilaments in cell junctions of the rat testis. <i>Asian Journal of Andrology</i> , 2015 , 17, 653-8	2.8	12
262	Cell-Cell Interactions, Cell Polarity, and the Blood-Testis Barrier 2015 , 303-326		5
261	Environmental toxicants perturb human Sertoli cell adhesive function via changes in F-actin organization mediated by actin regulatory proteins. <i>Human Reproduction</i> , 2014 , 29, 1279-91	5.7	60
260	Wt1 dictates the fate of fetal and adult Leydig cells during development in the mouse testis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E1131-43	6	37
259	Sertolin mediates blood-testis barrier restructuring. <i>Endocrinology</i> , 2014 , 155, 1520-31	4.8	5

258	Role of non-receptor protein tyrosine kinases in spermatid transport during spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 30, 65-74	7.5	19
257	Ezrin is an actin binding protein that regulates sertoli cell and spermatid adhesion during spermatogenesis. <i>Endocrinology</i> , 2014 , 155, 3981-95	4.8	26
256	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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E553-62	6	24
255	Germ cell transport across the seminiferous epithelium during spermatogenesis. <i>Physiology</i> , 2014 , 29, 286-98	9.8	66
254	Perfluorooctanesulfonate (PFOS) perturbs male rat Sertoli cell blood-testis barrier function by affecting F-actin organization via p-FAK-Tyr(407): an in vitro study. <i>Endocrinology</i> , 2014 , 155, 249-62	4.8	87
253	Fascin 1 is an actin filament-bundling protein that regulates ectoplasmic specialization dynamics in the rat testis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E738-53	6	20
252	Thyroid hormone function in the rat testis. <i>Frontiers in Endocrinology</i> , 2014 , 5, 188	5.7	30
251	N-wasp is required for structural integrity of the blood-testis barrier. <i>PLoS Genetics</i> , 2014 , 10, e1004447	6	23
250	Cytokines, polarity proteins, and endosomal protein trafficking and signaling-the sertoli cell blood-testis barrier system in vitro as a study model. <i>Methods in Enzymology</i> , 2014 , 534, 181-94	1.7	15
249	rpS6 regulates blood-testis barrier dynamics through Akt-mediated effects on MMP-9. <i>Journal of Cell Science</i> , 2014 , 127, 4870-82	5.3	59
248	Toxicants target cell junctions in the testis: Insights from the indazole-carboxylic acid model. <i>Spermatogenesis</i> , 2014 , 4, e981485		53
247	p204-initiated innate antiviral response in mouse Leydig cells. <i>Biology of Reproduction</i> , 2014 , 91, 8	3.9	19
246	Actin binding proteins, spermatid transport and spermiation. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 30, 75-85	7.5	42
245	Intercellular adhesion molecule 1: recent findings and new concepts involved in mammalian spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 29, 43-54	7.5	16
244	New insights into FAK function and regulation during spermatogenesis. <i>Histology and Histopathology</i> , 2014 , 29, 977-89	1.4	16
243	Male contraceptive Adjudin is a potential anti-cancer drug. <i>Biochemical Pharmacology</i> , 2013 , 85, 345-55	6	24
242	Regulation of actin dynamics and protein trafficking during spermatogenesis--insights into a complex process. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013 , 48, 153-72	8.7	37
241	Rictor/mTORC2 regulates blood-testis barrier dynamics via its effects on gap junction communications and actin filament network. <i>FASEB Journal</i> , 2013 , 27, 1137-52	0.9	55

240	Intercellular adhesion molecules (ICAMs) and spermatogenesis. <i>Human Reproduction Update</i> , 2013 , 19, 167-86	15.8	49
239	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	6	41
238	Inhibition of sperm capacitation and fertilizing capacity by adjuvin is mediated by chloride and its channels in humans. <i>Human Reproduction</i> , 2013 , 28, 47-59	5.7	11
237	Intercellular adhesion molecule-2 is involved in apical ectoplasmic specialization dynamics during spermatogenesis in the rat. <i>Journal of Endocrinology</i> , 2013 , 216, 73-86	4.7	15
236	Adjuvin attenuates lipopolysaccharide (LPS)- and ischemia-induced microglial activation. <i>Journal of Neuroimmunology</i> , 2013 , 254, 83-90	3.5	41
235	The apical ES-BTB-BM functional axis is an emerging target for toxicant-induced infertility. <i>Trends in Molecular Medicine</i> , 2013 , 19, 396-405	11.5	25
234	Signalling pathways regulating the blood-testis barrier. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 621-5	5.6	48
233	Palladin is a regulator of actin filament bundles at the ectoplasmic specialization in adult rat testes. <i>Endocrinology</i> , 2013 , 154, 1907-20	4.8	50
232	Breast cancer resistance protein (Bcrp) and the testis--an unexpected turn of events. <i>Asian Journal of Andrology</i> , 2013 , 15, 455-60	2.8	20
231	Breast cancer resistance protein regulates apical ectoplasmic specialization dynamics stage specifically in the rat testis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E757-69	6	10
230	p-FAK-Tyr(397) regulates spermatid adhesion in the rat testis via its effects on F-actin organization at the ectoplasmic specialization. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E687-99	6	44
229	Targeting testis-specific proteins to inhibit spermatogenesis: lesson from endocrine disrupting chemicals. <i>Expert Opinion on Therapeutic Targets</i> , 2013 , 17, 839-55	6.4	46
228	Adjuvin disrupts spermatogenesis by targeting drug transporters: Lesson from the breast cancer resistance protein (BCRP). <i>Spermatogenesis</i> , 2013 , 3, e24993		8
227	Focal adhesion kinase and actin regulatory/binding proteins that modulate F-actin organization at the tissue barrier: Lesson from the testis. <i>Tissue Barriers</i> , 2013 , 1, e24252	4.3	14
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