C Yan Cheng

List of Publications by Citations

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	Sertoli-Sertoli and Sertoli-germ cell interactions and their significance in germ cell movement in the seminiferous epithelium during spermatogenesis. *Endocrine Reviews*, **2004**, 25, 747-806	27.2	631
382	The blood-testis barrier and its implications for male contraception. *Pharmacological Reviews*, **2012**, 64, 16-64	22.5	501
381	Cell junction dynamics in the testis: Sertoli-germ cell interactions and male contraceptive development. *Physiological Reviews*, **2002**, 82, 825-74	47.9	461
380	Cadmium-induced testicular injury. *Toxicology and Applied Pharmacology*, **2009**, 238, 240-9	4.6	299
379	The Mammalian Blood-Testis Barrier: Its Biology and Regulation. *Endocrine Reviews*, **2015**, 36, 564-91	27.2	257
378	The interplay of collagen IV, tumor necrosis factor-alpha, 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. *Endocrinology*, **2003**, 144, 371-87	4.8	200
377	Regulation of blood-testis barrier dynamics: an in vivo study. *Journal of Cell Science*, **2004**, 117, 783-98	5.3	197
376	Antioxidant superoxide dismutase - a review: its function, regulation in the testis, and role in male fertility. *Contraception*, **2002**, 65, 305-11	2.5	196
375	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. *FASEB Journal*, **2008**, 22, 1945-59	0.8	195
374	A local autocrine axis in the testes that regulates spermatogenesis. *Nature Reviews Endocrinology*, **2010**, 6, 380-95	15.2	187
373	Impacts of environmental toxicants on male reproductive dysfunction. *Trends in Pharmacological Sciences*, **2011**, 32, 290-9	13.2	168
372	Transforming growth factor-beta3 perturbs the inter-Sertoli tight junction permeability barrier in vitro possibly mediated via its effects on occludin, zonula occludens-1, and claudin-11. *Endocrinology*, **2001**, 142, 1865-77	4.8	167
371	TGF-beta3 regulates the blood-testis barrier dynamics via the p38 mitogen activated protein (MAP) kinase pathway: an in vivo study. *Endocrinology*, **2003**, 144, 1139-42	4.8	165
370	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?. *Endocrinology*, **2001**, 142, 1878-88	4.8	164
369	Dynamic cross-talk between cells and the extracellular matrix in the testis. *BioEssays*, **2004**, 26, 978-92	4.1	163
368	Tumor necrosis factor {alpha} reversibly disrupts the blood-testis barrier and impairs Sertoli-germ cell adhesion in the seminiferous epithelium of adult rat testes. *Journal of Endocrinology*, **2006**, 190, 313-29	4.7	162
367	Adhering junction dynamics in the testis are regulated by an interplay of beta 1-integrin and focal adhesion complex-associated proteins. *Endocrinology*, **2003**, 144, 2141-63	4.8	160

366	Interactions of proteases, protease inhibitors, and the beta1 integrin/laminin gamma3 protein complex in the regulation of ectoplasmic specialization dynamics in the rat testis. *Biology of Reproduction*, **2004**, 70, 945-64	3.9	160
365	Enhanced chemiluminescence (ECL) for routine immunoblotting: An inexpensive alternative to commercially available kits. *Spermatogenesis*, **2011**, 1, 121-122		157
364	Disruption of the blood-testis barrier integrity by bisphenol A in vitro: is this a suitable model for studying blood-testis barrier dynamics?. *International Journal of Biochemistry and Cell Biology*, **2009**, 41, 2302-14	5.6	155
363	Sertoli-germ cell anchoring junction dynamics in the testis are regulated by an interplay of lipid and protein kinases. *Journal of Biological Chemistry*, **2005**, 280, 25029-47	5.4	152
362	Sertoli cell tight junction dynamics: their regulation during spermatogenesis. *Biology of Reproduction*, **2003**, 68, 1087-97	3.9	149
361	Biology and regulation of ectoplasmic specialization, an atypical adherens junction type, in the testis. *Biochimica Et Biophysica Acta - Biomembranes*, **2008**, 1778, 692-708	3.8	147
360	Disruption of Mtmr2 produces CMT4B1-like neuropathy with myelin outfolding and impaired spermatogenesis. *Journal of Cell Biology*, **2004**, 167, 711-21	7.3	146
359	Is the cadherin/catenin complex a functional unit of cell-cell actin-based adherens junctions in the rat testis?. *Biology of Reproduction*, **2003**, 68, 489-508	3.9	141
358	The blood-testis barrier: its biology, regulation, and physiological role in spermatogenesis. *Current Topics in Developmental Biology*, **2005**, 71, 263-96	5.3	140
357	Two new male contraceptives exert their effects by depleting germ cells prematurely from the testis. *Biology of Reproduction*, **2001**, 65, 449-61	3.9	139
356	TGF-beta3 and TNFalpha perturb blood-testis barrier (BTB) dynamics by accelerating the clathrin-mediated endocytosis of integral membrane proteins: a new concept of BTB regulation during spermatogenesis. *Developmental Biology*, **2009**, 327, 48-61	3.1	135
355	Transforming growth factor beta3 regulates the dynamics of Sertoli cell tight junctions via the p38 mitogen-activated protein kinase pathway. *Biology of Reproduction*, **2003**, 68, 1597-612	3.9	135
354	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. *FASEB Journal*, **2009**, 23, 2555-67	0.9	127
353	Regulation of spermatogenesis in the microenvironment of the seminiferous epithelium: new insights and advances. *Molecular and Cellular Endocrinology*, **2010**, 315, 49-56	4.4	126
352	Ectoplasmic specialization: a friend or a foe of spermatogenesis?. *BioEssays*, **2007**, 29, 36-48	4.1	124
351	Restricted Arp3 expression in the testis prevents blood-testis barrier disruption during junction restructuring at spermatogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11411-6	11.5	122
350	Anchoring junctions as drug targets: role in contraceptive development. *Pharmacological Reviews*, **2008**, 60, 146-80	22.5	120
349	Connexin 43 is critical to maintain the homeostasis of the blood-testis barrier via its effects on tight junction reassembly. *Proceedings of the National Academy of Sciences of the United States of America* , **2010**, 107, 17998-8003	11.5	119

348	Connexin 43 and plakophilin-2 as a protein complex that regulates blood-testis barrier dynamics. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 10213-8	11.5	119
347	AF-2364 [1-(2,4-dichlorobenzyl)-1H-indazole-3-carbohydrazide] is a potential male contraceptive: a review of recent data. *Contraception*, **2005**, 72, 251-61	2.5	118
346	Laminin alpha 3 forms a complex with beta3 and gamma3 chains that serves as the ligand for alpha 6beta1-integrin at the apical ectoplasmic specialization in adult rat testes. *Journal of Biological Chemistry*, **2006**, 281, 17286-17303	5.4	117
345	Mitogen-activated protein kinases in male reproductive function. *Trends in Molecular Medicine*, **2009**, 15, 159-68	11.5	116
344	An autocrine axis in the testis that coordinates spermiation and blood-testis barrier restructuring during spermatogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 8950-5	11.5	115
343	Sertoli-germ cell junctions in the testis: a review of recent data. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1593-605	5.8	110
342	Regulation of Sertoli cell tight junction dynamics in the rat testis via the nitric oxide synthase/soluble guanylate cyclase/3',5'-cyclic guanosine monophosphate/protein kinase G signaling pathway: an in vitro study. *Endocrinology*, **2003**, 144, 3114-29	4.8	109
341	Par3/Par6 polarity complex coordinates apical ectoplasmic specialization and blood-testis barrier restructuring during spermatogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 9657-62	11.5	108
340	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, 349-69	15.8	107
339	Cell-cell interactions at the ectoplasmic specialization in the testis. *Trends in Endocrinology and Metabolism*, **2004**, 15, 439-47	8.8	107
338	An in vitro system to study Sertoli cell blood-testis barrier dynamics. *Methods in Molecular Biology*, **2011**, 763, 237-52	1.4	104
337	Environmental toxicants and male reproductive function. *Spermatogenesis*, **2011**, 1, 2-13		103
336	Focal adhesion kinase is a blood-testis barrier regulator. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 9298-303	11.5	102
335	Zyxin, axin, and Wiskott-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, 200-15		102
334	Cytoskeletal dynamics and spermatogenesis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1581-92	5.8	100
333	A male contraceptive targeting germ cell adhesion. *Nature Medicine*, **2006**, 12, 1323-8	50.5	100
332	Reversible inhibition of spermatogenesis in rats using a new male contraceptive, 1-(2,4-dichlorobenzyl)-indazole-3-carbohydrazide. *Biology of Reproduction*, **2001**, 64, 1500-8	3.9	100
331	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. *Biology of Reproduction*, **2001**, 65, 1340-51	3.9	97

330	The Warburg effect revisited--lesson from the Sertoli cell. *Medicinal Research Reviews*, **2015**, 35, 126-51	14.4	96
329	Focal adhesion kinase-Tyr407 and -Tyr397 exhibit antagonistic effects on blood-testis barrier dynamics in the rat. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12562-7	11.5	96
328	Mitogen-activated protein kinases, adherens junction dynamics, and spermatogenesis: a review of recent data. *Developmental Biology*, **2005**, 286, 1-15	3.1	96
327	An intracellular trafficking pathway in the seminiferous epithelium regulating spermatogenesis: a biochemical and molecular perspective. *Critical Reviews in Biochemistry and Molecular Biology*, **2009**, 44, 245-63	8.7	94
326	An occludin-focal adhesion kinase protein complex at the blood-testis barrier: a study using the cadmium model. *Endocrinology*, **2009**, 150, 3336-44	4.8	91
325	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, 11722-7	11.5	91
324	TGF-beta3 regulates anchoring junction dynamics in the seminiferous epithelium of the rat testis via the Ras/ERK signaling pathway: An in vivo study. *Developmental Biology*, **2005**, 280, 321-43	3.1	90
323	Identification of hormonally responsive proteins in primary Sertoli cell culture medium by anion-exchange high performance liquid chromatography. *Endocrinology*, **1986**, 118, 480-8	4.8	89
322	Regulation of ectoplasmic specialization dynamics in the seminiferous epithelium by focal adhesion-associated proteins in testosterone-suppressed rat testes. *Endocrinology*, **2005**, 146, 1192-204	4.8	88
321	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. *Endocrinology*, **2014**, 155, 249-62	4.8	87
320	Sertoli-germ cell adherens junction dynamics in the testis are regulated by RhoB GTPase via the ROCK/LIMK signaling pathway. *Biology of Reproduction*, **2003**, 68, 2189-206	3.9	87
319	Characterization and functionality of proliferative human Sertoli cells. *Cell Transplantation*, **2011**, 20, 619-35	4	86
318	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, 21040-53	5.4	86
317	Prostatic ductal system in rats: regional variation in localization of an androgen-repressed gene product, sulfated glycoprotein-2. *Endocrinology*, **1991**, 128, 2091-102	4.8	85
316	Fer kinase/FerT and adherens junction dynamics in the testis: an in vitro and in vivo study. *Biology of Reproduction*, **2003**, 69, 656-72	3.9	83
315	Claudin and occludin expression and function in the seminiferous epithelium. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1679-96	5.8	82
314	Crosstalk between desmoglein-2/desmocollin-2/Src kinase and coxsackie and adenovirus receptor/ZO-1 protein complexes, regulates blood-testis barrier dynamics. *International Journal of Biochemistry and Cell Biology*, **2010**, 42, 975-86	5.6	82
313	Regulation of spermiogenesis, spermiation and blood-testis barrier dynamics: novel insights from studies on Eps8 and Arp3. *Biochemical Journal*, **2011**, 435, 553-62	3.8	80

312	Regulation of Sertoli-germ cell adherens junction dynamics via changes in protein-protein interactions of the N-cadherin-beta-catenin protein complex which are possibly mediated by c-Src and myotubularin-related protein 2: an in vivo study using an androgen suppression model. *Endocrinology*, **2005**, 146, 1268-84	4.8	79
311	Structural analysis of clusterin and its subunits in ram rete testis fluid. *Biochemistry*, **1988**, 27, 4079-88	3.2	79
310	Differential interactions between transforming growth factor-beta3/TbetaR1, TAB1, and CD2AP disrupt blood-testis barrier and Sertoli-germ cell adhesion. *Journal of Biological Chemistry*, **2006**, 281, 16799-813	5.4	78
309	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	3.4	78
308	TGF-betas: their role in testicular function and Sertoli cell tight junction dynamics. *Journal of Developmental and Physical Disabilities*, **2003**, 26, 147-60		77
307	Cytokines and junction restructuring during spermatogenesis--a lesson to learn from the testis. *Cytokine and Growth Factor Reviews*, **2005**, 16, 469-93	17.9	75
306	Protein kinases and adherens junction dynamics in the seminiferous epithelium of the rat testis. *Journal of Cellular Physiology*, **2005**, 202, 344-60	7	74
305	Regulation of blood-testis barrier dynamics by TGF-beta3 is a Cdc42-dependent protein trafficking event. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11399-404	11.5	73
304	Nitric oxide/nitric oxide synthase, spermatogenesis, and tight junction dynamics. *Biology of Reproduction*, **2004**, 70, 267-76	3.9	73
303	Extracellular matrix: recent advances on its role in junction dynamics in the seminiferous epithelium during spermatogenesis. *Biology of Reproduction*, **2004**, 71, 375-91	3.9	73
302	Cancer/testis (CT) antigens, carcinogenesis and spermatogenesis. *Spermatogenesis*, **2011**, 1, 209-220		72
301	Ability of trypsin in mimicking germ cell factors that affect Sertoli cell secretory function. *Journal of Cellular Physiology*, **1996**, 168, 123-33	7	72
300	Sertoli cell synthesizes and secretes a protease inhibitor, alpha 2-macroglobulin. *Biochemistry*, **1990** , 29, 1063-8	3.2	72
299	Development, function and fate of fetal Leydig cells. *Seminars in Cell and Developmental Biology*, **2016**, 59, 89-98	7.5	70
298	Differential effects of testosterone and TGF-β on endocytic vesicle-mediated protein trafficking events at the blood-testis barrier. *Experimental Cell Research*, **2010**, 316, 2945-60	4.2	70
297	Interleukin 1 alpha (IL1A) is a novel regulator of the blood-testis barrier in the rat. *Biology of Reproduction*, **2008**, 78, 445-54	3.9	69
296	Polarity proteins and cell-cell interactions in the testis. *International Review of Cell and Molecular Biology*, **2009**, 278, 309-53	6	68
295	Drug transporter, P-glycoprotein (MDR1), is an integrated component of the mammalian blood-testis barrier. *International Journal of Biochemistry and Cell Biology*, **2009**, 41, 2578-87	5.6	67

294	Blood-testis barrier dynamics are regulated by {alpha}2-macroglobulin via the c-Jun N-terminal protein kinase pathway. *Endocrinology*, **2005**, 146, 1893-908	4.8	67
293	Study on the formation of specialized inter-Sertoli cell junctions in vitro. *Journal of Cellular Physiology*, **1999**, 181, 258-72	7	67
292	Germ cell transport across the seminiferous epithelium during spermatogenesis. *Physiology*, **2014**, 29, 286-98	9.8	66
291	Drug transporters, the blood-testis barrier, and spermatogenesis. *Journal of Endocrinology*, **2011**, 208, 207-23	4.7	66
290	Emerging role for drug transporters at the blood-testis barrier. *Trends in Pharmacological Sciences*, **2011**, 32, 99-106	13.2	65
289	Cytokines and junction restructuring events during spermatogenesis in the testis: an emerging concept of regulation. *Cytokine and Growth Factor Reviews*, **2009**, 20, 329-38	17.9	65
288	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. *Journal of Biological Chemistry*, **1997**, 272, 6499-509	5.4	65
287	Adjudin, a potential male contraceptive, exerts its effects locally in the seminiferous epithelium of mammalian testes. *Reproduction*, **2011**, 141, 571-80	3.8	64
286	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, 651-65	5.6	63
285	rpS6 Regulates blood-testis barrier dynamics by affecting F-actin organization and protein recruitment. *Endocrinology*, **2012**, 153, 5036-48	4.8	63
284	Coxsackie and adenovirus receptor (CAR) is a product of Sertoli and germ cells in rat testes which is localized at the Sertoli-Sertoli and Sertoli-germ cell interface. *Experimental Cell Research*, **2007**, 313, 1373-92	4.2	63
283	Regulation of microtubule (MT)-based cytoskeleton in the seminiferous epithelium during spermatogenesis. *Seminars in Cell and Developmental Biology*, **2016**, 59, 35-45	7.5	60
282	Environmental toxicants perturb human Sertoli cell adhesive function via changes in F-actin organization mediated by actin regulatory proteins. *Human Reproduction*, **2014**, 29, 1279-91	5.7	60
281	rpS6 regulates blood-testis barrier dynamics through Akt-mediated effects on MMP-9. *Journal of Cell Science*, **2014**, 127, 4870-82	5.3	59
280	Sertoli cells are the target of environmental toxicants in the testis - a mechanistic and therapeutic insight. *Expert Opinion on Therapeutic Targets*, **2015**, 19, 1073-90	6.4	58
279	A peptide derived from laminin-β3 reversibly impairs spermatogenesis in rats. *Nature Communications*, **2012**, 3, 1185	17.4	58
278	Regulation of cell junction dynamics by cytokines in the testis: a molecular and biochemical perspective. *Cytokine and Growth Factor Reviews*, **2007**, 18, 299-311	17.9	58
277	Diverse secretory patterns of clusterin by epididymis and prostate/seminal vesicles undergoing cell regression after orchiectomy. *Endocrinology*, **1990**, 126, 2989-97	4.8	58

276	EB1 regulates tubulin and actin cytoskeletal networks at the sertoli cell blood-testis barrier in male rats: an in vitro study. *Endocrinology*, **2015**, 156, 680-93	4.8	57
275	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. *Journal of Cellular Physiology*, **2005**, 205, 141-57	7	57
274	Egress of sperm autoantigen from seminiferous tubules maintains systemic tolerance. *Journal of Clinical Investigation*, **2017**, 127, 1046-1060	15.9	57
273	Rictor/mTORC2 regulates blood-testis barrier dynamics via its effects on gap junction communications and actin filament network. *FASEB Journal*, **2013**, 27, 1137-52	0.9	55
272	Extracellular matrix and its role in spermatogenesis. *Advances in Experimental Medicine and Biology*, **2008**, 636, 74-91	3.6	55
271	Toxicants target cell junctions in the testis: Insights from the indazole-carboxylic acid model. *Spermatogenesis*, **2014**, 4, e981485		53
270	Adjudin protects rodent cochlear hair cells against gentamicin ototoxicity via the SIRT3-ROS pathway. *Scientific Reports*, **2015**, 5, 8181	4.9	52
269	The biology of spermatogenesis: the past, present and future. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1459-63	5.8	52
268	rpS6 regulates blood-testis barrier dynamics through Arp3-mediated actin microfilament organization in rat sertoli cells. An in vitro study. *Endocrinology*, **2015**, 156, 1900-13	4.8	51
267	14-3-3 Protein regulates cell adhesion in the seminiferous epithelium of rat testes. *Endocrinology*, **2009**, 150, 4713-23	4.8	51
266	A seamless trespass: germ cell migration across the seminiferous epithelium during spermatogenesis. *Journal of Cell Biology*, **2007**, 178, 549-56	7.3	51
265	Adaptors, junction dynamics, and spermatogenesis. *Biology of Reproduction*, **2004**, 71, 392-404	3.9	51
264	Palladin is a regulator of actin filament bundles at the ectoplasmic specialization in adult rat testes. *Endocrinology*, **2013**, 154, 1907-20	4.8	50
263	Interleukin-1alpha is a regulator of the blood-testis barrier. *FASEB Journal*, **2011**, 25, 1244-53	0.9	50
262	Role of tissue inhibitor of metalloproteases-1 in junction dynamics in the testis. *Journal of Andrology*, **2003**, 24, 510-23		50
261	Identification of gonadotropin surge-inhibiting factor (GnSIF) in follicular fluid and its differentiation from inhibin. *Biology of Reproduction*, **1987**, 37, 1075-82	3.9	50
260	Sex hormone-binding globulin changes during the menstrual cycle. *Journal of Clinical Endocrinology and Metabolism*, **1985**, 61, 993-6	5.6	50
259	Transforming Growth Factor-β Perturbs the Inter-Sertoli Tight Junction Permeability Barrier in Vitro Possibly Mediated via Its Effects on Occludin, Zonula Occludens-1, and Claudin-11		50

258	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?		50
257	Intercellular adhesion molecules (ICAMs) and spermatogenesis. *Human Reproduction Update*, **2013**, 19, 167-86	15.8	49
256	Regulation of blood-testis barrier dynamics by desmosome, gap junction, hemidesmosome and polarity proteins: An unexpected turn of events. *Spermatogenesis*, **2011**, 1, 105-115		49
255	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). *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 19623-8	11.5	49
254	Interactions among IQGAP1, Cdc42, and the cadherin/catenin protein complex regulate Sertoli-germ cell adherens junction dynamics in the testis. *Journal of Cellular Physiology*, **2005**, 202, 49-66	7	49
253	Demonstration of heavy and light protomers of human testosterone-estradiol-binding globulin. *The Journal of Steroid Biochemistry*, **1983**, 19, 1379-89		49
252	Signalling pathways regulating the blood-testis barrier. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 621-5	5.6	48
251	The biology of the desmosome-like junction a versatile anchoring junction and signal transducer in the seminiferous epithelium. *International Review of Cell and Molecular Biology*, **2011**, 286, 223-69	6	48
250	Junction restructuring and spermatogenesis: the biology, regulation, and implication in male contraceptive development. *Current Topics in Developmental Biology*, **2008**, 80, 57-92	5.3	48
249	Regulation of Sertoli-germ cell adherens junction dynamics in the testis via the nitric oxide synthase (NOS)/cGMP/protein kinase G (PRKG)/beta-catenin (CATNB) signaling pathway: an in vitro and in vivo study. *Biology of Reproduction*, **2005**, 73, 458-71	3.9	48
248	Rat testin is a newly identified component of the junctional complexes in various tissues whose mRNA is predominantly expressed in the testis and ovary. *Biology of Reproduction*, **1995**, 52, 340-55	3.9	48
247	Coordination of Actin- and Microtubule-Based Cytoskeletons Supports Transport of Spermatids and Residual Bodies/Phagosomes During Spermatogenesis in the Rat Testis. *Endocrinology*, **2016**, 157, 1644-59	4.8	47
246	Microtubule affinity-regulating kinase 4 (MARK4) is a component of the ectoplasmic specialization in the rat testis. *Spermatogenesis*, **2012**, 2, 117-126		47
245	Targeting testis-specific proteins to inhibit spermatogenesis: lesson from endocrine disrupting chemicals. *Expert Opinion on Therapeutic Targets*, **2013**, 17, 839-55	6.4	46
244	Dynamin II interacts with the cadherin- and occludin-based protein complexes at the blood-testis barrier in adult rat testes. *Journal of Endocrinology*, **2006**, 191, 571-86	4.7	46
243	MAP/microtubule affinity-regulating kinases, microtubule dynamics, and spermatogenesis. *Journal of Endocrinology*, **2013**, 217, R13-23	4.7	45
242	Crosstalk between Sertoli and Germ Cells in Male Fertility. *Trends in Molecular Medicine*, **2020**, 26, 215-231	11.5	45
241	p-FAK-Tyr(397) 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, E687-99	6	44

240	Coordinating cellular events during spermatogenesis: a biochemical model. *Trends in Biochemical Sciences*, **2009**, 34, 366-73	10.3	44
239	Male germ cells support long-term propagation of Zika virus. *Nature Communications*, **2018**, 9, 2090	17.4	44
238	Gap junctions and blood-tissue barriers. *Advances in Experimental Medicine and Biology*, **2012**, 763, 260-89	3.6	44
237	Drug transporters and blood--testis barrier function. *Journal of Endocrinology*, **2011**, 209, 337-51	4.7	43
236	C-type natriuretic peptide regulates blood-testis barrier dynamics in adult rat testes. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3841-6	11.5	43
235	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	4.9	43
234	Actin binding proteins, spermatid transport and spermiation. *Seminars in Cell and Developmental Biology*, **2014**, 30, 75-85	7.5	42
233	F5-peptide induces aspermatogenesis by disrupting organization of actin- and microtubule-based cytoskeletons in the testis. *Oncotarget*, **2016**, 7, 64203-64220	3.3	42
232	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. *International Review of Cell and Molecular Biology*, **2013**, 301, 291-358	6	41
231	Adjudin attenuates lipopolysaccharide (LPS)- and ischemia-induced microglial activation. *Journal of Neuroimmunology*, **2013**, 254, 83-90	3.5	41
230	Polarity protein complex Scribble/Lgl/Dlg and epithelial cell barriers. *Advances in Experimental Medicine and Biology*, **2012**, 763, 149-70	3.6	41
229	c-Yes regulates cell adhesion at the apical ectoplasmic specialization-blood-testis barrier axis via its effects on protein recruitment and distribution. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E145-59	6	40
228	The Scribble/Lgl/Dlg polarity protein complex is a regulator of blood-testis barrier dynamics and spermatid polarity during spermatogenesis. *Endocrinology*, **2012**, 153, 6041-53	4.8	40
227	Targeted and reversible disruption of the blood-testis barrier by an FSH mutant-occludin peptide conjugate. *FASEB Journal*, **2007**, 21, 438-48	0.9	40
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