

# CITATION REPORT

List of articles citing

Influence of maternal age on meiotic spindle assembly in oocytes from naturally cycling women

DOI: 10.1093/oxfordjournals.humrep.a019080  
Human Reproduction, 1996, 11, 2217-22.

**Source:** <https://exaly.com/paper-pdf/27701664/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
513	Changes in centrosomal domains during meiotic maturation in the human oocyte. <b>1996</b> , 2, 845-51		39
512	Prepregnancy genetic testing for age-related aneuploidies by polar body analysis. <b>1997</b> , 1, 231-5		32
511	Infertility and early pregnancy loss is largely due to oocyte aging, not uterine senescence, as demonstrated by oocyte donation. <b>1997</b> , 828, 166-74		11
510	Epigenetic influences on oocyte developmental competence: perifollicular vascularity and intrafollicular oxygen. <i>Journal of Assisted Reproduction and Genetics</i> , <b>1998</b> , 15, 226-34	3.4	61
509	The control of mammalian female meiosis: factors that influence chromosome segregation. <i>Journal of Assisted Reproduction and Genetics</i> , <b>1998</b> , 15, 246-52	3.4	16
508	Preimplantation diagnosis of common aneuploidies by the first- and second-polar body FISH analysis. <i>Journal of Assisted Reproduction and Genetics</i> , <b>1998</b> , 15, 285-9	3.4	86
507	Outcome comparison of in vitro fertilization treatment with highly purified subcutaneous follicle-stimulating hormone (Fertinex, a urofollitropin) versus intramuscular menotropins. <b>1998</b> , 179, 299-307		1
506	Ovarian follicular dynamics: from basic science to clinical practice. <b>1998</b> , 39, 29-61		24
505	Declining fecundity and ovarian ageing in natural fertility populations. <b>1998</b> , 30, 127-36		103
504	Ovarian reserve tests in infertility practice and normal fertile women. <b>1998</b> , 30, 205-14		50
503	Apolipoprotein E epsilon 4 alleles and meiotic origin of non-disjunction in Down syndrome children and in their corresponding fathers and mothers. <b>1998</b> , 248, 1-4		8
502	Maturation in vitro of immature human oocytes for clinical use. <b>1998</b> , 4, 103-20		270
501	Inhibin-B: the physiologic basis of the clomiphene citrate challenge test for ovarian reserve screening. <b>1998</b> , 69, 474-7		68
500	Effects of ovarian source, patient age, and menstrual cycle phase on in vitro maturation of immature human oocytes. <b>1998</b> , 70, 1015-21		19
499	Antioxidant therapy counteracts the disturbing effects of diamide and maternal ageing on meiotic division and chromosomal segregation in mouse oocytes. <b>1998</b> , 4, 281-8		57
498	Ageing and social rank effects on the reproductive system of free-ranging yellow baboons ( <i>Papio cynocephalus</i> ) at Mikumi National Park, Tanzania. <b>1998</b> , 4, 430-8		44
497	Mitochondrial transfer between oocytes: potential applications of mitochondrial donation and the issue of heteroplasmy. <i>Human Reproduction</i> , <b>1998</b> , 13, 2857-68	5.7	148

496	The meiotic competence of in-vitro matured human oocytes is influenced by donor age: evidence that folliculogenesis is compromised in the reproductively aged ovary. <i>Human Reproduction</i> , <b>1998</b> , 13, 154-60	5-7	205
495	DNA strand breaks and phosphatidylserine redistribution in newly ovulated and cultured mouse and human oocytes: occurrence and relationship to apoptosis. <i>Human Reproduction</i> , <b>1998</b> , 13, 1317-24	5-7	66
494	A reliable technique of nuclear transplantation for immature mammalian oocytes. <i>Human Reproduction</i> , <b>1999</b> , 14, 1312-7	5-7	58
493	Vitrification of mouse germinal vesicle oocytes: effect of treatment temperature and egg yolk on chromatin and spindle normality and cumulus integrity. <i>Human Reproduction</i> , <b>1999</b> , 14, 400-8	5-7	66
492	Prevention of age-related aneuploidies by polar body testing of oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , <b>1999</b> , 16, 165-9	3-4	73
491	Cytokines in older patients undergoing in vitro fertilization: the relationship to the response to controlled ovarian hyperstimulation. <i>Journal of Assisted Reproduction and Genetics</i> , <b>1999</b> , 16, 247-52	3-4	6
490	The pattern of infertility diagnoses in women of advanced reproductive age. <b>1999</b> , 181, 952-7		50
489	Antral follicle counts by transvaginal ultrasonography are related to age in women with proven natural fertility. <b>1999</b> , 72, 845-51		303
488	The first polar body does not predict accurately the location of the metaphase II meiotic spindle in mammalian oocytes. <b>1999</b> , 71, 719-21		101
487	In vitro maturation of human preovulatory oocytes reconstructed by germinal vesicle transfer. <b>1999</b> , 71, 726-31		126
486	Aspirin and reproductive performance?. <b>1999</b> , 72, 752-3; author reply 754-5		0
485	Correspondence. <b>1999</b> , 72, 753		
484	Age and reproduction. <b>1999</b> , 7, 61-69		6
483	Configuration of maternal and paternal chromatin and pertaining microtubules in human oocytes failing to fertilize after intracytoplasmic sperm injection. <b>2000</b> , 55, 197-204		30
482	Neues in der assistierten Reproduktion. <b>2000</b> , 16, 103-115		0
481	Smoking and reproduction: gene damage to human gametes and embryos. <b>2000</b> , 6, 122-31		286
480	Chromosomal non-disjunction in human oocytes: is there a mitochondrial connection?. <i>Human Reproduction</i> , <b>2000</b> , 15 Suppl 2, 160-72	5-7	106
479	Intrafollicular influences on human oocyte developmental competence: perifollicular vascularity, oocyte metabolism and mitochondrial function. <i>Human Reproduction</i> , <b>2000</b> , 15 Suppl 2, 173-88	5-7	107

478	Alternative sources of gametes: reality or science fiction?. <i>Human Reproduction</i> , <b>2000</b> , 15, 988-98	5.7	65
477	Ovarian follicular concentrations of activin, follistatin, inhibin, insulin-like growth factor I (IGF-I), IGF-II, IGF-binding protein-2 (IGFBP-2), IGFBP-3, and vascular endothelial growth factor in spontaneous menstrual cycles of normal women of advanced reproductive age. <b>2000</b> , 85, 4520-5		68
476	Surface-expressed E-cadherin, and mitochondrial and microtubule distribution in rescue of mouse embryos from 2-cell block by aggregation. <b>2000</b> , 6, 454-64		27
475	ICSI outcome in patients of 40 years age and over: a retrospective analysis. <b>2000</b> , 91, 177-82		14
474	Trisomic pregnancy and earlier age at menopause. <b>2000</b> , 67, 395-404		88
473	Results of assisted reproduction techniques in Latin America. <b>2001</b> , 2, 129-137		1
472	The spindle observation and its relationship with fertilization after intracytoplasmic sperm injection in living human oocytes. <b>2001</b> , 75, 348-53		187
471	Poor embryo quality: The answer lies (mostly) in the egg. <b>2001</b> , 75, 466-8		13
470	Effects of chilling to 0 degrees C on the morphology of meiotic spindles in human metaphase II oocytes. <b>2001</b> , 75, 769-77		147
469	Reproductive outcome in patients with diminished ovarian reserve. <b>2001</b> , 76, 666-9		188
468	The origin of abnormalities in recurrent aneuploidy/polyploidy. <b>2001</b> , 69, 1245-54		70
467	Chromosomal abnormalities in the first and second polar body. <b>2001</b> , 183 Suppl 1, S47-9		41
466	[Smoking and ovarian fertility]. <b>2001</b> , 29, 881-7		6
465	Maturation of the reconstructed oocytes by germinal vesicle transfer in rabbits and mice. <b>2001</b> , 56, 855-66		8
464	Doppler ultrasonography and implantation: a critical review. <b>2001</b> , 16, 327-32		16
463	Assistierte Reproduktion bei Frauen mit einer beginnenden Perimenopause. <b>2001</b> , 17, 10-19		1
462	Die Anwendung der Technik des Assisted Hatching. <b>2001</b> , 17, 112-115		2
461	Chromosomal anomalies in human gametes and pre-implantation embryos, and their potential effect on reproduction. <b>2001</b> , 33, 249-65		16

460	Embryo quality and developmental potential is compromised by age. <b>2001</b> , 80, 169-74		66
459	Double locus analysis of chromosome 21 for preimplantation genetic diagnosis of aneuploidy. <b>2001</b> , 21, 1080-5		46
458	Viable rabbits derived from reconstructed oocytes by germinal vesicle transfer after intracytoplasmic sperm injection (ICSI). <b>2001</b> , 58, 180-5		51
457	Fertility and maternal age strategies to improve pregnancy outcome. <b>2001</b> , 943, 26-33		11
456	To err (meiotically) is human: the genesis of human aneuploidy. <b>2001</b> , 2, 280-91		1748
455	Chromosomal anomalies in human gametes and pre-implantation embryos, and their potential effect on reproduction. <b>2001</b> , 33, 249-265		1
454	Assessing fertility in women of advanced reproductive age. <b>2001</b> , 185, 758-70		88
453	In vitro fertilisation of mouse oocytes reconstructed by transfer of metaphase II chromosomes results in live births. <b>2001</b> , 9, 9-14		44
452	Preliminary findings in germinal vesicle transplantation of immature human oocytes. <i>Human Reproduction</i> , <b>2001</b> , 16, 730-6	5:7	50
451	Effects of low O <sub>2</sub> and ageing on spindles and chromosomes in mouse oocytes from pre-antral follicle culture. <i>Human Reproduction</i> , <b>2001</b> , 16, 737-48	5:7	93
450	Epigenetic and experimental modifications in early mammalian development: part I. Preface. <b>2001</b> , 7, 211-6		4
449	Limited recovery of meiotic spindles in living human oocytes after cooling-rewarming observed using polarized light microscopy. <i>Human Reproduction</i> , <b>2001</b> , 16, 2374-8	5:7	229
448	Differential effects of repeated ovarian stimulation on cytoplasmic and spindle organization in metaphase II mouse oocytes matured in vivo and in vitro. <i>Human Reproduction</i> , <b>2001</b> , 16, 757-64	5:7	71
447	Spindle observation in living mammalian oocytes with the polarization microscope and its practical use. <b>2002</b> , 4, 269-76		38
446	Technical approaches to correction of oocyte aneuploidy. <i>Human Reproduction</i> , <b>2002</b> , 17, 2165-73	5:7	58
445	Ageing-associated aberration in meiosis of oocytes from senescence-accelerated mice. <i>Human Reproduction</i> , <b>2002</b> , 17, 2678-85	5:7	109
444	Young age does not protect against the adverse effects of reduced ovarian reserve--an eight year study. <i>Human Reproduction</i> , <b>2002</b> , 17, 1519-24	5:7	111
443	Safeguarding ART. <b>2002</b> , 4 Suppl, s19-22		20

442	Is there a link between an extremely poor response to ovarian hyperstimulation and early ovarian failure?. <i>Human Reproduction</i> , <b>2002</b> , 17, 1106-11	5-7	68
441	Biological versus chronological ageing of oocytes, distinguishable by raised FSH levels in relation to the success of IVF treatment. <i>Human Reproduction</i> , <b>2002</b> , 17, 2003-8	5-7	71
440	Experimental evidence that changes in oocyte growth influence meiotic chromosome segregation. <i>Human Reproduction</i> , <b>2002</b> , 17, 1171-80	5-7	109
439	Rigorous thermal control during intracytoplasmic sperm injection stabilizes the meiotic spindle and improves fertilization and pregnancy rates. <b>2002</b> , 77, 1274-7		88
438	Aging and infertility in women: a committee opinion. <b>2002</b> , 78, 215-9		24
437	Prediction of chromosome misalignment among in vitro matured human oocytes by spindle imaging with the PolScope. <b>2002</b> , 78, 1077-81		73
436	Manipulation of the oocyte: possible damage to the spindle apparatus. <b>2002</b> , 5, 117-24		127
435	Diagnostics in assisted human reproduction. <b>2002</b> , 5, 198-210		13
434	Oocyte-induced haploidization. <b>2002</b> , 4, 237-42		42
433	Ovarian ageing and the menopausal transition. <b>2002</b> , 16, 263-76		4
432	The variability of female reproductive ageing. <b>2002</b> , 8, 141-54		823
431	Biochemical screening for aneuploidy in ovum donor pregnancies. <b>2002</b> , 187, 1222-5		4
430	Predictive power of clomiphene citrate challenge test for failure of in vitro fertilization treatment. <b>2002</b> , 81, 954-61		24
429	Donor oocyte cytoplasmic transfer did not enhance implantation of embryos of women with poor ovarian reserve. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2002</b> , 19, 113-7	3-4	8
428	Different probe combinations for assessment of postzygotic chromosomal imbalances in human embryos. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2002</b> , 19, 177-82	3-4	13
427	Perimenopausal conception. <b>2003</b> , 997, 93-104		37
426	Human meiosis: model organisms address the maternal age effect. <b>2003</b> , 13, R305-7		4
425	Subfertility: causes, treatment and outcome. <b>2003</b> , 17, 169-85		62

424	Implantation in patients over 40 and raising FSH levels--a review. <b>2003</b> , 24 Suppl B, S34-8		8
423	Analysis of nine chromosome probes in first polar bodies and metaphase II oocytes for the detection of aneuploidies. <b>2003</b> , 11, 325-36		63
422	Karyotyping of human metaphase II oocytes by multicolor fluorescence in situ hybridization. <b>2003</b> , 80, 1003-11		28
421	Imaging meiotic spindles by polarization light microscopy: principles and applications to IVF. <b>2003</b> , 7, 24-9		97
420	Chromosomal abnormalities in a series of 6,733 human oocytes in preimplantation diagnosis for age-related aneuploidies. <b>2003</b> , 6, 54-9		205
419	Origins and manifestations of oocyte maturation competencies. <b>2003</b> , 6, 410-5		116
418	FISH analysis for chromosomes 13, 16, 18, 21, 22, X and Y in all blastomeres of IVF pre-embryos from 144 randomly selected donated human oocytes and impact on pre-embryo morphology. <i>Human Reproduction</i> , <b>2003</b> , 18, 2575-81	5-7	91
417	Visualization of the metaphase II meiotic spindle in living human oocytes using the Polscope enables the prediction of embryonic developmental competence after ICSI. <i>Human Reproduction</i> , <b>2003</b> , 18, 817-20	5-7	122
416	Age-related decline in fertility. <b>2003</b> , 32, 669-88		66
415	Age-related changes in ovarian volume, antral follicle counts and basal follicle stimulating hormone levels: comparison between fertile and infertile women. <b>2003</b> , 17, 199-205		30
414	Distinctions in meiotic spindle structure and assembly during in vitro and in vivo maturation of mouse oocytes. <b>2003</b> , 69, 2059-67		122
413	Development of mouse embryos derived from oocytes reconstructed by metaphase I spindle transfer. <b>2003</b> , 11, 53-9		6
412	Poor response to ovulation induction is a stronger predictor of early menopause than elevated basal FSH: a life table analysis. <i>Human Reproduction</i> , <b>2003</b> , 18, 527-33	5-7	91
411	Effect of the position of the meiotic spindle on the outcome of intracytoplasmic sperm injection. <b>2003</b> , 6, 19-22		13
410	The births of five Spanish babies from cryopreserved donated oocytes. <i>Human Reproduction</i> , <b>2003</b> , 18, 1417-21	5-7	93
409	Distinct microtubule and chromatin characteristics of human oocytes after failed in-vivo and in-vitro meiotic maturation. <i>Human Reproduction</i> , <b>2003</b> , 18, 2124-30	5-7	46
408	Impaired folliculogenesis and ovulation in older reproductive aged women. <b>2003</b> , 88, 5502-9		102
407	The role of preimplantation genetic diagnosis in women of advanced reproductive age. <b>2003</b> , 15, 233-8		25

406	The effect of female age on the likelihood of a live birth from one in-vitro fertilisation treatment. <b>2003</b> , 178, 258-261		44
405	. <b>2004</b> ,		17
404	Nuclear origin of aging-associated meiotic defects in senescence-accelerated mice. <b>2004</b> , 71, 1724-9		38
403	Preantral follicle culture as a novel in vitro assay in reproductive toxicology testing in mammalian oocytes. <b>2004</b> , 19, 13-25		49
402	Spindle imaging in living mammalian oocytes using the liquid-crystal polarized light microscope and its practical use. <b>2004</b> , 253, 215-25		
401	Immunocytochemical staining of the metaphase II spindle in mammalian oocytes. <b>2004</b> , 253, 201-13		1
400	Age-related changes in the ultrastructure of the resting follicle pool in human ovaries. <b>2004</b> , 70, 419-24		112
399	A successful model to assess embryo development after transplantation of prophase nuclei. <i>Human Reproduction</i> , <b>2004</b> , 19, 975-81	5-7	23
398	Trisomic pregnancy and the oocyte pool. <i>Human Reproduction</i> , <b>2004</b> , 19, 1633-43	5-7	39
397	Spindle dynamics in living mouse oocytes during meiotic maturation, ageing, cooling and overheating: a study by polarized light microscopy. <b>2004</b> , 12, 241-9		30
396	Overheating is detrimental to meiotic spindles within in vitro matured human oocytes. <b>2004</b> , 12, 65-70		43
395	Germ Cell Protocols. <b>2004</b> ,		
394	Meiotic and mitotic nondisjunction: lessons from preimplantation genetic diagnosis. <b>2004</b> , 10, 401-7		98
393	Intra-oocyte localization of MAD2 and its relationship with kinetochores, microtubules, and chromosomes in rat oocytes during meiosis. <b>2004</b> , 71, 740-8		55
392	Age is no barrier. <b>2004</b> , 432, 40-2		9
391	Reduced recombination in maternal meiosis coupled with non-disjunction at meiosis II leading to recurrent 47,XXX. <b>2004</b> , 12, 125-32		11
390	Why do older women have poor implantation rates? A possible role of the mitochondria. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2004</b> , 21, 79-83	3-4	48
389	Visualization and examination of the meiotic spindle in human oocytes with polscope. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2004</b> , 21, 349-53	3-4	24



388	Aging of oocyte, ovary, and human reproduction. <b>2004</b> , 1034, 117-31	68
387	What criteria for the definition of oocyte quality?. <b>2004</b> , 1034, 132-44	123
386	Artificial reproductive technology achievements for optimizing embryo quality. <b>2004</b> , 1034, 252-61	10
385	Spindle imaging: a new marker for optimal timing of ICSI?. <i>Human Reproduction</i> , <b>2004</b> , 19, 649-54	5.7 92
384	Spindles, mitochondria and redox potential in ageing oocytes. <b>2004</b> , 8, 45-58	198
383	Spindle organization after cryopreservation of mouse, human, and bovine oocytes. <b>2004</b> , 8, 664-72	78
382	The Ovarian Factor in Assisted Reproductive Technology. <b>2004</b> , 461-472	
381	Ovarian Function in Assisted Reproduction. <b>2004</b> , 473-488	2
380	Early ovarian ageing. <b>2004</b> , 113, 126-33	48
379	Effects of cryopreservation on the meiotic spindle of human oocytes. <b>2004</b> , 113 Suppl 1, S17-23	75
378	Aging and infertility in women. <b>2004</b> , 82 Suppl 1, S102-6	98
377	Production of offspring from one-day-old oocytes stored at room temperature. <b>2004</b> , 50, 627-37	59
376	Genetics and assisted reproduction technology. <b>2005</b> , 84, 463-473	4
375	Reproductive ageing and ovarian function: is the early follicular phase FSH rise necessary to maintain adequate secretory function in older ovulatory women?. <i>Human Reproduction</i> , <b>2005</b> , 20, 89-95	5.7 30
374	Centrosome Inheritance during Human Fertilization and Therapeutic Cloning: Reproductive and Developmental Diseases and Disorders Caused by Centrosome Dysfunction. <b>2005</b> , 279-298	
373	New approaches to assisted reproductive technologies. <b>2005</b> , 23, 301-8	7
372	Genetics and assisted reproduction technology. <b>2005</b> , 84, 463-73	3
371	Aging of the Female Reproductive System. <b>2005</b> , 570-590	4

370	Meiosis and meiotic errors. <b>2005</b> ,		1
369	Effect of treating induced mitochondrial damage on embryonic development and epigenesis. <b>2005</b> , 72, 584-92		80
368	Follicle-stimulating hormone affects metaphase I chromosome alignment and increases aneuploidy in mouse oocytes matured in vitro. <b>2005</b> , 72, 107-18		120
367	Cryopreserved oocytes of infertile couples undergoing assisted reproductive technology could be an important source of oocyte donation: a clinical report of successful pregnancies. <i>Human Reproduction</i> , <b>2005</b> , 20, 3390-4	5-7	60
366	Biological aging and the etiology of aneuploidy. <b>2005</b> , 111, 266-72		85
365	Transfer of germinal vesicle to ooplasm of young mice could not rescue ageing-associated chromosome misalignment in meiosis of oocytes from aged mice. <i>Human Reproduction</i> , <b>2005</b> , 20, 1624-31	5-7	24
364	Nucleocytoplasmic ratio of fully grown germinal vesicle oocytes is essential for mouse meiotic chromosome segregation and alignment, spindle shape and early embryonic development. <i>Human Reproduction</i> , <b>2005</b> , 20, 2946-53	5-7	9
363	Session 49 [Female fertility 1. <i>Human Reproduction</i> , <b>2005</b> , 20, i69-i71	5-7	
362	Improvement of delivery and live birth rates after ICSI in women aged >40 years by ovarian co-stimulation with growth hormone. <i>Human Reproduction</i> , <b>2005</b> , 20, 2536-41	5-7	82
361	The chromosomal analysis of human oocytes. An overview of established procedures. <b>2005</b> , 11, 15-32		49
360	Apoptosis in cumulus cells, but not in oocytes, may influence bovine embryonic developmental competence. <b>2005</b> , 63, 2147-63		106
359	Frequency and distribution of chromosome abnormalities in human oocytes. <b>2005</b> , 111, 193-8		124
358	Mouse genetic models for aneuploidy induction in germ cells. <b>2005</b> , 111, 392-400		11
357	Construction and fertilization of reconstituted human oocytes. <b>2005</b> , 11, 309-18		22
356	Recurrent implantation failure in assisted reproduction: how to counsel and manage. A. General considerations and treatment options that may benefit the couple. <b>2005</b> , 11, 371-81		79
355	Meiotic spindle visualization in living human oocytes. <b>2005</b> , 10, 192-8		75
354	Management of poor responders in IVF. <b>2005</b> , 10, 235-46		104
353	Polar body morphology and spindle imaging as predictors of oocyte quality. <b>2005</b> , 11, 36-42		138

352	Predictive factors for embryo implantation potential. <b>2005</b> , 10, 653-68		76
351	Potential options for preservation of fertility in women. <b>2005</b> , 353, 64-73		224
350	Sucrose concentration influences the rate of human oocytes with normal spindle and chromosome configurations after slow-cooling cryopreservation. <i>Human Reproduction</i> , <b>2006</b> , 21, 1771-6	5.7	90
349	Meiotic abnormalities in in vitro-matured marmoset monkey ( <i>Callithrix jacchus</i> ) oocytes: development of a non-human primate model to investigate causal factors. <i>Human Reproduction</i> , <b>2006</b> , 21, 240-7	5.7	22
348	Role of embryo quality in predicting early pregnancy loss following assisted reproductive technology. <b>2006</b> , 13, 504-9		41
347	Basal FSH concentration as a predictor of IVF outcome in older women undergoing stimulation with GnRH antagonist. <b>2006</b> , 13, 815-20		10
346	Light retardance by human oocyte spindle is positively related to pronuclear score after ICSI. <b>2006</b> , 12, 737-51		65
345	Comparative maturation of cynomolgus monkey oocytes in vivo and in vitro. <b>2006</b> , 4, 14		16
344	Arsenite induces aberrations in meiosis that can be prevented by coadministration of N-acetylcysteine in mice. <b>2006</b> , 85 Suppl 1, 1187-94		27
343	First meiosis errors in immature oocytes generated by stimulated cycles. <b>2006</b> , 86, 629-35		57
342	Aging and infertility in women. <b>2006</b> , 86, S248-52		65
341	Meiotic spindle, spindle checkpoint and embryonic aneuploidy. <b>2006</b> , 11, 620-36		49
340	Aging in the Hypothalamic-Pituitary-Ovarian Axis. <b>2006</b> , 2729-2755		6
339	Evaluation and treatment of the poor responder. <b>2006</b> , 49, 23-33		1
338	The telomere theory of reproductive senescence in women. <b>2006</b> , 18, 280-5		101
337	From oogonia to mature oocytes: inactivation of the maternal centrosome in humans. <b>2006</b> , 69, 396-407		68
336	Age-associated changes in mouse oocytes during postovulatory in vitro culture: possible role for meiotic kinases and survival factor BCL2. <b>2006</b> , 74, 395-402		84
335	Clinical practice. In vitro fertilization. <b>2007</b> , 356, 379-86		113

334	Developmental competence of human in vitro aged oocytes as host cells for nuclear transfer. <i>Human Reproduction</i> , <b>2007</b> , 22, 52-62	5-7	68
333	Permeability of human oocytes to ethylene glycol and their survival and spindle configurations after slow cooling cryopreservation. <i>Human Reproduction</i> , <b>2007</b> , 22, 2776-83	5-7	51
332	Chromosome malorientations after meiosis II arrest cause nondisjunction. <b>2007</b> , 18, 1645-56		13
331	Gender effects on the incidence of aneuploidy in mammalian germ cells. <b>2007</b> , 104, 46-69		71
330	[The follicular flushing duplicate the pregnancy rate on semi natural cycle IVF]. <b>2007</b> , 36, 36-41		13
329	Presence of Meiotic Spindles Indicates Early Cleavage of Embryos. <b>2007</b> , 18, 197-203		1
328	Evaluation of oocyte quality: morphological, cellular and molecular predictors. <b>2007</b> , 19, 1-12		188
327	Biological Aging. <b>2007</b> ,		4
326	Nuclear and cytoplasmic maturation of in vitro matured human oocytes after temporary nuclear arrest by phosphodiesterase 3-inhibitor. <i>Human Reproduction</i> , <b>2007</b> , 22, 1239-46	5-7	77
325	Maternal age-related differential global expression profiles observed in human oocytes. <b>2007</b> , 14, 700-8		157
324	Meiotic spindle and zona pellucida characteristics as predictors of embryonic development: a preliminary study using PolScope imaging. <b>2007</b> , 14, 166-74		119
323	Reproductive ageing in women. <b>2007</b> , 211, 219-31		63
322	Glycogen synthase kinase-3 regulation of chromatin segregation and cytokinesis in mouse preimplantation embryos. <b>2007</b> , 74, 178-88		30
321	Telomeres and aging-related meiotic dysfunction in women. <b>2007</b> , 64, 139-43		70
320	Visualization of meiotic spindle and subsequent embryonic development in in vitro and in vivo matured human oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2007</b> , 24, 547-51	3-4	35
319	Cytogenetic analysis of in vivo and in vitro matured oocytes derived from naturally cycling and stimulated mice. <b>2008</b> , 54, 155-62		6
318	Human female meiosis: what makes a good egg go bad?. <b>2008</b> , 24, 86-93		274
317	First polar body and nucleolar precursor body morphology is related to the ovarian reserve of infertile women. <b>2008</b> , 16, 851-8		23

316	Expected poor ovarian response in predicting cumulative pregnancy rates: a powerful tool. <b>2008</b> , 17, 727-36	53
315	Defective cohesin is associated with age-dependent misaligned chromosomes in oocytes. <b>2008</b> , 16, 103-12	95
314	Elucidating the origin of chromosomal aberrations in IVF embryos by preimplantation genetic analysis. <b>2008</b> , 282, 112-9	29
313	Enhanced polarizing microscopy as a new tool in aneuploidy research in oocytes. <b>2008</b> , 651, 131-40	40
312	Spindle formation, chromosome segregation and the spindle checkpoint in mammalian oocytes and susceptibility to meiotic error. <b>2008</b> , 651, 14-29	156
311	Age-associated increase in aneuploidy and changes in gene expression in mouse eggs. <b>2008</b> , 316, 397-407	216
310	Gonadotropin-releasing hormone agonist/antagonist conversion with estrogen priming in low responders with prior in vitro fertilization failure. <b>2008</b> , 89, 342-7	18
309	Sodium nitroprusside treatment during the superovulation process improves ovarian response and ovarian expression of vascular endothelial growth factor in aged female mice. <b>2008</b> , 89, 1514-21	8
308	Male age negatively impacts embryo development and reproductive outcome in donor oocyte assisted reproductive technology cycles. <b>2008</b> , 90, 97-103	138
307	Basal follicle-stimulating hormone as a predictor of fetal aneuploidy. <b>2008</b> , 90, 2351-5	30
306	Age-related fertility decline: a committee opinion. <b>2008</b> , 90, 486-7	27
305	Age-related fertility decline: a committee opinion. <b>2008</b> , 90, S154-5	38
304	Evaluaci3n de la t3cnica de eclosi3n asistida. <b>2008</b> , 6, 62-66	
303	Oocyte senescence: a firm link to age-related female subfertility. <b>2008</b> , 24, 59-63	41
302	Transmission of Y chromosomes from XY female mice was made possible by the replacement of cytoplasm during oocyte maturation. <b>2008</b> , 105, 13918-23	16
301	Erythrocytes counteract the negative effects of female ageing on mouse preimplantation embryo development and blastocyst formation. <i>Human Reproduction</i> , <b>2008</b> , 23, 2080-5	5-7 3
300	Chapter 3 Trisomy 21. <b>2008</b> , 61-102	0
299	Preimplantation genetic screening in women of advanced maternal age caused a decrease in clinical pregnancy rate: a randomized controlled trial. <i>Human Reproduction</i> , <b>2008</b> , 23, 2806-12	5-7 197

298	Cellular and molecular aspects of ovarian follicle ageing. <b>2008</b> , 14, 131-42		289
297	How old are your eggs?. <b>2008</b> , 20, 540-4		12
296	Oocyte and Embryo Freezing. 456-465		
295	Evaluation of the Infertile Female. 55-69		
294	Normal Aging and the Menopausal Transition: What to Expect. <b>2009</b> , 1-17		1
293	[The age as a predictive factor in in vitro fertilization cycles]. <b>2009</b> , 31, 230-4		5
292	Morphological criteria of oocyte quality. <b>2009</b> , 45, 509		19
291	The interaction between follicular fluid total antioxidant capacity, infertility and early reproductive outcomes during in vitro fertilization. <b>2009</b> , 14, 205-13		11
290	Meiotic spindle dynamics in human oocytes following slow-cooling cryopreservation. <i>Human Reproduction</i> , <b>2009</b> , 24, 2114-23	5:7	87
289	The efficacy and safety of human oocyte cryopreservation by slow cooling. <b>2009</b> , 27, 443-9		18
288	Effects of ooplasm manipulation on DNA methylation and growth of progeny in mice. <b>2009</b> , 80, 464-72		31
287	Maternal age and risk for trisomy 21 assessed by the origin of chromosome nondisjunction: a report from the Atlanta and National Down Syndrome Projects. <b>2009</b> , 125, 41-52		97
286	Alterations in the protein kinase C signaling activated by a parthenogenetic agent in oocytes from reproductively old mice. <b>2009</b> , 76, 122-31		14
285	Declining ovarian reserve adversely influences granulosa cell viability. <b>2009</b> , 91, 2611-5		15
284	Telomeres and reproductive aging. <b>2009</b> , 21, 10-4		76
283	A PolScope evaluation of meiotic spindle dynamics in frozen-thawed oocytes. <b>2009</b> , 19, 191-7		17
282	Relationship between visualization of meiotic spindle in human oocytes and ICSI outcomes: a meta-analysis. <b>2009</b> , 18, 235-43		52
281	Vitrification may increase the rate of chromosome misalignment in the metaphase II spindle of human mature oocytes. <b>2009</b> , 19 Suppl 3, 29-34		73

280	Mitochondrial functionality in reproduction: from gonads and gametes to embryos and embryonic stem cells. <b>2009</b> , 15, 553-72		289
279	Ovarian aging: mechanisms and clinical consequences. <b>2009</b> , 30, 465-93		629
278	Assisted Reproduction. <b>2009</b> , 725-757		
277	Impact of hormone therapy for women aged 35 to 65 years, from contraception to hormone replacement. <b>2009</b> , 6 Suppl 1, 37-59		15
276	Preimplantation Genetic Diagnosis and Selection. <b>2010</b> , 1, 120-140		
275	Numb regulates meiotic spindle organisation in mouse oocytes. <b>2010</b> , 22, 664-72		2
274	Chromosomal and cytoplasmic context determines predisposition to maternal age-related aneuploidy: brief overview and update on MCAK in mammalian oocytes. <b>2010</b> , 38, 1681-6		23
273	Cryo-survival, fertilization and early embryonic development of vitrified oocytes derived from mice of different reproductive age. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2010</b> , 27, 605-11	3-4	13
272	Evidence that weakened centromere cohesion is a leading cause of age-related aneuploidy in oocytes. <b>2010</b> , 20, 1522-8		273
271	Age-related meiotic segregation errors in mammalian oocytes are preceded by depletion of cohesin and Sgo2. <b>2010</b> , 20, 1511-21		257
270	Pronuclear transfer in human embryos to prevent transmission of mitochondrial DNA disease. <b>2010</b> , 465, 82-5		341
269	The connections between general and reproductive senescence and the evolutionary basis of menopause. <b>2010</b> , 1204, 21-9		42
268	Xenopus meiotic microtubule-associated interactome. <b>2010</b> , 5, e9248		32
267	The Control of the Metaphase-to-Anaphase Transition in Meiosis I. <b>2010</b> , 311-341		
266	On the origin of the maternal age effect in trisomy 21 Down syndrome: the Oocyte Mosaicism Selection model. <b>2010</b> , 139, 1-9		51
265	Fisiologĳa reproductiva y cambios evolutivos con la edad de la mujer. <b>2010</b> , 21, 348-362		
264	Tĳcnicas del futuro: ingenierĳa de tejidos y uso de cĳlulas madre en medicina reproductiva. <b>2010</b> , 21, 488-493		
263	Gene expression profiles of single human mature oocytes in relation to age. <i>Human Reproduction</i> , <b>2010</b> , 25, 957-68	5-7	176

262	Third party reproduction and the aging couple. <b>2010</b> , 66, 389-96	7
261	Comparative analysis of the metaphase II spindle of human oocytes through polarized light and high-performance confocal microscopy. <b>2010</b> , 93, 2056-64	49
260	Effects of in vitro maturation and age on oocyte quality in the rhesus macaque <i>Macaca mulatta</i> . <b>2010</b> , 93, 1591-600	15
259	Oocyte cryopreservation outcomes including pre-cryopreservation and post-thaw meiotic spindle evaluation following slow cooling and vitrification of human oocytes. <b>2010</b> , 94, 2078-82	61
258	Characterizing the meiotic spindle configuration and chromosome complement of in vivo matured equine oocytes. <b>2010</b> , 121, 234-236	
257	Spindle and chromosome configurations of human oocytes matured in vitro in two different culture media. <b>2010</b> , 20, 639-48	9
256	Impact of male age on the outcome of assisted reproductive technology cycles using donor oocytes. <b>2010</b> , 20, 848-56	17
255	Routine morphological scoring systems in assisted reproduction treatment fail to reflect age-related impairment of oocyte and embryo quality. <b>2010</b> , 21, 118-25	25
254	Aging of the Female Reproductive System. <b>2011</b> , 28, 118-125	1
253	The relationship between meiotic spindle imaging and outcome of intracytoplasmic sperm injection: a retrospective study. <b>2011</b> , 27, 737-41	10
252	Reproductive hormones and the menopause transition. <b>2011</b> , 38, 455-66	91
251	Chromosomes and the Skin. <b>2011</b> , 116.1-116.19	
250	Aneuploid human embryonic stem cells: origins and potential for modeling chromosomal disorders. <b>2011</b> , 6, 493-503	4
249	The reproductive endocrinology of the menopausal transition. <b>2011</b> , 76, 627-35	63
248	Prevention of maternal aging-associated oocyte aneuploidy and meiotic spindle defects in mice by dietary and genetic strategies. <b>2011</b> , 108, 12319-24	143
247	Meiosis errors in over 20,000 oocytes studied in the practice of preimplantation aneuploidy testing. <b>2011</b> , 22, 2-8	130
246	Embryo cryopreservation as a fertility preservation strategy. 279-282	
245	Oocyte and zona imaging. 199-208	



244	Relevance and Methodology for the Morphological Analysis of Oocyte Quality in IVF and ICSI. <b>2011</b> , 2, 1-13		3
243	Why is chromosome segregation error in oocytes increased with maternal aging?. <b>2011</b> , 26, 314-25		26
242	Oocyte cryopreservation. 283-292		
241	Oocyte-specific differences in cell-cycle control create an innate susceptibility to meiotic errors. <b>2011</b> , 21, 651-7		137
240	Efficiency of polarized microscopy as a predictive tool for human oocyte quality. <i>Human Reproduction</i> , <b>2011</b> , 26, 535-44	5-7	17
239	Prevention of ovarian damage and infertility in young female cancer patients awaiting chemotherapy--clinical approach and unsolved issues. <b>2011</b> , 19, 1909-19		12
238	Diminished ovarian reserve and infertility. <b>2011</b> , 54, 666-74		17
237	Defective deacetylation of histone 4 K12 in human oocytes is associated with advanced maternal age and chromosome misalignment. <i>Human Reproduction</i> , <b>2011</b> , 26, 1181-90	5-7	68
236	New insights into the genetic regulation of homologue disjunction in mammalian oocytes. <b>2011</b> , 133, 209-22		31
235	Differential granulosa cell gene expression in young women with diminished ovarian reserve. <b>2011</b> , 18, 892-9		26
234	Mitochondrial DNA disease: new options for prevention. <b>2011</b> , 20, R168-74		63
233	Oocyte retrieval and selection. <b>2012</b> , 96-113		
232	Effect of age, GV transfer and modified nucleocytoplasmic ratio on PKC $\delta$ in mouse oocytes and early embryos. <b>2012</b> , 20, 87-95		2
231	Delay in oocyte aging in mice by the antioxidant N-acetyl-L-cysteine (NAC). <i>Human Reproduction</i> , <b>2012</b> , 27, 1411-20	5-7	92
230	Meiotic origins of maternal age-related aneuploidy. <b>2012</b> , 86, 1-7		122
229	The association between severe obesity and characteristics of failed fertilized oocytes. <i>Human Reproduction</i> , <b>2012</b> , 27, 3198-207	5-7	82
228	The ovarian follicular pool and reproductive outcome in women. <b>2012</b> , 28, 166-9		3
227	Prevention of mitochondrial disease inheritance by assisted reproductive technologies: prospects and challenges. <b>2012</b> , 1820, 637-42		20

226	Prolonging the female reproductive lifespan and improving egg quality with dietary omega-3 fatty acids. <b>2012</b> , 11, 1046-54		62
225	Novel system for efficient isolation of Clostridium double-crossover allelic exchange mutants enabling markerless chromosomal gene deletions and DNA integration. <b>2012</b> , 78, 8112-21		105
224	Is it best to cryopreserve human cumulus-free immature oocytes before or after in vitro maturation?. <b>2012</b> , 65, 79-87		22
223	Cumulative Morphological Assessment of Embryo Quality. <b>2012</b> , 385-404		
222	Current understanding of ovarian aging. <b>2012</b> , 55, 659-69		57
221	[Invasive and noninvasive analysis of the meiotic spindle of human oocytes obtained from stimulate cycles: preliminary results]. <b>2012</b> , 34, 524-9		
220	Telomeres and Reproductive Aging. <b>2012</b> ,		
219	Age-related aneuploidy through cohesion exhaustion. <b>2012</b> , 13, 539-46		90
218	Human aneuploidy: mechanisms and new insights into an age-old problem. <b>2012</b> , 13, 493-504		599
217	Oocyte cryopreservation, will it be a real social choice and family solution?. <b>2012</b> , 17, 8-11		5
216	Embryo developmental capability and pregnancy outcome are related to the mitochondrial DNA copy number and ooplasmic volume. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2013</b> , 30, 1367-75	3-4	81
215	Retrieval and in vitro maturation of human oocytes from ovaries removed during surgery for endometrial carcinoma: a novel strategy for human oocyte research. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2013</b> , 30, 1227-30	3-4	8
214	Principles of Oocyte and Embryo Donation. <b>2013</b> ,		5
213	Effects of maternal aging on localizations and expression levels of DNA methyltransferases and chromosome architecture in in-vivo matured mouse oocytes. <b>2013</b> , 58, 3248-3255		
212	Ceramide and its transport protein (CERT) contribute to deterioration of mitochondrial structure and function in aging oocytes. <b>2013</b> , 134, 43-52		13
211	Spindle and chromosomal alterations in metaphase II oocytes. <b>2013</b> , 20, 1293-301		24
210	Assessment of meiotic spindle configuration and post-warming bovine oocyte viability using polarized light microscopy. <b>2013</b> , 48, 470-6		5
209	Prospective controlled study to evaluate laboratory and clinical outcomes of oocyte vitrification obtained in in vitro fertilization patients aged 30 to 39 years. <b>2013</b> , 99, 1891-7		47

208	The effect of advanced paternal age on the outcomes of assisted reproductive techniques among patients with azoospermia using cryopreserved testicular spermatozoa. <b>2013</b> , 52, 351-5		15
207	Mechanistic foundations of the metaphase II spindle of human oocytes matured in vivo and in vitro. <i>Human Reproduction</i> , <b>2013</b> , 28, 3271-82	5-7	40
206	Predicting reproductive age with biomarkers of ovarian reserve--how (and what) are we measuring?. <b>2013</b> , 31, 416-26		12
205	The Kunming mouse: as a model for age-related decline in female fertility in human. <b>2013</b> , 21, 367-76		16
204	Resveratrol protects against age-associated infertility in mice. <i>Human Reproduction</i> , <b>2013</b> , 28, 707-17	5-7	176
203	L-carnitine improves hydrogen peroxide-induced impairment of nuclear maturation in porcine oocytes. <b>2013</b> , 84, 395-402		13
202	Menopause. <b>2013</b> , 371-387		1
201	Cellular origin of age-related aneuploidy in mammalian oocytes. 330-345		
200	Chromosome behavior and spindle formation in mammalian oocytes. 142-153		1
199	Comparative Analysis of the Spindle of Fresh In Vivo-Matured Human Oocytes Through Polarized Light and Confocal Microscopy: A Pilot Study. <b>2014</b> , 21, 984-992		3
198	Shortened estrous cycle length, increased FSH levels, FSH variance, oocyte spindle aberrations, and early declining fertility in aging senescence-accelerated mouse prone-8 (SAMP8) mice: concomitant characteristics of human midlife female reproductive aging. <b>2014</b> , 155, 2287-300		8
197	Anatomy, Development, Histology, and Normal Function of the Ovary. <b>2014</b> , 1-32		2
196	Assisted Reproduction. <b>2014</b> , 734-773.e12		1
195	Three-parent in vitro fertilization: gene replacement for the prevention of inherited mitochondrial diseases. <b>2014</b> , 101, 31-5		89
194	The root of reduced fertility in aged women and possible therapeutic options: current status and future prospects. <b>2014</b> , 38, 54-85		81
193	The origin, mechanisms, incidence and clinical consequences of chromosomal mosaicism in humans. <b>2014</b> , 20, 571-81		214
192	Female age-related fertility decline. Committee Opinion No. 589. <b>2014</b> , 101, 633-4		227
191	Human Fertility. <b>2014</b> ,		3

190	Advancing maternal age predisposes to mitochondrial damage and loss during maturation of equine oocytes in vitro. <b>2014</b> , 81, 959-65		40
189	The study of mammalian oocyte competence by transcriptome analysis: progress and challenges. <b>2014</b> , 20, 103-16		58
188	Health outcomes of children born after IVF/ICSI: a review of current expert opinion and literature. <b>2014</b> , 28, 162-82		78
187	Sirt2 functions in spindle organization and chromosome alignment in mouse oocyte meiosis. <b>2014</b> , 28, 1435-45		76
186	The ovarian reserve of primordial follicles and the dynamic reserve of antral growing follicles: what is the link?. <b>2014</b> , 90, 85		118
185	l-carnitine supplementation during vitrification of mouse germinal vesicle stage-oocytes and their subsequent in vitro maturation improves meiotic spindle configuration and mitochondrial distribution in metaphase II oocytes. <i>Human Reproduction</i> , <b>2014</b> , 29, 2256-68	5-7	47
184	Arrested human embryos are more likely to have abnormal chromosomes than developing embryos from women of advanced maternal age. <b>2014</b> , 7, 65		17
183	Posttranslational Protein Modifications in the Reproductive System. <b>2014</b> ,		2
182	Bi-directional communication with the cumulus cells is involved in the deficiency of XY oocytes in the components essential for proper second meiotic spindle assembly. <b>2014</b> , 385, 242-52		14
181	Digital multiplexed mRNA analysis of functionally important genes in single human oocytes and correlation of changes in transcript levels with oocyte protein expression. <b>2014</b> , 101, 857-64		19
180	The impact of examining the meiotic spindle by polarization microscopy on assisted reproduction outcomes. <b>2014</b> , 101, 379-84		10
179	Developmental programming: prenatal BPA treatment disrupts timing of LH surge and ovarian follicular wave dynamics in adult sheep. <b>2014</b> , 279, 119-28		18
178	Female age-related fertility decline. Committee Opinion No. 589. <b>2014</b> , 123, 719-721		73
177	Telomeres and Female Reproductive Aging. <b>2015</b> , 33, 389-95		25
176	Effects of maternal ageing on ICSI outcomes and embryo development in relation to oocytes morphological characteristics of birefringent structures. <b>2015</b> , 23, 550-5		15
175	Coenzyme Q10 restores oocyte mitochondrial function and fertility during reproductive aging. <b>2015</b> , 14, 887-95		214
174	Multiple Small Supernumerary Marker Chromosomes Resulting from Maternal Meiosis I or II Errors. <b>2016</b> , 6, 210-21		8
173	High Aneuploidy Rates Observed in Embryos Derived from Donated Oocytes are Related to Male Aging and High Percentages of Sperm DNA Fragmentation. <b>2015</b> , 9, 21-7		37

172	Prolactin and growth hormone affect metaphase-II chromosomes in aging oocytes via cumulus cells using similar signaling pathways. <b>2015</b> , 6, 274		2
171	Human oocytes. Error-prone chromosome-mediated spindle assembly favors chromosome segregation defects in human oocytes. <b>2015</b> , 348, 1143-7		175
170	Assessment of aneuploidy formation in human blastocysts resulting from donated eggs and the necessity of the embryos for aneuploidy screening. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 999-1006	3.4	25
169	Cytoplasm replacement following germinal vesicle transfer restores meiotic maturation and spindle assembly in meiotically arrested oocytes. <b>2015</b> , 31, 71-8		14
168	Expression profiles of select genes in cumulus-oocyte complexes from young and aged mares. <b>2015</b> , 27, 914-24		11
167	Autologous Germline Mitochondrial Energy Transfer (AUGMENT) in Human Assisted Reproduction. <b>2015</b> , 33, 410-21		76
166	Oocyte competency is the key to embryo potential. <b>2015</b> , 103, 317-22		76
165	Cytoskeletal alterations associated with donor age and culture interval for equine oocytes and potential zygotes that failed to cleave after intracytoplasmic sperm injection. <b>2015</b> , 27, 944-56		11
164	Menopause prediction and potential implications. <b>2015</b> , 82, 257-65		38
163	Aging and Reproduction. <b>2015</b> , 1661-1693		2
162	Are ART outcomes more successful in younger women? A retrospective study. <b>2015</b> , 35, 481-4		
161	Follicular fluid anti-Müllerian hormone: a predictive marker of fertilization capacity of MII oocytes. <b>2015</b> , 291, 681-7		6
160	Meiosis and maternal aging: insights from aneuploid oocytes and trisomy births. <b>2015</b> , 7, a017970		129
159	Shifting paradigms in diminished ovarian reserve and advanced reproductive age in assisted reproduction: customization instead of conformity. <b>2015</b> , 33, 169-78		17
158	ICSI with the Assistance of Meiotic Spindle Imaging for the Production of High Quality Embryos. <b>2015</b> , 32, 3-10		1
157	Bisphenol A Exposure during Oocyte Maturation in vitro Results in Spindle Abnormalities and Chromosome Misalignment in <i>Bos taurus</i> . <b>2015</b> , 145, 50-8		20
156	Ultrastructural markers of quality are impaired in human metaphase II aged oocytes: a comparison between reproductive and in vitro aging. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 1343-58	3.4	47
155	Revisiting germinal vesicle transfer as a treatment for aneuploidy in infertile women with diminished ovarian reserve. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 313-7	3.4	19

154	Age-related infertility. <b>2015</b> , 42, 15-25	80
153	Mammalian Meiosis. <b>2015</b> , 5-57	2
152	Concise reviews: Assisted reproductive technologies to prevent transmission of mitochondrial DNA disease. <b>2015</b> , 33, 639-45	47
151	Oocyte Maturation and Development. <b>2016</b> , 5,	21
150	Effects of maternal age on embryo quality and pregnancy outcomes using testicular sperm with intracytoplasmic sperm injection. <b>2016</b> , 43, 221-227	5
149	The Effect of Paternal Age on Oocyte Donation Outcomes. <b>2016</b> , 71, 301-6	5
148	Combination of spindle and first polar body chromosome images for the enhanced prediction of developmental potency of mouse metaphase II oocytes. <b>2016</b> , 24, 900-908	2
147	Noninvasive chromosome screening of human embryos by genome sequencing of embryo culture medium for in vitro fertilization. <b>2016</b> , 113, 11907-11912	107
146	Epigenetic imprinting during assisted reproductive technologies: The effect of temporal and cumulative fluctuations in methionine cycling on the DNA methylation state. <b>2016</b> , 83, 94-107	7
145	Oxidative stress in oocytes during midprophase induces premature loss of cohesion and chromosome segregation errors. <b>2016</b> , 113, E6823-E6830	54
144	Mitochondrial transfer: Implications for assisted reproductive technologies. <b>2016</b> , 11, 40-47	23
143	Transcriptome analysis of human cumulus cells reveals hypoxia as the main determinant of follicular senescence. <b>2016</b> , 22, 866-76	25
142	Decrease in expression of maternal effect gene Mater is associated with maternal ageing in mice. <b>2016</b> , 22, 252-60	13
141	Rescue in vitro maturation (IVM) of immature oocytes in stimulated cycles in women with low functional ovarian reserve (LFOR). <b>2016</b> , 52, 165-71	25
140	Targeting oocyte maturation to improve fertility in older women. <b>2016</b> , 363, 57-68	12
139	Genome Transfer Prevents Fragmentation and Restores Developmental Potential of Developmentally Compromised Postovulatory Aged Mouse Oocytes. <b>2017</b> , 8, 576-588	9
138	Grandmaternal smoke exposure reduces female fertility in a murine model, with great-grandmaternal smoke exposure unlikely to have an effect. <i>Human Reproduction</i> , <b>2017</b> , 32, 1270-1281	5
137	TCTP regulates spindle assembly during postovulatory aging and prevents deterioration in mouse oocyte quality. <b>2017</b> , 1864, 1328-1334	13

136	Assessing reproductive choices of women and the likelihood of oocyte cryopreservation in the era of elective oocyte freezing. <b>2017</b> , 107, 1214-1222.e3	25
135	Novel reproductive technologies to prevent mitochondrial disease. <b>2017</b> , 23, 501-519	33
134	Intrinsically Defective Microtubule Dynamics Contribute to Age-Related Chromosome Segregation Errors in Mouse Oocyte Meiosis-I. <b>2017</b> , 27, 1040-1047	50
133	Oocyte Biology: Do the Wheels Fall Off with Age?. <b>2017</b> , 27, R266-R269	3
132	Age-related changes in gene expression patterns of immature and aged rat primordial follicles. <b>2017</b> , 63, 37-48	8
131	Female age, serum antimüllerian hormone level, and number of oocytes affect the rate and number of euploid blastocysts in in vitro fertilization/intracytoplasmic sperm injection cycles. <b>2017</b> , 108, 777-783.e2	45
130	Human female meiosis revised: new insights into the mechanisms of chromosome segregation and aneuploidies from advanced genomics and time-lapse imaging. <b>2017</b> , 23, 706-722	108
129	Medizinische Komplikationen später Mutterschaft. <b>2017</b> , 50, 744-751	
128	Relationship between meiotic spindles visualization and intracytoplasmic sperm injection outcomes in human oocytes. <b>2017</b> , 50, 26-32	6
127	Resveratrol reverses the adverse effects of a diet-induced obese murine model on oocyte quality and zona pellucida softening. <b>2018</b> , 9, 2623-2633	16
126	Meeting the meiotic challenge: Specializations in mammalian oocyte spindle formation. <b>2018</b> , 85, 178-187	11
125	Regulation of chromosome segregation in oocytes and the cellular basis for female meiotic errors. <b>2018</b> , 24, 135-161	50
124	Effect of Paternal Age on Reproductive Outcomes: Data from Intracytoplasmic Sperm Injection and Oocyte Donation. <b>2018</b> , 39-47	
123	Paternal age as an independent factor does not affect embryo quality and pregnancy outcomes of testicular sperm extraction-intracytoplasmic sperm injection in azoospermia. <b>2018</b> , 50, e12864	6
122	Assessment of M2/ANXA5 haplotype as a risk factor in couples with placenta-mediated pregnancy complications. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2018</b> , 35, 157-163	3-4 4
121	Menstrual Cycle Hormone Changes Associated with Reproductive Aging and How They May Relate to Symptoms. <b>2018</b> , 45, 613-628	14
120	Endometriosis Is a Cause of Infertility. Does Reactive Oxygen Damage to Gametes and Embryos Play a Key Role in the Pathogenesis of Infertility Caused by Endometriosis?. <b>2018</b> , 9, 725	26
119	Clinical and neonatal outcomes of patients of different ages following transfer of thawed cleavage embryos and blastocysts cultured from thawed cleavage-stage embryos. <b>2018</b> , 13, e0207340	1

118	Ovarian Aging and Osteoporosis. <b>2018</b> , 1086, 199-215		28
117	Aging and Aging-Related Diseases. <b>2018</b> ,		6
116	Reproductive Aging: Perimenopause and Psychopathological Symptoms. <b>2018</b> ,		2
115	Clinical Outcomes of Assisted Reproductive Techniques Using Cryopreserved Gametes and Embryos in Human Medicine. <b>2018</b> ,		
114	The role of melatonin, a multitasking molecule, in retarding the processes of ageing. <b>2018</b> , 47, 198-213		65
113	Platelet-activating factor acetylhydrolase 1B3 (PAFAH1B3) is required for the formation of the meiotic spindle during in vitro oocyte maturation. <b>2018</b> , 30, 1739-1750		5
112	Impact of Maternal Age on Oocyte and Embryo Competence. <b>2018</b> , 9, 327		129
111	Influence of Maternal Aging on Mitochondrial Heterogeneity, Inheritance, and Function in Oocytes and Preimplantation Embryos. <b>2018</b> , 9,		25
110	Decision making processes of women who seek elective oocyte cryopreservation. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2018</b> , 35, 1623-1630	3-4	7
109	Assembly and Positioning of the Oocyte Meiotic Spindle. <b>2018</b> , 34, 381-403		49
108	Involvement of Kif4a in Spindle Formation and Chromosome Segregation in Mouse Oocytes. <b>2018</b> , 9, 623-633		14
107	Reproductive aging and elective fertility preservation. <b>2018</b> , 11, 66		29
106	Segregating Chromosomes in the Mammalian Oocyte. <b>2018</b> , 28, R895-R907		43
105	Impact of exercise on oocyte quality in the POLG mitochondrial DNA mutator mouse. <b>2018</b> , 156, 185-194		6
104	Assisted Reproduction. <b>2019</b> , 779-822.e16		2
103	Advanced mare age impairs the ability of in vitro-matured oocytes to correctly align chromosomes on the metaphase plate. <b>2019</b> , 51, 252-257		15
102	The Role of Different NO Synthase Isoforms in the Regulatory Effect of Prolactin and Growth Hormone on the State of Chromosomes in Mature Oocytes Aging in vitro. <b>2019</b> , 13, 219-227		0
101	Overgrowth of mice generated from postovulatory-aged oocyte spindles. <b>2019</b> , 1, 393-403		3



100	Amyloid-like substance in mice and human oocytes and embryos. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2019</b> , 36, 1877-1890	3-4	4
99	Oocyte Denuding. <b>2019</b> , 133-145		1
98	Mitochondria and reproduction: possibilities for testing and treatment. <b>2019</b> , 61, 82-96		5
97	Female Age Affects the Mesenchymal Stem Cell Characteristics of Aspirated Follicular Cells in the In Vitro Fertilization Programme. <b>2019</b> , 15, 543-557		6
96	Can cytoplasmic donation rescue aged oocytes?. <b>2019</b> , 18, 128-139		6
95	Do serum androgens influence blastocysts ploidy in karyotypically normal women?. <b>2019</b> , 65, 281-287		
94	Aneuploidy Rates Inversely Correlate with Implantation during In Vitro Fertilization Procedures: In Favor of PGT. <b>2019</b> ,		1
93	Combined noninvasive metabolic and spindle imaging as potential tools for embryo and oocyte assessment. <i>Human Reproduction</i> , <b>2019</b> , 34, 2349-2361	5-7	14
92	Growth hormone supplementation may improve the pregnancy rate and endometrial receptivity among women aged more than 40 years undergoing in vitro fertilization. <b>2019</b> , 42, 411-416		6
91	Egg maturity assessment prior to ICSI prevents premature fertilization of late-maturing oocytes. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2019</b> , 36, 445-452	3-4	12
90	Insights of the tubulin code in gametes and embryos: from basic research to potential clinical applications in humans <b>2019</b> , 100, 575-589		9
89	Oocyte meiotic spindle morphology is a predictive marker of blastocyst ploidy-a prospective cohort study. <b>2020</b> , 113, 105-113.e1		5
88	Whole genome analysis reveals aneuploidies in early pregnancy loss in the horse. <b>2020</b> , 10, 13314		11
87	Effects of age on pregnancy outcomes in patients with simple tubal factor infertility receiving frozen-thawed embryo transfer. <b>2020</b> , 10, 18121		3
86	The Role of Oocyte Quality in Explaining "Unexplained" Infertility. <b>2020</b> , 38, 21-28		7
85	Equine Aging and the Oocyte: A Potential Model for Reproductive Aging in Women. <b>2020</b> , 89, 103022		6
84	Why is oocyte aneuploidy increased with maternal aging?. <b>2020</b> , 47, 659-671		5
83	Increasing ovarian NAD levels improve mitochondrial functions and reverse ovarian aging. <b>2020</b> , 156, 1-10		24

82	Does ICSI for in vitro fertilization cause more aneuploid embryos?. <b>2020</b> , 13, 27		3
81	The use of autologous platelet-rich plasma (PRP) versus no intervention in women with low ovarian reserve undergoing fertility treatment: a non-randomized interventional study. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2020</b> , 37, 855-863	3-4	23
80	Development and Aging of the Mammalian Reproductive System. <b>2020</b> , 51, 45-56		1
79	Prenatal testing in pregnancies conceived by in vitro fertilization with pre-implantation genetic testing. <b>2020</b> , 40, 846-851		1
78	In Vitro Maturation of Fully Grown Mouse Antral Follicles in the Presence of 1 nM 2-Hydroxyestradiol Improves Oocytes' Developmental Competence. <b>2021</b> , 28, 121-133		0
77	Aneuploidy in human eggs: contributions of the meiotic spindle. <b>2021</b> , 49, 107-118		10
76	MicroRNA-Mediated Gene Regulatory Mechanisms in Mammalian Female Reproductive Health. <b>2021</b> , 22,		8
75	Paraquat Reduces the Female Fertility by Impairing the Oocyte Maturation in Mice. <b>2020</b> , 8, 631104		2
74	Cell-free DNA in spent culture medium effectively reflects the chromosomal status of embryos following culturing beyond implantation compared to trophoctoderm biopsy. <b>2021</b> , 16, e0246438		4
73	Growth hormone ameliorates the age-associated depletion of ovarian reserve and decline of oocyte quality via inhibiting the activation of Fos and Jun signaling. <b>2021</b> , 13, 6765-6781		4
72	Efectos demográficos, clínicos y biológicos de la postergación de la maternidad. <b>2021</b> , 32, 146-160		1
71	Compromised MPS1 Activity Induces Multipolar Spindle Formation in Oocytes From Aged Mares: Establishing the Horse as a Natural Animal Model to Study Age-Induced Oocyte Meiotic Spindle Instability. <b>2021</b> , 9, 657366		3
70	Advanced Maternal Age Deteriorates the Developmental Competence of Vitrified Oocytes in Mice. <b>2021</b> , 10,		2
69	GAS6 ameliorates advanced age-associated meiotic defects in mouse oocytes by modulating mitochondrial function. <b>2021</b> , 13, 18018-18032		0
68	Blastocyst euploidy rates in low-prognosis patients according to the POSEIDON criteria: a retrospective analysis of 3016 embryos.. <b>2021</b> ,		0
67	Reproductive aging and telomeres: Are women and men equally affected?. <b>2021</b> , 198, 111541		0
66	Embryo culture and selection: morphological criteria. <b>2014</b> , 1154, 501-32		1
65	Deubiquitinating enzymes in oocyte maturation, fertilization and preimplantation embryo development. <b>2014</b> , 759, 89-110		6

64	Nuclear transfer methods to study aging. <b>2007</b> , 371, 191-207	4
63	Selecting the Most Competent Embryo. <b>2009</b> , 143-169	7
62	Human Oocyte Abnormalities: Basic Analyses and Clinical Applications. <b>2009</b> , 193-214	1
61	Ageing and aneuploidy in oocytes. <b>2002</b> , 111-36	2
60	Safeguarding ART. <b>2002</b> , 8, S19-S22	1
59	Screening oocytes and preimplantation embryos for aneuploidy. <b>1999</b> , 11, 301-5	13
58	Oocyte loss and the perimenopause. <b>1998</b> , 41, 898-911	6
57	Endocrine changes of the perimenopause. <b>1998</b> , 41, 912-20	57
56	Risk of chromosomal abnormalities in early spontaneous abortion after assisted reproductive technology: a meta-analysis. <b>2013</b> , 8, e75953	16
55	Advanced maternal age alters expression of maternal effect genes that are essential for human oocyte quality. <b>2020</b> , 12, 3950-3961	17
54	Age as A Predictor of Embryo Quality Regardless of The Quantitative Ovarian Response. <b>2017</b> , 11, 40-46	17
53	Oocyte selection in contemporary clinical IVF: do follicular markers of oocyte competence exist?. <b>2007</b> , 301-324	2
52	The sperm centriole: its effect on the developing embryo. <b>2007</b> , 337-354	2
51	A survey on the awareness and knowledge about elective oocyte cryopreservation among unmarried women of reproductive age visiting a private fertility center. <b>2019</b> , 62, 438-444	5
50	High percentages of embryos with 21, 18 or 13 trisomy are related to advanced paternal age in donor egg cycles. <b>2018</b> , 22, 26-34	17
49	Are age and anti-Müllerian hormone good predictors of ovarian reserve and response in women undergoing IVF?. <b>2018</b> , 22, 215-220	16
48	A Systematic Review Evaluating the Efficacy of Intra-Ovarian Infusion of Autologous Platelet-Rich Plasma in Patients With Poor Ovarian Reserve or Ovarian Insufficiency. <b>2020</b> , 12, e12037	6
47	Ovarian Follicle Recruitment and Secretary Capacity in Women of Advanced Reproductive Age. <b>2000</b> , 66-79	

- 46 Detection and Therapeutic Approaches to Age-Related Infertility. **2002**, 24-38
- 45 Detection and Therapeutic Approaches to Age-Related Infertility. **2002**, 24-38
- 44 The Biological Basis of Oocyte and Embryo Competence: Morphodynamic Criteria for Embryo Selection in In-Vitro Fertilization. **2004**, 333-376 1
- 43 Genetic Diagnosis of Metaphase II Oocytes. **2004**, 231-240
- 42 Maternal Age and Oocyte Competence. **2004**, 201-230
- 41 Cryopreservation and the Cytoskeleton of the Human Oocyte. **2009**, 162-173
- 40 Evaluation and Selection of Preimplantation Embryos for Transfer. **2010**, 663-675
- 39 Oocyte Denuding. **2012**, 93-104
- 38 Preimplantation Diagnosis for Chromosomal Disorders. **2012**, 205-257
- 37 Cumulative Morphological Assessment of Embryo Quality. **2013**, 277-308
- 36 Oocyte Denuding. **2013**, 219-240
- 35 Selecting and Screening Donors. **2013**, 31-46
- 34 Vitrification of Oocytes: General Considerations. **2015**, 17-30
- 33 Testing Ovarian Reserve. **2017**, 43-54
- 32 Origin of Aneuploidy and Strategies Underlying Clinical Application of Preimplantation Genetic Testing for Chromosomal Disorders (PGT-A and PGT-SR). **2020**, 213-251
- 31 Preimplantation Genetic Diagnosis for Chromosomal Disorders. **2005**, 135-167
- 30 Impact of Biological Factors Related to Maternal Aging: Risk of Childbirth with Down Syndrome.
- 29 The Energy as a Determinant Factor in the Ethio-pathogeny of Chromosomal Abnormalities. The Unsuspected Bioenergetic Role of Melanin.

28	Aging and reproductive potential in women. <b>1998</b> , 71, 367-81	35
27	CRISPR/Cas9 and mitochondrial gene replacement therapy: promising techniques and ethical considerations. <b>2016</b> , 5, 39-52	22
26	Mitochondria in oocyte aging: current understanding. <b>2017</b> , 9, 29-38	22
25	Effect of dehydroepiandrosterone on meiotic spindle structure and oocyte quality in mice. <b>2018</b> , 21, 1020-1025	2
24	An Update on Semen Physiology, Technologies, and Selection Techniques for the Advancement of In Vitro Equine Embryo Production: Section II. <b>2021</b> , 11,	
23	Oocyte cytoplasmic diameter of $\approx 30 \mu\text{m}$ can be used to determine human giant oocytes.. <b>2022</b> , 3, 10-17	1
22	Role of Granulosa Cells in the Aging Ovarian Landscape: A Focus on Mitochondrial and Metabolic Function.. <b>2021</b> , 12, 800739	0
21	Leukocyte Telomere Length Correlates with Extended Female Fertility.. <b>2022</b> , 11,	2
20	Insights into the NAD biosynthesis pathways involved during meiotic maturation and spindle formation in porcine oocytes.. <b>2022</b> ,	2
19	Tea polyphenols alleviate the adverse effects of diabetes on oocyte quality.. <b>2022</b> ,	2
18	Chromosome Segregation in the Oocyte: What Goes Wrong during Aging.. <b>2022</b> , 23,	2
17	Age-related differential gene expression in granulosa cells and its effects on fertility using high-throughput transcriptomics.. <b>2022</b> , 1-13	
16	Acentriolar spindle assembly in mammalian female meiosis and the consequences of its perturbations on human reproduction. <b>2021</b> ,	1
15	The putative roles of FSH and AMH in the regulation of oocyte developmental competence: from fertility prognosis to mechanisms underlying age-related subfertility.. <b>2021</b> ,	2
14	Idiopathic early ovarian ageing: risk of miscarriage and chance of delivery following ART in a nationwide cohort study.. <i>Human Reproduction</i> , <b>2022</b> ,	5-7
13	Evaluation of female infertility for the non-gynecologist. 362-374	
12	The effect of ovarian stimulation on aneuploidy of early aborted tissues and preimplantation blastocysts: comparison of the GnRH agonist long protocol with the GnRH antagonist protocol. <i>Journal of Assisted Reproduction and Genetics</i> ,	3-4 0
11	Fertility Counseling beyond 40. <b>2022</b> , 98-105	0

10	Aneuploidy in mammalian oocytes and the impact of maternal ageing.	1
9	Biological Basis of Female Reproductive Aging: What Happens to the Ovaries and Uterus as They Age?. <b>2022</b> , 19-26	0
8	Lethal variants of equine pregnancy: is it the placenta or foetus leading the conceptus in the wrong direction?. <b>2022</b> ,	0
7	Ovarian aging: mechanisms and intervention strategies. <b>2022</b> ,	0
6	Effects of follicular output rate on cumulative clinical pregnancy rate and cumulative live birth rate in PCOS patients with different characteristics. 13,	0
5	Phosphorylation of adducin-1 by TPX2 promotes interpolar microtubule homeostasis and precise chromosome segregation in mouse oocytes. <b>2022</b> , 12,	0
4	Unraveling female reproductive senescence to enhance healthy longevity. <b>2023</b> , 33, 11-29	0
3	Oocyte quality evaluation and cryopreservation. <b>2023</b> , 211-222	0
2	Female Reproductive Aging and Oxidative Stress: Mesenchymal Stem Cell Conditioned Medium as a Promising Antioxidant. <b>2023</b> , 24, 5053	0
1	Biomarkers of aging.	0