Emre Seli

List of Publications by Year
in descending order

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107 papers	5,224 citations	87401 40 h-index	107981 68 g-index
129 all docs	129 docs citations	129 times ranked	4263 citing authors

#	Article	IF	Citations
1	Targeted Deletion of Mitofusin 1 and Mitofusin 2 Causes Female Infertility and Loss of Follicular Reserve. Reproductive Sciences, 2023, 30, 560-568.	1.1	2
2	Embryology outcomes after oocyte vitrification with super-cooled slush nitrogen are similar to outcomes with conventional liquid nitrogen: a randomized controlled trial. Fertility and Sterility, 2022, 117, 106-114.	0.5	2
3	B-cell lymphoma 6 expression is not associated with live birth in a normal responder inÂvitro fertilization population. Fertility and Sterility, 2022, 117, 351-358.	0.5	13
4	Transcriptomic landscape of granulosa cells and peripheral blood mononuclear cells in women with PCOS compared to young poor responders and women with normal response. Human Reproduction, 2022, 37, 1274-1286.	0.4	11
5	Ovarian reserve parameters and IVF outcomes in 510 women with poor ovarian response (POR) treated with intraovarian injection of autologous platelet rich plasma (PRP). Aging, 2022, 14, 2513-2523.	1.4	23
6	Follicular activation in women previously diagnosed with poor ovarian response: a randomized, controlled trial. Fertility and Sterility, 2022, 117, 747-755.	0.5	10
7	Mitochondrial dysfunction caused by targeted deletion of Mfn1 does not result in telomere shortening in oocytes. Zygote, 2022, 30, 735-737.	0.5	0
8	A multicenter, prospective, blinded, nonselection study evaluating the predictive value of an aneuploid diagnosis using a targeted next-generation sequencingâ€“based preimplantation genetic testing for aneuploidy assay and impact of biopsy. Fertility and Sterility, 2021, 115, 627-637.	0.5	126
9	Rate of true recurrent implantation failure is low: results of three successive frozen euploid single embryo transfers. Fertility and Sterility, 2021, 115, 45-53.	0.5	94
10	Shorter telomere length of white blood cells is associated with higher rates of aneuploidy among infertile women undergoing in vitro fertilization. Fertility and Sterility, 2021, 115, 957-965.	0.5	21
11	Analysis of female demographics in the United States: life expectancy, education, employment, family building decisions, and fertility service utilization. Current Opinion in Obstetrics and Gynecology, 2021, 33, 170-177.	0.9	10
12	Evaluation of genome-wide DNA methylation profile of human embryos with different developmental competences. Human Reproduction, 2021, 36, 1682-1690.	0.4	8
13	Cumulus cells of euploid versus whole chromosome 21 aneuploid embryos reveal differentially expressed genes. Reproductive BioMedicine Online, 2021, 43, 614-626.	1.1	3
14	Noninvasive preimplantation genetic testing for aneuploidy exhibits high rates of deoxyribonucleic acid amplification failure and poor correlation with results obtained using trophectoderm biopsy. Fertility and Sterility, 2021, 115, 1461-1470.	0.5	17
15	Preimplantation genetic testing to evaluate for mitochondrial deoxyribonucleic acid disease and aneuploidy: a two-birds-with-one-stone approach. Fertility and Sterility, 2021, 115, 1439-1440.	0.5	0
16	The Appraisal of Body Content (ABC) trial: Increased male or female adiposity does not significantly impact inÂvitro fertilization laboratory or clinical outcomes. Fertility and Sterility, 2021, 116, 444-452.	0.5	27
17	Human embryo polarization requires PLC signaling to mediate trophectoderm specification. ELife, 2021, 10, .	2.8	24
18	A review of the pathophysiology of recurrent implantation failure. Fertility and Sterility, 2021, 116, 1436-1448.	0.5	66

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19	Mitochondrial Stress Response Gene Clpp Is Not Required for Granulosa Cell Function. Antioxidants, 2021, 10, 1.	2.2	88
20	Cumulus cells have longer telomeres than leukocytes in reproductive-age women. Fertility and Sterility, 2020, 113, 217-223.	0.5	20
21	A step towards the automation of intracytoplasmic sperm injection: real time confirmation of mouse and human oocyte penetration and viability by electrical resistance measurement. Fertility and Sterility, 2020, 113, 234-236.	0.5	9
22	Oocyte activation, oolemma piercing, and real-time viability confirmation in human oocytes using electrophysiological techniques. Current Opinion in Obstetrics and Gynecology, 2020, 32, 191-197.	0.9	2
23	Analysis of accessible chromatin landscape in the inner cell mass and trophectoderm of human blastocysts. Molecular Human Reproduction, 2020, 26, 702-711.	1.3	5
24	Developmental potential of aneuploid human embryos cultured beyond implantation. Nature Communications, 2020, 11, 3987.	5.8	66
25	Interpretation of noninvasive prenatal testing results following inÂvitro fertilization and preimplantation genetic testing for aneuploidy. American Journal of Obstetrics & Gynecology MFM, 2020, 2, 100232.	1.3	4
26	The appraisal of body content (ABC) trial: obesity does not significantly impact gamete production in infertile men and women. Journal of Assisted Reproduction and Genetics, 2020, 37, 2733-2742.	1.2	9
27	Mitochondrial function in women with polycystic ovary syndrome. Current Opinion in Obstetrics and Gynecology, 2020, 32, 205-212.	0.9	12
28	Mitochondrial DNA content is not predictive of reproductive competence in euploid blastocysts. Reproductive BioMedicine Online, 2020, 41, 183-190.	1.1	27
29	The impact of age beyond ploidy: outcome data from 8175 euploid single embryo transfers. Journal of Assisted Reproduction and Genetics, 2020, 37, 595-602.	1.2	43
30	Mitochondrial DNA content decreases during inÂvitro human embryo development: insights into mitochondrial DNA variation in preimplantation embryos donated for research. F&S Science, 2020, 1, 36-45.	0.5	3
31	Mitochondrial Dysfunction and Ovarian Aging. Endocrinology, 2020, 161, .	1.4	81
32	Mitofusin 1 is required for female fertility and to maintain ovarian follicular reserve. Cell Death and Disease, 2019, 10, 560.	2.7	71
33	Mitofusin 2 plays a role in oocyte and follicle development, and is required to maintain ovarian follicular reserve during reproductive aging. Aging, 2019, 11, 3919-3938.	1.4	57
34	Mitochondrial unfolded protein response: a stress response with implications for fertility and reproductive aging. Fertility and Sterility, 2019, 111, 197-204.	0.5	50
35	Metabolic imaging via fluorescence lifetime imaging microscopy for egg and embryo assessment. Fertility and Sterility, 2019, 111, 212-218.	0.5	10
36	Translational activation of maternally derived mRNAs in oocytes and early embryos and the role of embryonic poly(A) binding protein (EPAB). Biology of Reproduction, 2019, 100, 1147-1157.	1.2	19

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37	Diminished ovarian reserve versus ovarian aging: overlaps and differences. Current Opinion in Obstetrics and Gynecology, 2019, 31, 139-147.	0.9	39
38	Gonadotropin-Releasing Hormone Analogs for Gonadal Protection During Gonadotoxic Chemotherapy: A Systematic Review and Meta-Analysis. Reproductive Sciences, 2019, 26, 939-953.	1.1	14
39	Mitochondria as a biomarker for IVF outcome. Reproduction, 2019, 157, R235-R242.	1.1	41
40	Metabolism of the oocyte and the preimplantation embryo: implications for assisted reproduction. Current Opinion in Obstetrics and Gynecology, 2018, 30, 163-170.	0.9	19
41	The role of mitochondrial activity in female fertility and assisted reproductive technologies: overview and current insights. Reproductive BioMedicine Online, 2018, 36, 686-697.	1.1	75
42	Metabolic imaging with the use ofÂfluorescence lifetime imaging microscopy (FLIM) accurately detects mitochondrial dysfunction inÂmouse oocytes. Fertility and Sterility, 2018, 110, 1387-1397.	0.5	34
43	Mitochondrial unfolded protein response gene Clpp is required to maintain ovarian follicular reserve during aging, for oocyte competence, and development of preâ€implantation embryos. Aging Cell, 2018, 17, e12784.	3.0	71
44	How new technical knowledge impacts clinical approach to infertile patients. Current Opinion in Obstetrics and Gynecology, 2018, 30, 137-138.	0.9	0
45	Mitochondrial dysfunction and ovarian aging. American Journal of Reproductive Immunology, 2017, 77, e12651.	1.2	63
46	Embryonic poly(A)-binding protein is required at the preantral stage of mouse folliculogenesis for oocyteâ€“somatic communicationâ€. Biology of Reproduction, 2017, 96, 341-351.	1.2	20
47	Mitochondrial DNA as a biomarker for in-vitro fertilization outcome. Current Opinion in Obstetrics and Gynecology, 2016, 28, 158-163.	0.9	47
48	Cross-Talk Between FSH and Endoplasmic Reticulum Stress: A Mutually Suppressive Relationship. Reproductive Sciences, 2016, 23, 352-364.	1.1	17
49	Reproductive aging is associated with changes in oocyte mitochondrial dynamics, function, and mtDNA quantity. Maturitas, 2016, 93, 121-130.	1.0	72
50	Embryonic Poly(A)-Binding Protein (EPAB) Is Required for Granulosa Cell EGF Signaling and Cumulus Expansion in Female Mice. Endocrinology, 2016, 157, 405-416.	1.4	22
51	Ovarian Aging. Seminars in Reproductive Medicine, 2015, 33, 375-376.	0.5	11
52	Strategies for Controlled Ovarian Stimulation in the Setting of Ovarian Aging. Seminars in Reproductive Medicine, 2015, 33, 436-448.	0.5	7
53	Oocyte mitochondrial function and reproduction. Current Opinion in Obstetrics and Gynecology, 2015, 27, 175-181.	0.9	228
54	Oocyte Cryopreservation as a Preventive Measure for Age-Related Fertility Loss. Seminars in Reproductive Medicine, 2015, 33, 429-435.	0.5	19

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55	Poor ovarian response in women undergoing inÂvitro fertilization is associated with altered microRNA expression in cumulus cells. Fertility and Sterility, 2015, 103, 1469-1476.e3.	0.5	42
56	Metabolomic Prediction of Pregnancy Viability in Superovulated Cattle Embryos and Recipients with Fourier Transform Infrared Spectroscopy. BioMed Research International, 2014, 2014, 1-8.	0.9	28
57	Metabolomic Assessment of Embryo Viability. Seminars in Reproductive Medicine, 2014, 32, 141-152.	0.5	48
58	Minireview: Metabolism of Female Reproduction: Regulatory Mechanisms and Clinical Implications. Molecular Endocrinology, 2014, 28, 790-804.	3.7	49
59	Follicle-stimulating hormone receptor (FSHR) alternative skipping of exon 2 or 3 affects ovarian response to FSH. Molecular Human Reproduction, 2014, 20, 630-643.	1.3	25
60	Epab is dispensable for mouse spermatogenesis and male fertility. Molecular Reproduction and Development, 2014, 81, 390-390.	1.0	16
61	Non-invasive assessment of embryonic sex in cattle by metabolic fingerprinting of in vitro culture medium. Metabolomics, 2014, 10, 443-451.	1.4	27
62	Human embryonic poly(A)-binding protein (EPAB) alternative splicing is differentially regulated in human oocytes and embryos. Molecular Human Reproduction, 2014, 20, 59-65.	1.3	15
63	Characterization of the Gonadotropin Releasing Hormone Receptor (GnRHR) Expression and Activity in the Female Mouse Ovary. Endocrinology, 2013, 154, 3877-3887.	1.4	24
64	Natural birth-induced UCP2 in brain development. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 347-350.	2.6	5
65	Metabolomic Profiling of Embryos Using Spectroscopy. , 2013, , 275-280.		0
66	Gonadotropin-Releasing Hormone Agonists in Fertility Preservation. , 2013, , 183-199.		0
67	Embryonic poly(A)-binding protein (ePAB) phosphorylation is required for Xenopus oocyte maturation. Biochemical Journal, 2012, 445, 93-100.	1.7	28
68	Epab and Pabpc1 Are Differentially Expressed During Male Germ Cell Development. Reproductive Sciences, 2012, 19, 911-922.	1.1	27
69	Embryo assessment strategies and their validation for clinical use. Current Opinion in Obstetrics and Gynecology, 2012, 24, 141-150.	0.9	12
70	Embryonic poly(A)-binding protein (EPAB) is required for oocyte maturation and female fertility in mice. Biochemical Journal, 2012, 446, 47-58.	1.7	69
71	Gonadotropin-Releasing Hormone Agonists in Fertility Preservation. , 2012, , 145-157.		0
72	Fertility preservation as a public health issue: an epidemiological perspective. Current Opinion in Obstetrics and Gynecology, 2011, 23, 143-150.	0.9	17

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73	Receiver operating characteristic (ROC) analysis of day 5 morphology grading and metabolomic Viability Score on predicting implantation outcome. Journal of Assisted Reproduction and Genetics, 2011, 28, 137-144.	1.2	59
74	Assisted reproduction in a patient with Klippel-Trenaunay syndrome: management of thrombophilia and consumptive coagulopathy. Journal of Assisted Reproduction and Genetics, 2011, 28, 217-219.	1.2	9
75	Economics of assisted reproductive technologies. Current Opinion in Obstetrics and Gynecology, 2010, 22, 183-188.	0.9	26
76	Identification andin VitroCharacterization of Follicle Stimulating Hormone (FSH) Receptor Variants Associated with Abnormal Ovarian Response to FSH. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 529-536.	1.8	42
77	Noninvasive metabolomic profiling as an adjunct to morphology for noninvasive embryo assessment in women undergoing single embryo transfer. Fertility and Sterility, 2010, 94, 535-542.	0.5	142
78	OMICS in assisted reproduction: possibilities and pitfalls. Molecular Human Reproduction, 2010, 16, 513-530.	1.3	113
79	Noninvasive metabolomic profiling of human embryo culture media using Raman spectroscopy predicts embryonic reproductive potential: a prospective blinded pilot study. Fertility and Sterility, 2008, 90, 77-83.	0.5	178
80	Noninvasive metabolomic profiling of embryo culture media using proton nuclear magnetic resonance correlates with reproductive potential of embryos in women undergoing in vitro fertilization. Fertility and Sterility, 2008, 90, 2183-2189.	0.5	168
81	Evaluation of Embryo Quality by Metabolomics: A New Strategy to Aid Single Embryo Transfer. Journal of Mammalian Ova Research, 2008, 25, 26-31.	0.1	5
82	Metabolomics and its application for non-invasive embryo assessment in IVF. Molecular Human Reproduction, 2008, 14, 679-690.	1.3	202
83	Alternative splicing of the mouse embryonic poly(A) binding protein (Epab) mRNA is regulated by an exonic splicing enhancer: a model for post-transcriptional control of gene expression in the oocyte. Molecular Human Reproduction, 2008, 14, 393-398.	1.3	9
84	Identification and characterization of human embryonic poly(A) binding protein (EPAB). Molecular Human Reproduction, 2008, 14, 581-588.	1.3	48
85	Metabolomic profiling of embryo culture media to predict IVF outcome. Expert Review of Obstetrics and Gynecology, 2008, 3, 441-447.	0.4	7
86	Assessment of embryo viability in assisted reproductive technology: shortcomings of current approaches and the emerging role of metabolomics. Current Opinion in Obstetrics and Gynecology, 2008, 20, 234-241.	0.9	111
87	Estrogen increases apoptosis in the arterial wall in a murine atherosclerosis model. Fertility and Sterility, 2007, 88, 1190-1196.	0.5	14
88	Noninvasive metabolomic profiling of embryo culture media using Raman and near-infrared spectroscopy correlates with reproductive potential of embryos in women undergoing in vitro fertilization. Fertility and Sterility, 2007, 88, 1350-1357.	0.5	255
89	Estradiol Increases Apoptosis in Human Coronary Artery Endothelial Cells by Up-Regulating Fas and Fas Ligand Expression. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4995-5001.	1.8	29
90	Metazoan oocyte and early embryo development program: a progression through translation regulatory cascades. Genes and Development, 2006, 20, 138-146.	2.7	69

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91	Fertility preservation options for female patients with malignancies. Current Opinion in Obstetrics and Gynecology, 2005, 17, 299-308.	0.9	122
92	An embryonic poly(A)-binding protein (ePAB) is expressed in mouse oocytes and early preimplantation embryos. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 367-372.	3.3	100
93	Removal of hydrosalpinges increases endometrial leukaemia inhibitory factor (LIF) expression at the time of the implantation window. Human Reproduction, 2005, 20, 3012-3017.	0.4	65
94	Spermatozoal nuclear determinants of reproductive outcome: implications for ART. Human Reproduction Update, 2005, 11, 337-349.	5.2	119
95	Treatment of PCOS with metformin and other insulin-sensitizing agents. Current Diabetes Reports, 2004, 4, 69-75.	1.7	38
96	Extent of nuclear DNA damage in ejaculated spermatozoa impacts on blastocyst development after in vitro fertilization. Fertility and Sterility, 2004, 82, 378-383.	0.5	367
97	Pathogenesis of endometriosis. Obstetrics and Gynecology Clinics of North America, 2003, 30, 41-61.	0.7	131
98	Endometriosis: Interaction of Immune and Endocrine Systems. Seminars in Reproductive Medicine, 2003, 21, 135-144.	0.5	84
99	Should patients with polycystic ovarian syndrome be treated with metformin?. Human Reproduction, 2002, 17, 2230-2236.	0.4	26
100	Optimizing ovulation induction in women with polycystic ovary syndrome. Current Opinion in Obstetrics and Gynecology, 2002, 14, 245-254.	0.9	16
101	Estradiol down-regulates MCP-1 expression in human coronary artery endothelial cells. Fertility and Sterility, 2002, 77, 542-547.	0.5	59
102	The reproductive system from an immunologic perspective. Immunology and Allergy Clinics of North America, 2002, 22, 383-405.	0.7	2
103	Estradiol suppresses vascular monocyte chemotactic protein-1 expression during early atherogenesis. American Journal of Obstetrics and Gynecology, 2002, 187, 1544-1549.	0.7	14
104	The Peritoneal Fluid Levels of Interleukinâ€12 in Women with Endometriosis. American Journal of Reproductive Immunology, 1998, 39, 152-156.	1.2	23
105	Interleukin-8 Induces Proliferation of Endometrial Stromal Cells: a Potential Autocrine Growth Factor1. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 1201-1205.	1.8	134
106	Interleukin-8 in the Human Endometrium¹. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 1783-1787.	1.8	130
107	GrowthâRegulated Î± Expression in Human Preovulatory Follicles and Ovarian Cells. American Journal of Reproductive Immunology, 1997, 38, 19-25.	1.2	28