Denny Sakkas

List of Publications by Year
in descending order

85 papers	6,520 citations	101384 36 h-index	64668 79 g-index
87 all docs	87 docs citations	87 times ranked	4211 citing authors

#	Article	IF	Citations
1	Sperm DNA fragmentation: mechanisms of origin, impact on reproductive outcome, and analysis. Fertility and Sterility, 2010, 93, 1027-1036.	0.5	599
2	Preimplantation genetic testing for aneuploidy versus morphology as selection criteria for single frozen-thawed embryo transfer in good-prognosis patients: a multicenter randomized clinical trial. Fertility and Sterility, 2019, 112, 1071-1079.e7.	0.5	379
3	Nature of DNA Damage in Ejaculated Human Spermatozoa and the Possible Involvement of Apoptosis1. Biology of Reproduction, 2002, 66, 1061-1067.	1.2	377
4	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
5	Abnormal Sperm Parameters in Humans Are Indicative of an Abortive Apoptotic Mechanism Linked to the Fas-Mediated Pathway. Experimental Cell Research, 1999, 251, 350-355.	1.2	307
6	Male Oxidative Stress Infertility (MOSI): Proposed Terminology and Clinical Practice Guidelines for Management of Idiopathic Male Infertility. World Journal of Men?s Health, 2019, 37, 296.	1.7	256
7	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
8	Abnormal spermatozoa in the ejaculate: abortive apoptosis and faulty nuclear remodelling during spermatogenesis. Reproductive BioMedicine Online, 2003, 7, 428-432.	1.1	236
9	Intracytoplasmic sperm injection: a novel selection method for sperm with normal frequency of chromosomal aneuploidies. Fertility and Sterility, 2005, 84, 1665-1673.	0.5	219
10	Fertility testing and ICSI sperm selection by hyaluronic acid binding: clinical and genetic aspects. Reproductive BioMedicine Online, 2007, 14, 650-663.	1.1	205
11	Metabolomics and its application for non-invasive embryo assessment in IVF. Molecular Human Reproduction, 2008, 14, 679-690.	1.3	202
12	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
13	Sperm selection in natural conception: what can we learn from Mother Nature to improve assisted reproduction outcomes?. Human Reproduction Update, 2015, 21, 711-726.	5.2	177
14	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
15	From oocyte to baby: a clinical evaluation of the biological efficiency of in vitro fertilization. Fertility and Sterility, 2009, 91, 1061-1066.	0.5	152
16	Cellular maturity and apoptosis in human sperm: creatine kinase, caspase-3 and Bcl-XL levels in mature and diminished maturity sperm. Molecular Human Reproduction, 2004, 10, 365-372.	1.3	147
17	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
18	Chromatin packaging and morphology in ejaculated human spermatozoa: evidence of hidden anomalies in normal spermatozoa. Molecular Human Reproduction, 1996, 2, 139-144.	1.3	134

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19	Spermatozoal nuclear determinants of reproductive outcome: implications for ART. Human Reproduction Update, 2005, 11, 337-349.	5.2	119
20	Noninvasive methods to assess embryo quality. Current Opinion in Obstetrics and Gynecology, 2005, 17, 283-288.	0.9	105
21	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
22	Paternal factors contributing to embryo quality. Journal of Assisted Reproduction and Genetics, 2018, 35, 1953-1968.	1.2	97
23	Assisted reproductive technology outcomes in female-to-male transgender patients compared with cisgender patients: a new frontier in reproductive medicine. Fertility and Sterility, 2019, 112, 858-865.	0.5	92
24	Day 3 embryo selection by metabolomic profiling of culture medium with near-infrared spectroscopy as an adjunct to morphology: a randomized controlled trial. Human Reproduction, 2012, 27, 2304-2311.	0.4	91
25	The significance of sperm nuclear DNA strand breaks on reproductive outcome. Current Opinion in Obstetrics and Gynecology, 2005, 17, 255-260.	0.9	82
26	Burden of care is the primary reason why insured women terminate inÂvitro fertilization treatment. Fertility and Sterility, 2018, 109, 1121-1126.	0.5	81
27	Novel technologies for selecting the best sperm for in vitro fertilization and intracytoplasmic sperm injection. Fertility and Sterility, 2013, 99, 1023-1029.	0.5	77
28	Multicenter prospective study of concordance between embryonic cell-free DNA and trophectoderm biopsies from 1301 human blastocysts. American Journal of Obstetrics and Gynecology, 2020, 223, 751.e1-751.e13.	0.7	75
29	How many oocytes are optimal toÂachieve multiple live births withÂone stimulation cycle? TheÂone-and-done approach. Fertility and Sterility, 2017, 107, 397-404.e3.	0.5	74
30	The presence of abnormal spermatozoa in the ejaculate: Did apoptosis fail?. Human Fertility, 2004, 7, 99-103.	0.7	70
31	Role of increased male age in IVF and egg donation: is sperm DNA fragmentation responsible?. Fertility and Sterility, 2013, 99, 30-36.	0.5	70
32	Sperm selection methods in the 21st century. Biology of Reproduction, 2019, 101, 1076-1082.	1.2	56
33	A soluble molecule secreted by human blastocysts modulates regulation of HOXA10 expression in an epithelial endometrial cell line. Fertility and Sterility, 2003, 80, 1169-1174.	0.5	48
34	Subzonal sperm microinjection in cases of severe male factor infertility and repeated in vitro fertilization failure**Supported in part by funds from the National Health and Medical Research Council of Australia, Melbourne, Victoria, Australia, as a project grant to Alan Trounson, Ph.D.. Fertility and Sterility, 1992, 57, 1279-1288.	0.5	46
35	Pathogenesis, developmental consequences, and clinical correlations of human embryo fragmentation. Fertility and Sterility, 2011, 95, 1197-1204.	0.5	44
36	To test or not to test? A framework for counselling patients on preimplantation genetic testing for aneuploidy (PGT-A). Human Reproduction, 2019, 34, 268-275.	0.4	44

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37	Sperm Nuclear DNA Damage in the Human. Advances in Experimental Medicine and Biology, 2003, 518, 73-84.	0.8	44
38	Deoxyribonucleic acid repair and apoptosis in testicular germ cells of aging fertile men: the role of the poly(adenosine diphosphate-ribosyl)ation pathway. Fertility and Sterility, 2009, 91, 2221-2229.	0.5	38
39	Co-culture of the early human embryo: Factors affecting human blastocyst formation in vitro. Microscopy Research and Technique, 1995, 32, 50-56.	1.2	36
40	Will noninvasive methods surpass invasive for assessing gametes and embryos?. Fertility and Sterility, 2017, 108, 730-737.	0.5	34
41	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
42	Combined noninvasive metabolic and spindle imaging as potential tools for embryo and oocyte assessment. Human Reproduction, 2019, 34, 2349-2361.	0.4	34
43	No change in live birthweight of IVF singleton deliveries over an 18-year period despite significant clinical and laboratory changes. Human Reproduction, 2016, 31, 1987-1996.	0.4	32
44	Hippo signaling in the ovary and polycystic ovarian syndrome. Journal of Assisted Reproduction and Genetics, 2018, 35, 1763-1771.	1.2	32
45	Personalized ovarian stimulation for assisted reproductive technology: study design considerations to move from hype to added value for patients. Fertility and Sterility, 2018, 109, 968-979.	0.5	28
46	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
47	Use of the egg-share model to investigate the paternal influence on fertilization and embryo development after in vitro fertilization and intracytoplasmic sperm injection. Fertility and Sterility, 2004, 82, 74-79.	0.5	24
48	The use of propensity score matching to assess the benefit of the endometrial receptivity analysis in frozen embryo transfers. Fertility and Sterility, 2021, 116, 396-403.	0.5	24
49	Comparison of pregnancy outcomes following preimplantation genetic testing for aneuploidy using a matched propensity score design. Human Reproduction, 2020, 35, 2356-2364.	0.4	23
50	Blasts from the past: is morphology useful in PGT-A tested and untested frozen embryo transfers?. Reproductive BioMedicine Online, 2020, 41, 981-989.	1.1	22
51	Laboratory Procedures for Human In Vitro Fertilization. Seminars in Reproductive Medicine, 2014, 32, 272-282.	0.5	18
52	Multiple cryopreservationâ€“warming cycles, coupled with blastocyst biopsy, negatively affect IVF outcomes. Reproductive BioMedicine Online, 2021, 42, 572-578.	1.1	14
53	Metabolic state of human blastocysts measured by fluorescence lifetime imaging microscopy. Human Reproduction, 2022, 37, 411-427.	0.4	13
54	Fertility technologies and how to optimize laboratory performance to support the shortening of time to birth of a healthy singleton: a Delphi consensus. Journal of Assisted Reproduction and Genetics, 2021, 38, 1021-1043.	1.2	12

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55	Perinatal outcomes in singleton pregnancies after inÂvitro fertilization cycles over 24 years. Fertility and Sterility, 2021, 116, 27-35.	0.5	12
56	A multi-centre international study of salivary hormone oestradiol and progesterone measurements in ART monitoring. Reproductive BioMedicine Online, 2021, 42, 421-428.	1.1	11
57	Fluorescence lifetime imaging microscopy (FLIM) detects differences in metabolic signatures between euploid and aneuploid human blastocysts. Human Reproduction, 2022, 37, 400-410.	0.4	11
58	Elevated progesterone and its impact on birth weight after fresh embryo transfers. Journal of Assisted Reproduction and Genetics, 2017, 34, 759-764.	1.2	10
59	Embryo donation: Survey of in-vitro fertilization (IVF) patients and randomized trial of complimentary counseling. PLoS ONE, 2019, 14, e0221149.	1.1	9
60	Endometrial compaction does not predict live birth in single euploid frozen embryo transfers: a prospective study. Human Reproduction, 2022, 37, 980-987.	0.4	9
61	A diagnosis of diminished ovarian reserve does not impact embryo aneuploidy or live birth rates compared to patients with normal ovarian reserve. Fertility and Sterility, 2022, 118, 504-512.	0.5	9
62	The impact of younger age on treatment discontinuation in insured IVF patients. Journal of Assisted Reproduction and Genetics, 2017, 34, 209-215.	1.2	8
63	Is younger better? Donor age less than 25 does not predict more favorable outcomes after in vitro fertilization. Journal of Assisted Reproduction and Genetics, 2019, 36, 1631-1637.	1.2	8
64	Metabolomic profiling of embryo culture media to predict IVF outcome. Expert Review of Obstetrics and Gynecology, 2008, 3, 441-447.	0.4	7
65	Biomarkers in reproductive medicine: the quest for new answers. Human Reproduction Update, 2015, 21, 695-697.	5.2	7
66	Time-lapse videography for embryo selection/de-selection: a bright future or fading star?. Human Fertility, 2020, 23, 76-82.	0.7	7
67	FLUORESCENCE LIFETIME IMAGING MICROSCOPY (FLIM) DETECTS DIFFERENCES IN METABOLIC SIGNATURES BETWEEN EUPLOID AND ANEUPLOID HUMAN BLASTOCYSTS. Fertility and Sterility, 2020, 114, e76-e77.	0.5	7
68	The effect of rapid and delayed insemination on reproductive outcome in conventional insemination and intracytoplasmic sperm injection in vitro fertilization cycles. Journal of Assisted Reproduction and Genetics, 2021, 38, 2697-2706.	1.2	7
69	Birthweight and the effects of culture media. Human Reproduction, 2017, 32, 717-718.	0.4	6
70	Implantation Rate Remains Unaffected in Women with Endometriosis Compared to Tubal Factor Infertility. Journal of Endometriosis, 2011, 3, 86-92.	1.0	5
71	Double trouble? Clinic-specific risk factors for monozygotic twinning. Fertility and Sterility, 2020, 114, 587-594.	0.5	4
72	InÂvitro fertilization and andrology laboratory in 2030: expert visions. Fertility and Sterility, 2021, 116, 4-12.	0.5	4

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73	Blastocyst transfer for patients with multiple assisted reproduction treatment failures: Preliminary experience. Human Fertility, 2001, 4, 104-108.	0.7	3
74	Evaluation of a high implantation potential (HIP) embryo grading system designed to reduce multiple pregnancy. Journal of Reproductive Health and Medicine, 2016, 2, 11-16.	0.3	3
75	Apoptosis in Ejaculated Spermatozoa and in the Normal and Pathological Testes: Abortive Apoptosis and Sperm Chromatin Damage. , 2018, , 197-218.		3
76	Cleavage in the preimplantation embryo: it is all about being in the right place at the right time!. Molecular Human Reproduction, 2016, 22, 679-680.	1.3	2
77	Elevated serum progesterone during in vitro fertilization treatment and the risk of ischemic placental disease. Pregnancy Hypertension, 2021, 24, 7-12.	0.6	2
78	Single cell analysis of DNA in more than 10,000 individual sperm from men with abnormal reproductive outcomes. Journal of Assisted Reproduction and Genetics, 2021, 38, 2975-2983.	1.2	2
79	The psychological impact of the coronavirus disease 2019 pandemic on women who become pregnant after receiving treatment for infertility: a longitudinal study. F&S Reports, 2022, 3, 71-78.	0.4	2
80	The effect of interpregnancy interval on preterm birth and low birth weightÂin singleton pregnancies conceived without assistance or byÂinfertility treatments. Fertility and Sterility, 2022, 118, 550-559.	0.5	2
81	Assessment of Oocyte and Embryo Quality in Women with Endometriosis. Journal of Endometriosis, 2010, 2, 87-94.	1.0	1
82	The IVF Cycle to Come: Laboratory Innovations. , 2020, , 54-66.		1
83	Physiology and Culture of the Early Human Embryo. , 2019, , 232-244.		0
84	Patient Retention, Nursing Retention: The Importance of Empathic Communication and Nursing Support. , 2020, , 146-155.		0
85	Identification of miR-34-3p as a Candidate Follicular Phase Serum Marker for Endometriosis: a pilot study. F&S Science, 2022, , .	0.5	0