

Sherman J Silber

List of Publications by Year in descending order

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106
papers

11,039
citations

30070

54
h-index

40979

93
g-index

107
all docs

107
docs citations

107
times ranked

4870
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse spermatogenic defects in humans caused by Y chromosome deletions encompassing a novel RNA-binding protein gene. <i>Nature Genetics</i> , 1995, 10, 383-393.	21.4	1,183
2	The AZFc region of the Y chromosome features massive palindromes and uniform recurrent deletions in infertile men. <i>Nature Genetics</i> , 2001, 29, 279-286.	21.4	617
3	Recombination between Palindromes P5 and P1 on the Human Y Chromosome Causes Massive Deletions and Spermatogenic Failure. <i>American Journal of Human Genetics</i> , 2002, 71, 906-922.	6.2	410
4	Andrology: Conventional in-vitro fertilization versus intracytoplasmic sperm injection for patients requiring microsurgical sperm aspiration. <i>Human Reproduction</i> , 1994, 9, 1705-1709.	0.9	367
5	An azoospermic man with a de novo point mutation in the Y-chromosomal gene USP9Y. <i>Nature Genetics</i> , 1999, 23, 429-432.	21.4	345
6	Children born after autotransplantation of cryopreserved ovarian tissue. A review of 13 live births. <i>Annals of Medicine</i> , 2011, 43, 437-450.	3.8	309
7	Normal fertilization of human oocytes after testicular sperm extraction and intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 1994, 62, 639-641.	1.0	298
8	Clinical characterization of 42 oligospermic or azoospermic men with microdeletion of the AZFc region of the Y chromosome, and of 18 children conceived via ICSI. <i>Human Reproduction</i> , 2002, 17, 2813-2824.	0.9	259
9	Ovarian Transplantation between Monozygotic Twins Discordant for Premature Ovarian Failure. <i>New England Journal of Medicine</i> , 2005, 353, 58-63.	27.0	254
10	Isodicentric Y Chromosomes and Sex Disorders as Byproducts of Homologous Recombination that Maintains Palindromes. <i>Cell</i> , 2009, 138, 855-869.	28.9	232
11	Genetics: The use of epididymal and testicular spermatozoa for intracytoplasmic sperm injection: the genetic implications for male infertility. <i>Human Reproduction</i> , 1995, 10, 2031-2043.	0.9	230
12	Successful vitrification of bovine and human ovarian tissue. <i>Reproductive BioMedicine Online</i> , 2009, 18, 568-577.	2.4	230
13	Congenital Absence of the Vas Deferens. <i>New England Journal of Medicine</i> , 1990, 323, 1788-1792.	27.0	226
14	Men with infertility caused by AZFc deletion can produce sons by intracytoplasmic sperm injection, but are likely to transmit the deletion and infertility. <i>Human Reproduction</i> , 1999, 14, 1722-1726.	0.9	214
15	Duration of fertility after fresh and frozen ovary transplantation. <i>Fertility and Sterility</i> , 2010, 94, 2191-2196.	1.0	214
16	Forty years of IVF. <i>Fertility and Sterility</i> , 2018, 110, 185-324.e5.	1.0	211
17	Pregnancy with sperm aspiration from the proximal head of the epididymis: A new treatment for congenital absence of the vas deferens. <i>Fertility and Sterility</i> , 1988, 50, 525-528.	1.0	207
18	Normal pregnancies resulting from testicular sperm extraction and intracytoplasmic sperm injection for azoospermia due to maturation arrest. <i>Fertility and Sterility</i> , 1996, 66, 110-117.	1.0	207

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19	A family of human Y chromosomes has dispersed throughout northern Eurasia despite a 1.8-Mb deletion in the azoospermia factor c region. <i>Genomics</i> , 2004, 83, 1046-1052.	2.9	196
20	Microscopic Vasectomy Reversal. <i>Fertility and Sterility</i> , 1977, 28, 1191-1202.	1.0	190
21	Microscopic Vasoepididymostomy: Specific Microanastomosis To The Epididymal Tubule. <i>Fertility and Sterility</i> , 1978, 30, 565-571.	1.0	186
22	Fertility preservation for age-related fertility decline. <i>Lancet, The</i> , 2014, 384, 1311-1319.	13.7	182
23	Quantitative analysis of testicle biopsy: determination of partial obstruction and prediction of sperm count after surgery for obstruction. <i>Fertility and Sterility</i> , 1981, 36, 480-485.	1.0	172
24	Chromosomal abnormalities in embryos derived from testicular sperm extraction. <i>Fertility and Sterility</i> , 2003, 79, 30-38.	1.0	162
25	<i>TEX11L1</i> is mutated in infertile men with azoospermia and regulates genome-wide recombination rates in mouse. <i>EMBO Molecular Medicine</i> , 2015, 7, 1198-1210.	6.9	145
26	Successful Autotransplantation of an Intra-Abdominal Testis to the Scrotum by Microvascular Technique. <i>Journal of Urology</i> , 1976, 115, 452-454.	0.4	141
27	Successful Pregnancy after Microsurgical Transplantation of an Intact Ovary. <i>New England Journal of Medicine</i> , 2008, 359, 2617-2618.	27.0	139
28	Vasectomy and Vasectomy Reversal. <i>Fertility and Sterility</i> , 1978, 29, 125-140.	1.0	135
29	Fertilization and early embryology: Ongoing pregnancies and birth after intracytoplasmic sperm injection with frozen-thawed epididymal spermatozoa. <i>Human Reproduction</i> , 1995, 10, 903-906.	0.9	128
30	Role of semen analysis in subfertile couples. <i>Fertility and Sterility</i> , 2011, 95, 1013-1019.	1.0	128
31	Sertoli cell only revisited. <i>Human Reproduction</i> , 1995, 10, 1031-1032.	0.9	124
32	Epididymal Extravasation following Vasectomy as a cause for failure of Vasectomy Reversal. <i>Fertility and Sterility</i> , 1979, 31, 309-315.	1.0	123
33	Unraveling transcriptome dynamics in human spermatogenesis. <i>Development (Cambridge)</i> , 2017, 144, 3659-3673.	2.5	117
34	Ovarian tissue cryopreservation and transplantation: scientific implications. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 1595-1603.	2.5	112
35	Ovarian Transplantation in a Series of Monozygotic Twins Discordant for Ovarian Failure. <i>New England Journal of Medicine</i> , 2007, 356, 1382-1384.	27.0	111
36	Open-Ended Vasectomy, Sperm Granuloma, and Postvasectomy Orchialgia. <i>Fertility and Sterility</i> , 1979, 32, 546-550.	1.0	109

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37	Results of microsurgical vasoepididymostomy: role of epididymis in sperm maturation. Human Reproduction, 1989, 4, 298-303.	0.9	106
38	Long-term duration of function of ovarian tissue transplants: case reports. Reproductive BioMedicine Online, 2012, 25, 128-132.	2.4	103
39	Perfect Anatomical Reconstruction of Vas Deferens with A New Microscopic Surgical Technique. Fertility and Sterility, 1977, 28, 72-77.	1.0	100
40	Pregnancy after vasovasostomy for vasectomy reversal: a study of factors affecting long-term return of fertility in 282 patients followed for 10 years. Human Reproduction, 1989, 4, 318-322.	0.9	98
41	Microscopic Vasectomy Reversal 30 Years Later: A Summary of 4010 Cases by the Same Surgeon. Journal of Andrology, 2004, 25, 845-859.	2.0	87
42	Oocyte vitrificationâ€”Women's emancipation set in stone. Fertility and Sterility, 2009, 91, 1319-1320.	1.0	85
43	Evaluation of ovarian tissue transplantation: results from three clinical centers. Fertility and Sterility, 2020, 114, 388-397.	1.0	84
44	Transmission of male infertility to future generations: lessons from the Y chromosome. Human Reproduction Update, 2002, 8, 217-229.	10.8	82
45	Cryopreservation and transplantation of ovarian tissue: results from one center in the USA. Journal of Assisted Reproduction and Genetics, 2018, 35, 2205-2213.	2.5	82
46	Pregnancy caused by sperm from vasa efferentia. Fertility and Sterility, 1988, 49, 373-375.	1.0	80
47	Transplantation of a Human Testis for Anorchia. Fertility and Sterility, 1978, 30, 181-187.	1.0	76
48	Microsurgery in clinical urology. Urology, 1975, 6, 150-153.	1.0	74
49	Microscopic Vasovasostomy and Spermatogenesis. Journal of Urology, 1977, 117, 299-302.	0.4	73
50	Fresh and cryopreserved ovary transplantation and resting follicle recruitment. Reproductive BioMedicine Online, 2015, 30, 643-650.	2.4	69
51	Minimal ovarian stimulation (mini-IVF) for IVF utilizing vitrification and cryopreserved embryo transfer. Reproductive BioMedicine Online, 2010, 21, 485-495.	2.4	68
52	Ejaculatory Duct Obstruction. Journal of Urology, 1980, 124, 294-297.	0.4	65
53	Apoptosis of mural granulosa cells is increased in women with diminished ovarian reserve. Journal of Assisted Reproduction and Genetics, 2019, 36, 1225-1235.	2.5	63
54	Andrology: Cystic fibrosis mutations impair the fertilization rate of epididymal sperm from men with congenital absence of the vas deferens. Human Reproduction, 1993, 8, 1259-1263.	0.9	56

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55	Intrinsic fertility of human oocytes. <i>Fertility and Sterility</i> , 2017, 107, 1232-1237.	1.0	56
56	Environmental versus genetic sex determination: a possible factor in dinosaur extinction?. <i>Fertility and Sterility</i> , 2004, 81, 954-964.	1.0	55
57	Microsurgical Aspects of Varicocele. <i>Fertility and Sterility</i> , 1979, 31, 230-232.	1.0	53
58	Production of the first offspring from oocytes derived from fresh and cryopreserved pre-antral follicles of adult mice. <i>Reproductive BioMedicine Online</i> , 2007, 14, 693-699.	2.4	53
59	Live birth rates after MESA or TESE in men with obstructive azoospermia: is there a difference?. <i>Human Reproduction</i> , 2015, 30, 761-766.	0.9	52
60	The varicocele dilemma. <i>Human Reproduction Update</i> , 2001, 7, 70-77.	10.8	45
61	Vasoe epididymostomy to the Head of the Epididymis: Recovery of Normal Spermatozoal Motility. <i>Fertility and Sterility</i> , 1980, 34, 149-153.	1.0	44
62	Quantitative evaluation of spermatogenesis by testicular histology in men with congenital absence of the vas deferens undergoing epididymal sperm aspiration. <i>Human Reproduction</i> , 1990, 5, 89-93.	0.9	43
63	Fresh and cryopreserved ovarian tissue transplantation for preserving reproductive and endocrine function: a systematic review and individual patient data meta-analysis. <i>Human Reproduction Update</i> , 2022, 28, 400-416.	10.8	43
64	Evaluation and Treatment of Male Infertility. <i>Clinical Obstetrics and Gynecology</i> , 2000, 43, 854-888.	1.1	40
65	Growth of Baby Kidneys Transplanted Into Adults. <i>Archives of Surgery</i> , 1976, 111, 75.	2.2	38
66	The Y chromosome in the era of intracytoplasmic sperm injection: a personal review. <i>Fertility and Sterility</i> , 2011, 95, 2439-2448.e5.	1.0	35
67	Vasectomy and Its Microsurgical Reversal. <i>Urologic Clinics of North America</i> , 1978, 5, 573-584.	1.8	35
68	Round spermatid injection. <i>Fertility and Sterility</i> , 2000, 73, 897-900.	1.0	31
69	Live birth following day surgery reversal of female sterilisation in women older than 40 years: a realistic option in Australia?. <i>Medical Journal of Australia</i> , 2007, 187, 271-273.	1.7	31
70	Fresh Ovarian Tissue and Whole Ovary Transplantation. <i>Seminars in Reproductive Medicine</i> , 2009, 27, 479-485.	1.1	27
71	Unifying theory of adult resting follicle recruitment and fetal oocyte arrest. <i>Reproductive BioMedicine Online</i> , 2015, 31, 472-475.	2.4	27
72	Intra-cytoplasmic sperm injection and infertility. <i>Nature Genetics</i> , 2001, 29, 131-131.	21.4	26

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73	Long-term economic benefits attributed to IVF-conceived children: a lifetime tax calculation. <i>American Journal of Managed Care</i> , 2008, 14, 598-604.	1.1	23
74	Unexpected resilience of species with temperature-dependent sex determination at the Cretaceous-Palaeogene boundary. <i>Biology Letters</i> , 2011, 7, 295-298.	2.3	20
75	Compensatory and Obligatory Renal Growth in Babies and Adults. <i>ANZ Journal of Surgery</i> , 1974, 44, 421-423.	0.7	17
76	Oophorectomy for Fertility Preservation via Reduced-Port Laparoscopic Surgery. <i>Surgical Innovation</i> , 2013, 20, 219-224.	0.9	16
77	Success rates in minimal stimulation cycle IVF with clomiphene citrate only. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 297-304.	2.5	15
78	EDITORIAL: THE CURE AND PROLIFERATION OF MALE INFERTILITY. <i>Journal of Urology</i> , 1998, 160, 2072-2073.	0.4	14
79	Sperm retrieval for azoospermia and intracytoplasmic sperm injection success rates – A personal overview. <i>Human Fertility</i> , 2010, 13, 247-256.	1.7	14
80	How Ovarian Transplantation Works and How Resting Follicle Recruitment Occurs: A Review of Results Reported from One Center. <i>Women's Health</i> , 2016, 12, 217-227.	1.5	14
81	In-vitro maturation and transplantation of cryopreserved ovary tissue: understanding ovarian longevity. <i>Reproductive BioMedicine Online</i> , 2022, 44, 504-514.	2.4	12
82	Reversal of Vasectomy and the Treatment of Male Infertility. <i>Journal of Andrology</i> , 1980, 1, 261-268.	2.0	11
83	Ultrastructure of human sperm in men with congenital absence of the vas deferens: clinical implications. <i>Fertility and Sterility</i> , 1992, 58, 190-193.	1.0	11
84	APPLYING CLINICALLY PROVEN HUMAN TECHNIQUES FOR CONTRACEPTION AND FERTILITY TO ENDANGERED SPECIES AND ZOO ANIMALS: A REVIEW. <i>Journal of Zoo and Wildlife Medicine</i> , 2013, 44, S111-S122.	0.6	10
85	The varicocele argument resurfaces. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 1079-1082.	2.5	9
86	To Transplant or Not to Transplant – That Is the Question. <i>Cancer Treatment and Research</i> , 2010, 156, 41-54.	0.5	9
87	New concepts in operative andrology: a review*. <i>Journal of Developmental and Physical Disabilities</i> , 2000, 23, 66-76.	3.6	8
88	PRELIMINARY TESTS OF A NEW REVERSIBLE MALE CONTRACEPTIVE IN BUSH DOG, SPEOTHOS VENATICUS: OPEN-ENDED VASECTOMY AND MICROSCOPIC REVERSAL. <i>Journal of Zoo and Wildlife Medicine</i> , 2006, 37, 313-317.	0.6	8
89	Chapter 13 Human Ovarian Tissue Vitrification. <i>Methods in Molecular Biology</i> , 2017, 1568, 177-194.	0.9	7
90	Long-term function of ovarian tissue transplants. <i>Middle East Fertility Society Journal</i> , 2012, 17, 215-220.	1.5	6

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91	Fundamentals of Male Infertility. , 2018, , .		4
92	Testis Development, Embryology, and Anatomy. , 2018, , 3-12.		2
93	Ovarian Tissue Cryopreservation and Transplantation. , 2019, , 81-88.		2
94	Fresh and cryopreserved ovarian tissue from deceased young donors yields viable follicles. F&S Science, 2021, 2, 248-258.	0.9	2
95	Testis Biopsy and the Infertile Male. , 2005, , 215-240.		2
96	Adult Testis Anatomy. , 2018, , 19-21.		2
97	Human male infertility, the Y chromosome, and dinosaur extinction. Middle East Fertility Society Journal, 2011, 16, 114-120.	1.5	1
98	When "facts" are not facts: what does p value really mean, and how does it deceive us?. Journal of Assisted Reproduction and Genetics, 2020, 37, 1303-1310.	2.5	1
99	Ovarian Tissue Cryopreservation and Transplantation: Scientific and Clinical Implications. , 2022, , 143-161.		1
100	Pregnancy after ovarian transplantation. , 0, , 137-148.		0
101	Transplantation of ovarian tissue or immature oocytes to preserve and restore fertility in humans. , 0, , 430-442.		0
102	Azoospermia. , 2018, , 77-125.		0
103	The Development of Microsurgery for Male and Female Infertility. , 0, , 208-213.		0
104	Ovarian Tissue Cryopreservation. , 2019, , 713-720.		0
105	Genetics of Male Infertility: Evolution of the X and Y Chromosome and Transmission of Male Infertility to Future Generations. , 2004, , 111-149.		0
106	Improving IVF Results: How Far Can We Tamper with Human Biology?. Reproductive Medicine for Clinicians, 2018, , 77-82.	0.2	0