

Sherman J Silber

List of Publications by Citations

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103
papers

9,142
citations

50
h-index

95
g-index

107
ext. papers

10,042
ext. citations

8
avg. IF

5.97
L-index

#	Paper	IF	Citations
103	Diverse spermatogenic defects in humans caused by Y chromosome deletions encompassing a novel RNA-binding protein gene. <i>Nature Genetics</i> , 1995 , 10, 383-93	36.3	1035
102	The AZFc region of the Y chromosome features massive palindromes and uniform recurrent deletions in infertile men. <i>Nature Genetics</i> , 2001 , 29, 279-86	36.3	519
101	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, 906-22	11	351
100	Conventional in-vitro fertilization versus intracytoplasmic sperm injection for patients requiring microsurgical sperm aspiration. <i>Human Reproduction</i> , 1994 , 9, 1705-9	5.7	305
99	An azoospermic man with a de novo point mutation in the Y-chromosomal gene USP9Y. <i>Nature Genetics</i> , 1999 , 23, 429-32	36.3	299
98	Children born after autotransplantation of cryopreserved ovarian tissue. a review of 13 live births. <i>Annals of Medicine</i> , 2011 , 43, 437-50	1.5	272
97	Normal fertilization of human oocytes after testicular sperm extraction and intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 1994 , 62, 639-41	4.8	261
96	Ovarian transplantation between monozygotic twins discordant for premature ovarian failure. <i>New England Journal of Medicine</i> , 2005 , 353, 58-63	59.2	216
95	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, 2813-24	5.7	211
94	The use of epididymal and testicular spermatozoa for intracytoplasmic sperm injection: the genetic implications for male infertility. <i>Human Reproduction</i> , 1995 , 10, 2031-43	5.7	200
93	Congenital absence of the vas deferens. The fertilizing capacity of human epididymal sperm. <i>New England Journal of Medicine</i> , 1990 , 323, 1788-92	59.2	195
92	Duration of fertility after fresh and frozen ovary transplantation. <i>Fertility and Sterility</i> , 2010 , 94, 2191-6	4.8	193
91	Successful vitrification of bovine and human ovarian tissue. <i>Reproductive BioMedicine Online</i> , 2009 , 18, 568-77	4	185
90	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, 1722-6	5.7	185
89	Isodicentric Y chromosomes and sex disorders as byproducts of homologous recombination that maintains palindromes. <i>Cell</i> , 2009 , 138, 855-69	56.2	182
88	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, 525-8	4.8	173
87	Normal pregnancies resulting from testicular sperm extraction and intracytoplasmic sperm injection for azoospermia due to maturation arrest. <i>Fertility and Sterility</i> , 1996 , 66, 110-7	4.8	171

86	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, 1046-52	4.3	166
85	Microscopic Vasoepididymostomy: Specific Microanastomosis To The Epididymal Tubule**Presented at the annual meeting of The American Society of Andrology, March 24, 1978, Nashville, Tenn.. <i>Fertility and Sterility</i> , 1978 , 30, 565-571	4.8	164
84	Microscopic Vasectomy Reversal**Presented in part at the Ninth World Congress on Fertility and Sterility and the Thirty-Third Annual Meeting of The American Fertility Society, April 12 to 16, 1977, Miami Beach, Fla.. <i>Fertility and Sterility</i> , 1977 , 28, 1191-1202	4.8	162
83	Fertility preservation for age-related fertility decline. <i>Lancet, The</i> , 2014 , 384, 1311-9	4.0	150
82	Chromosomal abnormalities in embryos derived from testicular sperm extraction. <i>Fertility and Sterility</i> , 2003 , 79, 30-8	4.8	147
81	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, 480-5	4.8	146
80	Successful pregnancy after microsurgical transplantation of an intact ovary. <i>New England Journal of Medicine</i> , 2008 , 359, 2617-8	59.2	129
79	Successful autotransplantation of an intra-abdominal testis to the scrotum by microvascular technique. <i>Journal of Urology</i> , 1976 , 115, 452-4	2.5	124
78	Vasectomy and vasectomy reversal. <i>Fertility and Sterility</i> , 1978 , 29, 125-40	4.8	115
77	TEX11 is mutated in infertile men with azoospermia and regulates genome-wide recombination rates in mouse. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1198-210	12	109
76	Forty years of IVF. <i>Fertility and Sterility</i> , 2018 , 110, 185-324.e5	4.8	108
75	Ongoing pregnancies and birth after intracytoplasmic sperm injection with frozen-thawed epididymal spermatozoa. <i>Human Reproduction</i> , 1995 , 10, 903-6	5.7	104
74	Epididymal extravasation following vasectomy as a cause for failure of vasectomy reversal. <i>Fertility and Sterility</i> , 1979 , 31, 309-15	4.8	103
73	Role of semen analysis in subfertile couples. <i>Fertility and Sterility</i> , 2011 , 95, 1013-9	4.8	100
72	Ovarian transplantation in a series of monozygotic twins discordant for ovarian failure. <i>New England Journal of Medicine</i> , 2007 , 356, 1382-4	59.2	99
71	Open-ended vasectomy, sperm granuloma, and postvasectomy orchialgia. <i>Fertility and Sterility</i> , 1979 , 32, 546-50	4.8	94
70	Long-term duration of function of ovarian tissue transplants: case reports. <i>Reproductive BioMedicine Online</i> , 2012 , 25, 128-32	4	89
69	Results of microsurgical vasoepididymostomy: role of epididymis in sperm maturation. <i>Human Reproduction</i> , 1989 , 4, 298-303	5.7	86

68	Perfect Anatomical Reconstruction of Vas Deferens with A New Microscopic Surgical Technique**Presented at the Thirty-Second Annual Meeting of The American Fertility Society, April 5 to 9, 1976, Las Vegas, Nev.. <i>Fertility and Sterility</i> , 1977 , 28, 72-77	4.8	83
67	Ovarian tissue cryopreservation and transplantation: scientific implications. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 1595-1603	3.4	81
66	Unraveling transcriptome dynamics in human spermatogenesis. <i>Development (Cambridge)</i> , 2017 , 144, 3659-3673	6.6	80
65	Microscopic vasectomy reversal 30 years later: a summary of 4010 cases by the same surgeon. <i>Journal of Andrology</i> , 2004 , 25, 845-59		76
64	Oocyte vitrification--women's emancipation set in stone. <i>Fertility and Sterility</i> , 2009 , 91, 1319-20	4.8	72
63	Pregnancy after vasovasostomy for vasectomy reversal: a study of factors affecting long-term return of fertility in 282 patients followed for 10 years. <i>Human Reproduction</i> , 1989 , 4, 318-22	5.7	72
62	Transmission of male infertility to future generations: lessons from the Y chromosome. <i>Human Reproduction Update</i> , 2002 , 8, 217-29	15.8	69
61	Pregnancy caused by sperm from vasa efferentia. <i>Fertility and Sterility</i> , 1988 , 49, 373-5	4.8	69
60	Microsurgery in clinical urology. <i>Urology</i> , 1975 , 6, 150-3	1.6	68
59	Microscopic vasovasostomy and spermatogenesis. <i>Journal of Urology</i> , 1977 , 117, 299-302	2.5	64
58	Transplantation of a Human Testis for Anorchia**Presented in part at the American College of Surgeons, October 18, 1977, Dallas, Tex.. <i>Fertility and Sterility</i> , 1978 , 30, 181-187	4.8	62
57	Minimal ovarian stimulation (mini-IVF) for IVF utilizing vitrification and cryopreserved embryo transfer. <i>Reproductive BioMedicine Online</i> , 2010 , 21, 485-95	4	61
56	Fresh and cryopreserved ovary transplantation and resting follicle recruitment. <i>Reproductive BioMedicine Online</i> , 2015 , 30, 643-50	4	58
55	Ejaculatory duct obstruction. <i>Journal of Urology</i> , 1980 , 124, 294-7	2.5	58
54	Cystic fibrosis mutations impair the fertilization rate of epididymal sperm from men with congenital absence of the vas deferens. <i>Human Reproduction</i> , 1993 , 8, 1259-63	5.7	50
53	Cryopreservation and transplantation of ovarian tissue: results from one center in the USA. <i>Journal of Assisted Reproduction and Genetics</i> , 2018 , 35, 2205-2213	3.4	48
52	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, 693-9	4	47
51	Environmental versus genetic sex determination: a possible factor in dinosaur extinction?. <i>Fertility and Sterility</i> , 2004 , 81, 954-64	4.8	45

50	Microsurgical aspects of varicocele. <i>Fertility and Sterility</i> , 1979 , 31, 230-2	4.8	44
49	Vasoe epididymostomy to the Head of the Epididymis: Recovery of Normal Spermatozoal Motility**Presented at the Thirty-Sixth Annual Meeting of The American Fertility Society, March 18 to 22, 1980, Houston, Texas.. <i>Fertility and Sterility</i> , 1980 , 34, 149-153	4.8	41
48	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	5.7	40
47	Live birth rates after MESA or TESE in men with obstructive azoospermia: is there a difference?. <i>Human Reproduction</i> , 2015 , 30, 761-6	5.7	38
46	Intrinsic fertility of human oocytes. <i>Fertility and Sterility</i> , 2017 , 107, 1232-1237	4.8	35
45	The varicocele dilemma. <i>Human Reproduction Update</i> , 2001 , 7, 70-7	15.8	35
44	Evaluation and treatment of male infertility. <i>Clinical Obstetrics and Gynecology</i> , 2000 , 43, 854-88	1.7	34
43	Growth of baby kidneys transplanted into adults. <i>Archives of Surgery</i> , 1976 , 111, 75-7		33
42	Apoptosis of mural granulosa cells is increased in women with diminished ovarian reserve. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 1225-1235	3.4	32
41	The Y chromosome in the era of intracytoplasmic sperm injection: a personal review. <i>Fertility and Sterility</i> , 2011 , 95, 2439-48.e1-5	4.8	31
40	Vasectomy and Its Microsurgical Reversal. <i>Urologic Clinics of North America</i> , 1978 , 5, 573-584	2.9	29
39	Evaluation of ovarian tissue transplantation: results from three clinical centers. <i>Fertility and Sterility</i> , 2020 , 114, 388-397	4.8	28
38	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, 271-3	4	27
37	Fresh ovarian tissue and whole ovary transplantation. <i>Seminars in Reproductive Medicine</i> , 2009 , 27, 479-85.4	5.4	24
36	Unifying theory of adult resting follicle recruitment and fetal oocyte arrest. <i>Reproductive BioMedicine Online</i> , 2015 , 31, 472-5	4	22
35	Long-term economic benefits attributed to IVF-conceived children: a lifetime tax calculation. <i>American Journal of Managed Care</i> , 2008 , 14, 598-604	2.1	22
34	Intra-cytoplasmic sperm injection and infertility. <i>Nature Genetics</i> , 2001 , 29, 131	36.3	19
33	Unexpected resilience of species with temperature-dependent sex determination at the Cretaceous-Palaeogene boundary. <i>Biology Letters</i> , 2011 , 7, 295-8	3.6	17

32	Compensatory and obligatory renal growth in babies and adults. <i>ANZ Journal of Surgery</i> , 1974 , 44, 421-31		16
31	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, 217-27	3	13
30	Sperm retrieval for azoospermia and intracytoplasmic sperm injection success rates--a personal overview. <i>Human Fertility</i> , 2010 , 13, 247-56	1.9	11
29	Oophorectomy for fertility preservation via reduced-port laparoscopic surgery. <i>Surgical Innovation</i> , 2013 , 20, 219-24	2	10
28	Ultrastructure of human sperm in men with congenital absence of the vas deferens: clinical implications. <i>Fertility and Sterility</i> , 1992 , 58, 190-3	4.8	10
27	Reversal of Vasectomy and the Treatment of Male Infertility. <i>Journal of Andrology</i> , 1980 , 1, 261-268		10
26	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, S111-22	0.9	8
25	New concepts in operative andrology: a review. <i>Journal of Developmental and Physical Disabilities</i> , 2000 , 23 Suppl 2, 66-76		7
24	Success rates in minimal stimulation cycle IVF with clomiphene citrate only. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 297-304	3.4	7
23	To transplant or not to transplant - that is the question. <i>Cancer Treatment and Research</i> , 2010 , 156, 41-54	3.5	7
22	The varicocele argument resurfaces. <i>Journal of Assisted Reproduction and Genetics</i> , 2018 , 35, 1079-1082	3.4	6
21	Long-term function of ovarian tissue transplants. <i>Middle East Fertility Society Journal</i> , 2012 , 17, 215-220	1.4	6
20	Chapter 13 Human Ovarian Tissue Vitrification. <i>Methods in Molecular Biology</i> , 2017 , 1568, 177-194	1.4	5
19	Preliminary tests of a new reversible male contraceptive in bush dog, <i>Speothos venaticus</i> : open-ended vasectomy and microscopic reversal. <i>Journal of Zoo and Wildlife Medicine</i> , 2006 , 37, 313-7	0.9	3
18	Testis Biopsy and the Infertile Male 2005 , 215-240		2
17	In-vitro maturation and transplantation of cryopreserved ovary tissue: understanding ovarian longevity.. <i>Reproductive BioMedicine Online</i> , 2021 ,	4	2
16	Ovarian Tissue Cryopreservation and Transplantation 2019 , 81-88		1
15	Testis Development, Embryology, and Anatomy 2018 , 3-12		1

14	Fundamentals of Male Infertility 2018 ,		1
13	Human male infertility, the Y chromosome, and dinosaur extinction. <i>Middle East Fertility Society Journal</i> , 2011 , 16, 114-120	1.4	1
12	When "facts" are not facts: what does p value really mean, and how does it deceive us?. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 1303-1310	3.4	0
11	Fresh and cryopreserved ovarian tissue from deceased young donors yields viable follicles.. <i>F&S Science</i> , 2021 , 2, 248-258	0.4	0
10	Azoospermia 2018 , 77-125		
9	The Development of Microsurgery for Male and Female Infertility 208-213		
8	Ovarian Tissue Cryopreservation 2019 , 713-720		
7	Transplantation of ovarian tissue or immature oocytes to preserve and restore fertility in humans 430-442		
6	Pregnancy after ovarian transplantation 137-148		
5	Ovarian Tissue Cryopreservation and Transplantation: Scientific and Clinical Implications 2022 , 143-161		
4	Genetics of Male Infertility: Evolution of the X and Y Chromosome and Transmission of Male Infertility to Future Generations 2004 , 111-149		
3	Improving IVF Results: How Far Can We Tamper with Human Biology?. <i>Reproductive Medicine for Clinicians</i> , 2018 , 77-82		
2	Adult Testis Anatomy 2018 , 19-21		
1	Y chromosome microdeletions and ART 2021 , 598-605		