

Stephan S Du Plessis

List of Publications by Year in Descending Order

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

96 papers	3,387 citations	30 h-index	57 g-index
105 ext. papers	3,995 ext. citations	2.9 avg, IF	5.66 L-index

#	Paper	IF	Citations
96	A contemporary view on global fertility, infertility, and assisted reproductive techniques 2022 , 93-120		1
95	Protocol for developing a core outcome set for male infertility research: an international consensus development study.. <i>Human Reproduction Open</i> , 2022 , 2022, hoac014	6.1	0
94	Using publicly available transcriptomic data to identify mechanistic and diagnostic biomarkers in azoospermia and overall male infertility.. <i>Scientific Reports</i> , 2022 , 12, 2584	4.9	1
93	Re: The Impact of COVID-19 Vaccine on Sperm Quality, Barda S, Laskov I, Grisaru D, et al Int J Gynaecol Obstet. In press. https://doi.org/10.1002/ijgo.14135 . <i>European Urology</i> , 2022 ,	10.2	1
92	The Effect of Rooibos (), Honeybush () and () on Testicular Insulin Signalling in Streptozotocin-Induced Diabetes in Wistar Rats. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021 , 14, 1267-1280	3.4	1
91	Twelve Months Down the Line: do we know Anything more about the Presence of the SARS-CoV-2 in Human Semen?. <i>Revista Brasileira De Ginecologia E Obstetricia</i> , 2021 , 43, 339-340	1.1	0
90	Introducing the 4Ps Model of Transitioning to Distance Learning: A convergent mixed methods study conducted during the COVID-19 pandemic. <i>PLoS ONE</i> , 2021 , 16, e0253662	3.7	3
89	The effect of streptozotocin induced diabetes on sperm function: a closer look at AGEs, RAGEs, MAPKs and activation of the apoptotic pathway. <i>Toxicological Research</i> , 2021 , 37, 35-46	3.7	1
88	SARS-COV-2 (Covid-19) and male fertility: Where are we?. <i>Reproductive Toxicology</i> , 2021 , 99, 65-70	3.4	12
87	Proteomics and Biomarker Identification in Improved Sperm Motility Parameters After 4 h of Ejaculatory Abstinence 2021 , 345-364		0
86	Have We Conquered Sperm Morphology Analysis in Different Mammalian Species as Analysed by CASMA? 2021 , 287-301		
85	Taking a Leap of Faith: A Study of Abruptly Transitioning an Undergraduate Medical Education Program to Distance-Learning Owing to the COVID-19 Pandemic. <i>JMIR Medical Education</i> , 2021 , 7, e27010	1.5	3
84	The mutagenic effect of tobacco smoke on male fertility. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	4
83	Male infertility: A proximate look at the advanced glycation end products. <i>Reproductive Toxicology</i> , 2020 , 93, 169-177	3.4	3
82	The Uruguayan semen donor population: A twenty-eight-year retrospective study. <i>Andrologia</i> , 2020 , 52, e13502	2.4	3
81	The Beneficial Role of in STZ-Induced Reproductive Dysfunction in Male Wistar Rats. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020 , 13, 4543-4560	3.4	1
80	SARS-CoV-2 and the testis: similarity with other viruses and routes of infection. <i>Reproductive BioMedicine Online</i> , 2020 , 40, 763-764	4	49

79	Improved sperm motility after 4 h of ejaculatory abstinence: role of accessory sex gland secretions. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 1009-1016	1.8	3
78	Diabetes mellitus- induction: Effect of different streptozotocin doses on male reproductive parameters. <i>Acta Histochemica</i> , 2018 , 120, 103-109	2	14
77	Cumene hydroperoxide induced changes in oxidation-reduction potential in fresh and frozen seminal ejaculates. <i>Andrologia</i> , 2018 , 50, e12796	2.4	6
76	Spermatozoa: A Historical Perspective. <i>International Journal of Fertility & Sterility</i> , 2018 , 12, 182-190	1.9	1
75	Revisiting The Relationship between The Ejaculatory Abstinence Period and Semen Characteristics. <i>International Journal of Fertility & Sterility</i> , 2018 , 11, 238-246	1.9	10
74	Antioxidant Activities of Aqueous Leave Extract In Blood, Pancreas, and Gonadal Tissues of Diabetic Male Wistar Rats. <i>Pharmacognosy Research (discontinued)</i> , 2018 , 10, 31-36	0.7	2
73	Modulation of Inflammatory Cytokines and Islet Morphology as Therapeutic Mechanisms of in Streptozotocin-Induced Diabetic Rats. <i>Toxicological Research</i> , 2018 , 34, 325-332	3.7	5
72	A retrospective study on sperm banking: a Uruguayan experience. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2018 , 22, 82-88	1.7	1
71	Short abstinence: A potential strategy for the improvement of sperm quality. <i>Middle East Fertility Society Journal</i> , 2018 , 23, 37-43	1.4	10
70	Highly Active Antiretroviral Therapy Alters Sperm Parameters and Testicular Antioxidant Status in Diet-Induced Obese Rats. <i>Toxicological Research</i> , 2018 , 34, 41-48	3.7	9
69	Current perspectives of CASA applications in diverse mammalian spermatozoa. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 875-888	1.8	28
68	Extrinsic Factors Inducing Oxidative Stress (OS) in Male and Female Reproductive Systems 2017 , 89-105		1
67	Physiological Roles of Reactive Oxygen Species (ROS) in the Reproductive System 2017 , 47-64		2
66	Environmental Exposure of Sperm Sex-Chromosomes: A Gender Selection Technique. <i>Toxicological Research</i> , 2017 , 33, 315-323	3.7	11
65	Are oxidative stress markers associated with unexplained male infertility?. <i>Andrologia</i> , 2017 , 49, e12659	2.4	40
64	Physically Active Men Show Better Semen Parameters than Their Sedentary Counterparts. <i>International Journal of Fertility & Sterility</i> , 2017 , 11, 156-165	1.9	13
63	Sexually Transmitted Infections and Impact on Male Fertility 2017 , 167-183		2
62	Therapeutic Role of Antioxidants (AOX) in the Treatment of Infertility 2017 , 129-150		0

61	Semen as virus reservoir?. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 1255-6	3.4	10
60	MiOXSYS: a novel method of measuring oxidation reduction potential in semen and seminal plasma. <i>Fertility and Sterility</i> , 2016 , 106, 566-573.e10	4.8	87
59	Impact of Physical Activity and Exercise on Male Reproductive Potential: Semen Alterations 2016 , 101-124		5
58	Oxidative Stress and Infertility: A Possible Link to Exercise 2016 , 303-315		1
57	Overview of the Male Reproductive System 2016 , 1-17		1
56	Abstinence Time and Its Impact on Basic and Advanced Semen Parameters. <i>Urology</i> , 2016 , 94, 102-10	1.6	71
55	Ameliorative potentials of quercetin against cotinine-induced toxic effects on human spermatozoa. <i>Asian Pacific Journal of Reproduction</i> , 2016 , 5, 193-197	1.1	4
54	Author Reply. <i>Urology</i> , 2016 , 94, 109-10	1.6	2
53	Introduction to Reactive Oxygen Species: Emphasizing Their Importance in the Male Reproductive System 2016 , 3-16		
52	Diet-induced obesity alters kinematics of rat spermatozoa. <i>Asian Pacific Journal of Reproduction</i> , 2015 , 4, 235-239	1.1	6
51	Marijuana, phytocannabinoids, the endocannabinoid system, and male fertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 1575-88	3.4	86
50	Large volume cryoprotectant-free vitrification: an alternative to conventional cryopreservation for human spermatozoa. <i>Andrologia</i> , 2015 , 47, 594-9	2.4	46
49	Oxidative phosphorylation versus glycolysis: what fuel do spermatozoa use?. <i>Asian Journal of Andrology</i> , 2015 , 17, 230-5	2.8	152
48	Idiopathic Infertility: Survival and Function of Sperm in the Female Reproductive Tract 2015 , 43-51		
47	Influence of ejaculation frequency on seminal parameters. <i>Reproductive Biology and Endocrinology</i> , 2015 , 13, 47	5	50
46	Contemporary evidence on the physiological role of reactive oxygen species in human sperm function. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 509-20	3.4	130
45	Effect of oxidative stress on male reproduction. <i>World Journal of Men's Health</i> , 2014 , 32, 1-17	6.8	617
44	In vitro effects of nicotine on human spermatozoa. <i>Andrologia</i> , 2014 , 46, 887-92	2.4	23

43	Utility of antioxidants during assisted reproductive techniques: an evidence based review. <i>Reproductive Biology and Endocrinology</i> , 2014 , 12, 112	5	126
42	Revisiting the assessment of semen viscosity and its relationship to leucocytospermia. <i>Andrologia</i> , 2014 , 46, 837-41	2.4	10
41	The Effect of Smoking on Male Infertility 2014 , 19-30		4
40	BMI and Obesity 2014 , 31-45		
39	Proteomic analysis of human spermatozoa proteins with oxidative stress. <i>Reproductive Biology and Endocrinology</i> , 2013 , 11, 48	5	80
38	Proteomic analysis of seminal fluid from men exhibiting oxidative stress. <i>Reproductive Biology and Endocrinology</i> , 2013 , 11, 85	5	67
37	Two-dimensional differential in-gel electrophoresis-based proteomics of male gametes in relation to oxidative stress. <i>Fertility and Sterility</i> , 2013 , 99, 1216-1226.e2	4.8	50
36	Semen hyperviscosity: causes, consequences, and cures. <i>Frontiers in Bioscience - Elite</i> , 2013 , 5, 224-31	1.6	32
35	Antioxidant Strategies to Overcome OS in IVF-Embryo Transfer 2013 , 237-262		11
34	Obesity and Male Fertility 2013 , 253-273		
33	Physiological Role of Reactive Oxygen Species in Sperm Function: A Review 2013 , 69-89		6
32	Oxidative Stress 2012 , 225-235		3
31	Leukocytospermia and Oxidative Stress 2012 , 517-533		1
30	A hormonal, physical, and proteomic view of obesity-induced effects on male infertility and possible lifestyle modifications. <i>Asian Pacific Journal of Reproduction</i> , 2012 , 1, 161-168	1.1	2
29	An investigation of excess residual cytoplasm in human spermatozoa and its distinction from the cytoplasmic droplet. <i>Reproductive Biology and Endocrinology</i> , 2012 , 10, 92	5	70
28	Obesity and Male Fertility 2012 , 349-360		
27	The Role of Obesity in ROS Generation and Male Infertility 2012 , 571-590		3
26	Proteomics: a subcellular look at spermatozoa. <i>Reproductive Biology and Endocrinology</i> , 2011 , 9, 36	5	56

25	Environmental Insults on Spermatogenesis 2011 , 133-154		1
24	The in vitro effects of melatonin on human sperm function and its scavenging activities on NO and ROS. <i>Andrologia</i> , 2010 , 42, 112-6	2.4	98
23	Effects of H(2)O(2) exposure on human sperm motility parameters, reactive oxygen species levels and nitric oxide levels. <i>Andrologia</i> , 2010 , 42, 206-10	2.4	72
22	Morphometric dimensions of the human sperm head depend on the staining method used. <i>Human Reproduction</i> , 2010 , 25, 1369-82	5.7	106
21	Sperm viability, apoptosis, and intracellular reactive oxygen species levels in human spermatozoa before and after induction of oxidative stress. <i>Fertility and Sterility</i> , 2010 , 93, 814-21	4.8	114
20	Obesity: modern man's fertility nemesis. <i>Asian Journal of Andrology</i> , 2010 , 12, 480-9	2.8	129
19	The effect of obesity on sperm disorders and male infertility. <i>Nature Reviews Urology</i> , 2010 , 7, 153-61	5.5	231
18	The association between leukocytes and sperm quality is concentration dependent. <i>Reproductive Biology and Endocrinology</i> , 2010 , 8, 12	5	32
17	Free radicals: their beneficial and detrimental effects on sperm function. <i>Indian Journal of Experimental Biology</i> , 2010 , 48, 425-35		116
16	Effects of tumour necrosis factor alpha and interleukin-6 on progesterone and calcium ionophore-induced acrosome reaction. <i>Journal of Developmental and Physical Disabilities</i> , 2009 , 32, 274-7		9
15	The in vitro effects of superoxide, some commercially available antioxidants and red palm oil on sperm motility. <i>Asian Journal of Andrology</i> , 2009 , 11, 695-702	2.8	9
14	Cryopreservation/transplantation of ovarian tissue and in vitro maturation of follicles and oocytes: challenges for fertility preservation. <i>Reproductive Biology and Endocrinology</i> , 2008 , 6, 47	5	28
13	TNF-alpha and IL-6 affect human sperm function by elevating nitric oxide production. <i>Reproductive BioMedicine Online</i> , 2008 , 17, 628-31	4	59
12	Male gamete survival at stake: causes and solutions. <i>Reproductive BioMedicine Online</i> , 2008 , 17, 866-80	4	16
11	Impact of oxidative stress on IVF. <i>Expert Review of Obstetrics and Gynecology</i> , 2008 , 3, 539-554		58
10	Present and future fertility preservation strategies for female cancer patients. <i>Obstetrical and Gynecological Survey</i> , 2008 , 63, 725-32	2.4	41
9	The in vitro effects of <i>Mondia whitei</i> on human sperm motility parameters. <i>Phytotherapy Research</i> , 2008 , 22, 1272-3	6.7	21
8	Insulin and leptin enhance human sperm motility, acrosome reaction and nitric oxide production. <i>Asian Journal of Andrology</i> , 2008 , 10, 799-807	2.8	72

7	Comparing the Multi-ZSC one-step standardized swim-up method to the double-wash swim-up method with regard to the effects of sperm separation on morphology, head morphometry, and acrosome reaction inducibility. <i>Fertility and Sterility</i> , 2006 , 86, 739-41	4.8	5
6	Direct nitric oxide measurement in human spermatozoa: flow cytometric analysis using the fluorescent probe, diaminofluorescein. <i>Journal of Developmental and Physical Disabilities</i> , 2006 , 29, 564-7		20
5	Phosphatidylinositol 3-kinase inhibition enhances human sperm motility and sperm-zona pellucida binding. <i>Journal of Developmental and Physical Disabilities</i> , 2004 , 27, 19-26		22
4	Effect of acute in vivo sildenafil citrate and in vitro 8-bromo-cGMP treatments on semen parameters and sperm function. <i>Fertility and Sterility</i> , 2004 , 81, 1026-33	4.8	40
3	The zona pellucida-induced acrosome reaction of human spermatozoa involves extracellular signal-regulated kinase activation. <i>Andrologia</i> , 2001 , 33, 337-42	2.4	26
2	The effect of dietary molybdenum and sulphate on the oestrus cycle and ovulation in ewes after manipulation with exogenous progesterone alone or in combination with FSH and LH. <i>Small Ruminant Research</i> , 1999 , 33, 63-69	1.7	3
1	The effect of dietary molybdenum and sulphate on sexual activity and plasma progesterone concentrations of ewes. <i>Small Ruminant Research</i> , 1999 , 33, 71-76	1.7	2