

Klaus Steger

List of Publications by Year in descending order

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46
papers

2,340
citations

257450

24
h-index

223800

46
g-index

50
all docs

50
docs citations

50
times ranked

2254
citing authors

#	ARTICLE	IF	CITATIONS
1	Endonuclease-sensitive regions of human spermatozoal chromatin are highly enriched in promoter and CTCF binding sequences. <i>Genome Research</i> , 2009, 19, 1338-1349.	5.5	271
2	Transcriptional and translational regulation of gene expression in haploid spermatids. <i>Anatomy and Embryology</i> , 1999, 199, 471-487.	1.5	261
3	Epigenetics in male reproduction: effect of paternal diet on sperm quality and offspring health. <i>Nature Reviews Urology</i> , 2016, 13, 584-595.	3.8	204
4	Uniformity of Nucleosome Preservation Pattern in Mammalian Sperm and Its Connection to Repetitive DNA Elements. <i>Developmental Cell</i> , 2014, 30, 23-35.	7.0	133
5	Round spermatids from infertile men exhibit decreased protamine-1 and -2 mRNA. <i>Human Reproduction</i> , 2001, 16, 709-716.	0.9	109
6	Both protamine-1 to protamine-2 mRNA ratio and Bcl2 mRNA content in testicular spermatids and ejaculated spermatozoa discriminate between fertile and infertile men. <i>Human Reproduction</i> , 2007, 23, 11-16.	0.9	106
7	In Vivo Effects of Histone Deacetylase Inhibitor Trichostatin A on Murine Spermatogenesis. <i>Journal of Andrology</i> , 2004, 25, 811-818.	2.0	103
8	Decreased protamine-1 transcript levels in testes from infertile men. <i>Molecular Human Reproduction</i> , 2003, 9, 331-336.	2.8	99
9	Genetic imprinting during impaired spermatogenesis. <i>Molecular Human Reproduction</i> , 2006, 12, 407-411.	2.8	80
10	Epigenetics in Male Germ Cells. <i>Journal of Andrology</i> , 2007, 28, 466-480.	2.0	80
11	Analysing the sperm epigenome: roles in early embryogenesis and assisted reproduction. <i>Nature Reviews Urology</i> , 2012, 9, 609-619.	3.8	73
12	Sperm Protamine mRNA Ratio and DNA Fragmentation Index Represent Reliable Clinical Biomarkers for Men with Varicocele after Microsurgical Varicocele Ligation. <i>Journal of Urology</i> , 2014, 192, 170-176.	0.4	68
13	DNMT1 and HDAC1 gene expression in impaired spermatogenesis and testicular cancer. <i>Histochemistry and Cell Biology</i> , 2007, 127, 175-181.	1.7	67
14	The sperm protamine mRNA ratio as a clinical parameter to estimate the fertilizing potential of men taking part in an ART programme. <i>Human Reproduction</i> , 2013, 28, 969-978.	0.9	66
15	Re-visiting the Protamine-2 locus: deletion, but not haploinsufficiency, renders male mice infertile. <i>Scientific Reports</i> , 2016, 6, 36764.	3.3	48
16	<i>Toxoplasma gondii</i> Decreases the Reproductive Fitness in Mice. <i>PLoS ONE</i> , 2014, 9, e96770.	2.5	39
17	In Vivo Application of Histone Deacetylase Inhibitor Trichostatin A Impairs Murine Male Meiosis. <i>Journal of Andrology</i> , 2008, 29, 172-185.	2.0	38
18	TET enzymes are successively expressed during human spermatogenesis and their expression level is pivotal for male fertility. <i>Human Reproduction</i> , 2016, 31, 1411-1424.	0.9	38

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19	Sperm nuclear protamines: A checkpoint to control sperm chromatin quality. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2018, 47, 273-279.	0.7	36
20	Cellular expression of protamine 1 and 2 transcripts in testicular spermatids from azoospermic men submitted to TESEâ€“ICSI. <i>Molecular Human Reproduction</i> , 2005, 11, 373-379.	2.8	34
21	Canine Relaxin-Like Factor: Unique Molecular Structure and Differential Expression Within Reproductive Tissues of the Dog. <i>Biology of Reproduction</i> , 2001, 64, 442-450.	2.7	30
22	Developmental origins of male subfertility: role of infection, inflammation, and environmental factors. <i>Seminars in Immunopathology</i> , 2016, 38, 765-781.	6.1	30
23	Unexplained recurrent miscarriages are associated with an aberrant sperm protamine mRNA content. <i>Human Reproduction</i> , 2017, 32, 1574-1582.	0.9	29
24	Expression of activator of CREM in the testis (ACT) during normal and impaired spermatogenesis: correlation with CREM expression. <i>Molecular Human Reproduction</i> , 2004, 10, 129-135.	2.8	26
25	H3K79 methylation: a new conserved mark that accompanies H4 hyperacetylation prior to histone-to-protamine transition in <i>Drosophila</i> and rat. <i>Biology Open</i> , 2014, 3, 444-452.	1.2	25
26	Protamine-1 and -2 mRNA in round spermatids is associated with RNA-binding proteins. <i>Histochemistry and Cell Biology</i> , 2002, 117, 227-234.	1.7	24
27	CREM activator and repressor isoform expression in human male germ cells. <i>Journal of Developmental and Physical Disabilities</i> , 2005, 28, 215-223.	3.6	20
28	The common marmoset (<i>Callithrix jacchus</i>) as a model for histone and protamine expression during human spermatogenesis. <i>Human Reproduction</i> , 2008, 24, 536-545.	0.9	20
29	Impairment of IGF2 gene expression in prostate cancer is triggered by epigenetic dysregulation of IGF2-DMRO and its interaction with KLF4. <i>Cell Communication and Signaling</i> , 2017, 15, 40.	6.5	17
30	PTPIP51â€“a myeloid lineage specific protein interacts with PTP1B in neutrophil granulocytes. <i>Blood Cells, Molecules, and Diseases</i> , 2010, 45, 159-168.	1.4	16
31	The impact of autophagy in spermiogenesis. <i>Asian Journal of Andrology</i> , 2017, 19, 617.	1.6	16
32	The Role of the LINC Complex in Sperm Development and Function. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9058.	4.1	16
33	Different CREM-isoform gene expression between equine and human normal and impaired spermatogenesis. <i>Theriogenology</i> , 2003, 60, 1357-1369.	2.1	15
34	Loss of <i>Prm1</i> leads to defective chromatin protamination, impaired PRM2 processing, reduced sperm motility and subfertility in male mice. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	15
35	Expression and Role of Leptin under Hypoxic Conditions in Human Testis: Organotypic In Vitro Culture Experiment and Clinical Study on Patients with Varicocele. <i>Journal of Urology</i> , 2015, 193, 360-367.	0.4	14
36	PTPIP51â€“A New Relationship with the NFÎ²B Signaling Pathway. <i>Biomolecules</i> , 2015, 5, 485-504.	4.0	10

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37	Chronic Prostatitis/Chronic Pelvic Pain Syndrome Leads to Impaired Semen Parameters, Increased Sperm DNA Fragmentation and Unfavorable Changes of Sperm Protamine mRNA Ratio. International Journal of Molecular Sciences, 2021, 22, 7854.	4.1	9
38	Functional Characterization of Male Germ Cell-Specific CREM Isoforms. Journal of Andrology, 2006, 28, 59-66.	2.0	8
39	Comparison of ART outcomes in men with altered mRNA protamine 1/protamine 2 ratio undergoing intracytoplasmic sperm injection with ejaculated and testicular spermatozoa. Asian Journal of Andrology, 2020, 22, 623.	1.6	8
40	Effect of Vasectomy on Sperm Nuclear Chromatin Condensation in the Rabbit. Journal of Andrology, 2005, 26, 289-295.	2.0	6
41	Expression of sperm-specific protamines impairs bacterial and eukaryotic cell proliferation. Histochemistry and Cell Biology, 2015, 143, 599-609.	1.7	6
42	New monoclonal antibodies specific for mammalian protamines P1 and P2. Systems Biology in Reproductive Medicine, 2018, 64, 424-447.	2.1	6
43	Effects of Pulsed-Wave Photobiomodulation Therapy on Human Spermatozoa. Lasers in Surgery and Medicine, 2022, 54, 540-553.	2.1	6
44	Andrologie in der interdisziplinären Reproduktionsmedizin. Springer Reference Medizin, 2019, , 1-47.	0.0	4
45	Andrologie in der interdisziplinären Reproduktionsmedizin. Springer Reference Medizin, 2020, , 443-489.	0.0	4
46	Effect of Khat (<i>Catha edulis</i> Forsk) extract on testicular maturation in pre-pubertal and pubertal rats: A morphological and biochemical study. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2021, 50, 271-283.	0.7	3