

Kristian Almstrup

List of Publications by Year in descending order

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113
papers

4,163
citations

117453

34
h-index

128067

60
g-index

118
all docs

118
docs citations

118
times ranked

4798
citing authors

#	ARTICLE	IF	CITATIONS
1	Embryonic Stem Cell-Like Features of Testicular Carcinoma in Situ Revealed by Genome-Wide Gene Expression Profiling. <i>Cancer Research</i> , 2004, 64, 4736-4743.	0.4	228
2	Human semen quality in the new millennium: a prospective cross-sectional population-based study of 4867 men. <i>BMJ Open</i> , 2012, 2, e000990.	0.8	225
3	Stem cell pluripotency factor NANOG is expressed in human fetal gonocytes, testicular carcinoma in situ and germ cell tumours. <i>Histopathology</i> , 2005, 47, 48-56.	1.6	196
4	Analysis of Gene Expression Profiles of Microdissected Cell Populations Indicates that Testicular Carcinoma <i>in situ</i> Is an Arrested Gonocyte. <i>Cancer Research</i> , 2009, 69, 5241-5250.	0.4	169
5	Transcription Factor AP-2 β Is a Developmentally Regulated Marker of Testicular Carcinoma <i>In situ</i> and Germ Cell Tumors. <i>Clinical Cancer Research</i> , 2004, 10, 8521-8530.	3.2	160
6	Dual effects of phytoestrogens result in u-shaped dose-response curves.. <i>Environmental Health Perspectives</i> , 2002, 110, 743-748.	2.8	140
7	Direct action of endocrine disrupting chemicals on human sperm. <i>EMBO Reports</i> , 2014, 15, 758-765.	2.0	137
8	Clinical and biological parameters in 166 boys, adolescents and adults with nonmosaic Klinefelter syndrome: a Copenhagen experience. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2011, 100, 793-806.	0.7	134
9	Possible fetal determinants of male infertility. <i>Nature Reviews Endocrinology</i> , 2014, 10, 553-562.	4.3	129
10	Environmental factors in declining human fertility. <i>Nature Reviews Endocrinology</i> , 2022, 18, 139-157.	4.3	123
11	Identity of M2A (D2-40) antigen and gp36 (Aggrus, T1A-2, podoplanin) in human developing testis, testicular carcinoma in situ and germ-cell tumours. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2006, 449, 200-206.	1.4	88
12	Origin of pluripotent germ cell tumours: The role of microenvironment during embryonic development. <i>Molecular and Cellular Endocrinology</i> , 2008, 288, 111-118.	1.6	86
13	Genome-wide gene expression profiling of testicular carcinoma in situ progression into overt tumours. <i>British Journal of Cancer</i> , 2005, 92, 1934-1941.	2.9	85
14	MicroRNA expression profiling of carcinoma in situ cells of the testis. <i>Endocrine-Related Cancer</i> , 2012, 19, 365-379.	1.6	79
15	Carcinoma in situ testis displays permissive chromatin modifications similar to immature foetal germ cells. <i>British Journal of Cancer</i> , 2010, 103, 1269-1276.	2.9	78
16	Analysis of Cell-Type-Specific Gene Expression During Mouse Spermatogenesis1. <i>Biology of Reproduction</i> , 2004, 70, 1751-1761.	1.2	70
17	Mouse models for genes involved in impaired spermatogenesis. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 76-89.	3.6	68
18	Circulating MKRN3 Levels Decline Prior to Pubertal Onset and Through Puberty: A Longitudinal Study of Healthy Girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1920-1926.	1.8	67

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19	Application of miRNAs in the diagnosis and monitoring of testicular germ cell tumours. <i>Nature Reviews Urology</i> , 2020, 17, 201-213.	1.9	67
20	Mutations involving the SRY-related gene SOX8 are associated with a spectrum of human reproductive anomalies. <i>Human Molecular Genetics</i> , 2018, 27, 1228-1240.	1.4	64
21	Diagnostic markers for germ cell neoplasms: from placental-like alkaline phosphatase to micro-RNAs. <i>Folia Histochemica Et Cytobiologica</i> , 2015, 53, 177-188.	0.6	62
22	Pubertal development in healthy children is mirrored by DNA methylation patterns in peripheral blood. <i>Scientific Reports</i> , 2016, 6, 28657.	1.6	60
23	Coexpression Network Analysis in Abdominal and Gluteal Adipose Tissue Reveals Regulatory Genetic Loci for Metabolic Syndrome and Related Phenotypes. <i>PLoS Genetics</i> , 2012, 8, e1002505.	1.5	57
24	Dysregulation of the mitosisâ€meiosis switch in testicular carcinoma <i>in situ</i> . <i>Journal of Pathology</i> , 2013, 229, 588-598.	2.1	54
25	Variant <i>PNLDC1</i> , Defective piRNA Processing, and Azoospermia. <i>New England Journal of Medicine</i> , 2021, 385, 707-719.	13.9	54
26	Identification of genes differentially expressed in testes containing carcinoma <i>in situ</i> . <i>Molecular Human Reproduction</i> , 2004, 10, 423-431.	1.3	52
27	Circulating MKRN3 Levels Decline During Puberty in Healthy Boys. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2588-2593.	1.8	50
28	Improved gene expression signature of testicular carcinoma <i>in situ</i> . <i>Journal of Developmental and Physical Disabilities</i> , 2007, 30, 292-303.	3.6	47
29	Evidence that active demethylation mechanisms maintain the genome of carcinoma <i>in situ</i> cells hypomethylated in the adult testis. <i>British Journal of Cancer</i> , 2014, 110, 668-678.	2.9	44
30	Genomic and gene expression signature of the pre-invasive testicular carcinoma <i>in situ</i> . <i>Cell and Tissue Research</i> , 2005, 322, 159-165.	1.5	43
31	Epigenetic features of testicular germ cell tumours in relation to epigenetic characteristics of foetal germ cells. <i>International Journal of Developmental Biology</i> , 2013, 57, 309-317.	0.3	43
32	Transcriptome profiling of fetal Klinefelter testis tissue reveals a possible involvement of long non-coding RNAs in gonocyte maturation. <i>Human Molecular Genetics</i> , 2018, 27, 430-439.	1.4	42
33	From embryonic stem cells to testicular germ cell cancer - should we be concerned?. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 211-218.	3.6	38
34	A de novo paradigm for male infertility. <i>Nature Communications</i> , 2022, 13, 154.	5.8	38
35	Phenotypic characterisation of immune cell infiltrates in testicular germ cell neoplasia. <i>Journal of Reproductive Immunology</i> , 2013, 100, 135-145.	0.8	37
36	EDC IMPACT: Chemical UV filters can affect human sperm function in a progesterone-like manner. <i>Endocrine Connections</i> , 2018, 7, 16-25.	0.8	35

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37	Current approaches for detection of carcinoma in situ testis. <i>Journal of Developmental and Physical Disabilities</i> , 2007, 30, 398-405.	3.6	33
38	Syncytin-1 and its receptor is present in human gametes. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 533-539.	1.2	33
39	Transcriptome analysis of the adult human Klinefelter testis and cellularity-matched controls reveals disturbed differentiation of Sertoli- and Leydig cells. <i>Cell Death and Disease</i> , 2018, 9, 586.	2.7	33
40	Germ cell differentiation-dependent and stage-specific expression of LANCL1 in rodent testis. <i>European Journal of Histochemistry</i> , 2003, 47, 215.	0.6	32
41	Cell context-specific expression of primary cilia in the human testis and ciliary coordination of Hedgehog signalling in mouse Leydig cells. <i>Scientific Reports</i> , 2015, 5, 10364.	1.6	32
42	Possible involvement of the glucocorticoid receptor (<i>NR3C1</i>) and selected <i>NR3C1</i> gene variants in regulation of human testicular function. <i>Andrology</i> , 2017, 5, 1105-1114.	1.9	32
43	Screening for carcinoma in situ in the contralateral testicle in patients with testicular cancer: a population-based study. <i>Annals of Oncology</i> , 2015, 26, 737-742.	0.6	31
44	Pubertal Onset in Girls is Strongly Influenced by Genetic Variation Affecting FSH Action. <i>Scientific Reports</i> , 2014, 4, 6412.	1.6	29
45	Evaluating genetic causes of azoospermia: What can we learn from a complex cellular structure and single-cell transcriptomics of the human testis?. <i>Human Genetics</i> , 2021, 140, 183-201.	1.8	29
46	Estrogenic Effect of Soy Isoflavones on Mammary Gland Morphogenesis and Gene Expression Profile. <i>Toxicological Sciences</i> , 2006, 93, 357-368.	1.4	27
47	Identification of 22 susceptibility loci associated with testicular germ cell tumors. <i>Nature Communications</i> , 2021, 12, 4487.	5.8	27
48	Dysfunction of the mitotic:meiotic switch as a potential cause of neoplastic conversion of primordial germ cells. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 219-227.	3.6	26
49	Screening of subfertile men for testicular carcinoma in situ by an automated image analysis-based cytological test of the ejaculate. <i>Journal of Developmental and Physical Disabilities</i> , 2011, 34, e21-30; discussion e30-1.	3.6	25
50	Dynamic GnRH and hCG testing: establishment of new diagnostic reference levels. <i>European Journal of Endocrinology</i> , 2017, 176, 379-391.	1.9	25
51	Identification and expression profiling of 10 novel spermatid expressed CYPT genes. <i>Molecular Reproduction and Development</i> , 2006, 73, 568-579.	1.0	24
52	Lipoprotein lipase and endothelial lipase in human testis and in germ cell neoplasms. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, e207-15.	3.6	24
53	Commentary: Sperm Counts, Data Responsibility, and Good Scientific Practice. <i>Epidemiology</i> , 2011, 22, 620-621.	1.2	24
54	Decrease in semen quality and Leydig cell function in infertile men: a longitudinal study. <i>Human Reproduction</i> , 2018, 33, 1963-1974.	0.4	22

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55	Genetic variations altering FSH action affect circulating hormone levels as well as follicle growth in healthy peripubertal girls. <i>Human Reproduction</i> , 2016, 31, 897-904.	0.4	20
56	A subfertile patient diagnosed with testicular carcinoma in situ by immunocytological staining for AP-2 β in semen samples: Case report. <i>Human Reproduction</i> , 2005, 20, 579-582.	0.4	18
57	Heterogeneity of chromatin modifications in testicular spermatocytic seminoma point toward an epigenetically unstable phenotype. <i>Cancer Genetics</i> , 2012, 205, 425-431.	0.2	18
58	Androgen Receptor CAG Repeat Length Is Associated With Body Fat and Serum SHBG in Boys: A Prospective Cohort Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E605-E609.	1.8	17
59	A Tortoiseshell Male Cat: Chromosome Analysis and Histologic Examination of the Testis. <i>Cytogenetic and Genome Research</i> , 2014, 142, 107-111.	0.6	17
60	Selection of high quality spermatozoa may be promoted by activated vitamin D in the woman. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 102, jc.2016-3008.	1.8	17
61	Evaluation of Circulating miRNA Biomarkers of Testicular Germ Cell Tumors during Therapy and Follow-up—A Copenhagen Experience. <i>Cancers</i> , 2020, 12, 759.	1.7	17
62	CDH1 (E-cadherin) in testicular germ cell neoplasia: suppressed translation of mRNA in pre-invasive carcinoma in situ but increased protein levels in advanced tumours. <i>Apmis</i> , 2006, 114, 549-558.	0.9	16
63	FSHB-211 and FSHR 2039 are associated with serum levels of follicle-stimulating hormone and anti-Müllerian hormone in healthy girls: a longitudinal cohort study. <i>Fertility and Sterility</i> , 2013, 100, 1089-1095.	0.5	16
64	Gene expression profiles of mouse spermatogenesis during recovery from irradiation. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 130.	1.4	15
65	Perinatal exposure to mixtures of anti-androgenic chemicals causes proliferative lesions in rat prostate. <i>Prostate</i> , 2015, 75, 126-140.	1.2	15
66	Genetic Variation of Follicle-Stimulating Hormone Action Is Associated With Age at Testicular Growth in Boys. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1740-1749.	1.8	15
67	Viable acrosome-intact human spermatozoa in the ejaculate as a marker of semen quality and fertility status. <i>Human Reproduction</i> , 2018, 33, 361-371.	0.4	15
68	The antidepressant Sertraline inhibits CatSper Ca ²⁺ channels in human sperm. <i>Human Reproduction</i> , 2021, 36, 2638-2648.	0.4	15
69	Levels of endocrine-disrupting chemicals are associated with changes in the peri-pubertal epigenome. <i>Endocrine Connections</i> , 2020, 9, 845-857.	0.8	14
70	Activin A Determines Steroid Levels and Composition in the Fetal Testis. <i>Endocrinology</i> , 2020, 161, .	1.4	13
71	RUBIC (ReproUnion Biobank and Infertility Cohort): A binational clinical foundation to study risk factors, life course, and treatment of infertility and infertility-related morbidity. <i>Andrology</i> , 2021, 9, 1828-1842.	1.9	13
72	Image cytometer method for automated assessment of human spermatozoa concentration. <i>Andrology</i> , 2013, 1, 615-623.	1.9	12

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73	Differential Impact of Genetic Loci on Age at Thelarche and Menarche in Healthy Girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 228-234.	1.8	12
74	A novel double staining strategy for improved detection of testicular carcinoma in situ cells in human semen samples. <i>Andrologia</i> , 2012, 44, 78-85.	1.0	11
75	Transcriptome profiling of mice testes following low dose irradiation. <i>Reproductive Biology and Endocrinology</i> , 2013, 11, 50.	1.4	11
76	Integration and reanalysis of transcriptomics and methylomics data derived from blood and testis tissue of men with 47, XXY Klinefelter syndrome indicates the primary involvement of Sertoli cells in the testicular pathogenesis. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2020, 184, 239-255.	0.7	11
77	Does height and IGF-I determine pubertal timing in girls?. <i>Pediatric Research</i> , 2021, 90, 176-183.	1.1	11
78	Genetic Variations in FSH Action Affect Sex Hormone Levels and Breast Tissue Size in Infant Girls: A Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3191-3198.	1.8	9
79	Identification of circulating small non-coding RNAs in relation to male subfertility and reproductive hormones. <i>Molecular and Cellular Endocrinology</i> , 2019, 492, 110443.	1.6	9
80	Convolutional Neural Networks for Segmentation and Object Detection of Human Semen. <i>Lecture Notes in Computer Science</i> , 2017, , 397-406.	1.0	9
81	Differences in global DNA methylation of testicular seminoma are not associated with changes in histone modifications, clinical prognosis, BRAF mutations or gene expression. <i>Cancer Genetics</i> , 2016, 209, 506-514.	0.2	8
82	Medium-throughput Screening Assays for Assessment of Effects on Ca ²⁺ -Signaling and Acrosome Reaction in Human Sperm. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	8
83	The Application of Principal Component Analysis on Clinical and Biochemical Parameters Exemplified in Children With Congenital Adrenal Hyperplasia. <i>Frontiers in Endocrinology</i> , 2021, 12, 652888.	1.5	7
84	Optimized detection of germ cell neoplasia <i>in situ</i> in contralateral biopsy reduces the risk of second testis cancer. <i>BJU International</i> , 2022, 130, 646-654.	1.3	7
85	Validation of image cytometry for sperm concentration measurement: Comparison with manual counting of 4010 human semen samples. <i>Clinica Chimica Acta</i> , 2017, 468, 114-119.	0.5	6
86	Is the <i>FSHR</i> 2039A>G variant associated with susceptibility to testicular germ cell cancer?. <i>Andrology</i> , 2018, 6, 176-183.	1.9	6
87	Small RNAs in Seminal Plasma as Novel Biomarkers for Germ Cell Tumors. <i>Cancers</i> , 2021, 13, 2346.	1.7	6
88	Dynamic Changes in Serum IGF-I and Growth During Infancy: Associations to Body Fat, Target Height, and <i>PAPPA2</i> Genotype. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 219-229.	1.8	6
89	Expression of membrane fusion proteins in spermatozoa and total fertilisation failure during in vitro fertilisation. <i>Andrology</i> , 2022, 10, 1317-1327.	1.9	6
90	Involvement of epigenetic modifiers in the pathogenesis of testicular dysgenesis and germ cell cancer. <i>Biomolecular Concepts</i> , 2015, 6, 219-227.	1.0	5

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91	Expression of the O-Glycosylation Enzyme GalNAc-T3 in the Equatorial Segment Correlates with the Quality of Spermatozoa. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2949.	1.8	5
92	<i>FSHB</i> and <i>FSHR</i> gene variants exert mild modulatory effect on reproductive hormone levels and testis size but not on semen quality: A study of 2020 men from the general Danish population. <i>Andrology</i> , 2021, 9, 618-631.	1.9	5
93	The AMH genotype (rs10407022 T>G) is associated with circulating AMH levels in boys, but not in girls. <i>Endocrine Connections</i> , 2018, 7, 347-354.	0.8	4
94	Reproductive hormones during pubertal transition in girls with transient Thelarche. <i>Clinical Endocrinology</i> , 2020, 93, 296-304.	1.2	4
95	Association Study between Polymorphisms in DNA Methylation-Related Genes and Testicular Germ Cell Tumor Risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, 31, 1769-1779.	1.1	4
96	Re: Niels J. van Casteren, Hans Stoop, Gert R. Dohle, Ronald de Wit, J. Wolter Oosterhuis, Leendert H.J. Looijenga. Noninvasive Detection of Testicular Carcinoma In Situ in Semen Using OCT3/4. <i>Eur Urol</i> 2008;54:153-60. <i>European Urology</i> , 2009, 55, e67-e68.	0.9	3
97	Testicular Dysgenesis Syndrome and Carcinoma In Situ Testis. , 2013, , 159-178.		3
98	Increasing international efforts to understand and conquer testicular germ cell cancer. <i>Andrology</i> , 2015, 3, 1-3.	1.9	3
99	A Polygenic Risk Score Suggests Shared Genetic Architecture of Voice Break With Early Markers of Pubertal Onset in Boys. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e349-e357.	1.8	3
100	Actionable secondary findings following exome sequencing of 836 non-obstructive azoospermia cases and their value in patient management. <i>Human Reproduction</i> , 2022, 37, 1652-1663.	0.4	3
101	A Fast Method for Measurement of Branching Enzyme Activity Using a Thin-Layer Chromatography-Based Phosphorylase a Stimulation Assay. <i>Analytical Biochemistry</i> , 2000, 286, 297-300.	1.1	2
102	Germ Cell Cancer, Testicular Dysgenesis Syndrome and Epigenetics. <i>Epigenetics and Human Health</i> , 2011, , 19-44.	0.2	2
103	Genetically Inferred Telomere Length and Testicular Germ Cell Tumor Risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 1275-1278.	1.1	2
104	The Testis in Childhood Between Birth and Puberty. , 2013, , 69-75.		1
105	Polymorphisms in JMJD1C are associated with pubertal onset in boys and reproductive function in men. <i>Scientific Reports</i> , 2017, 7, 17242.	1.6	1
106	The Acrosomal Status of Density Purified Spermatozoa Differentiates Men from Couples in IVF and ICSI Treatment and Is Associated with Fecundity. <i>Journal of Clinical Medicine</i> , 2020, 9, 2327.	1.0	1
107	False hope for patients with Klinefelter syndrome on cryopreservation of spermatogonia at younger ages. <i>Human Reproduction Update</i> , 2021, 27, 967-969.	5.2	1
108	O-228 The SSRI antidepressant Sertraline inhibits CatSper calcium channels in human sperm. <i>Human Reproduction</i> , 2021, 36, .	0.4	0

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109	18 Perinatal origin of testicular germ cell cancer: Possible involvement of developmental reprogramming. , 2011, , 219-228.		0
110	Endocrine disruptors in seminal fluid: bisphenol A, triclosan and benzophenone-3. Endocrine Abstracts, 0, , .	0.0	0
111	FSHBâ~211 andFSHR2039 polymorphisms are associated with serum levels of FSH, AMH and age of pubertal onset in 78 healthy girls: a longitudinal cohort study. Endocrine Abstracts, 0, , .	0.0	0
112	Screening for carcinoma in situ (CIS) testis and occurrence of metachronous germ cell cancer (mGCC).. Journal of Clinical Oncology, 2014, 32, 4554-4554.	0.8	0
113	Differential Impact of Genetic Loci on Age at Thelarche and Menarche in Healthy Girls. Yearbook of Paediatric Endocrinology, 0, , .	0.0	0