Noora Kotaja

List of Publications by Year
in descending order

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61 papers	4,609 citations	136950 32 h-index	144013 57 g-index
61 all docs	61 docs citations	61 times ranked	4673 citing authors

#	Article	IF	Citations
1	PIAS Proteins Modulate Transcription Factors by Functioning as SUMO-1 Ligases. Molecular and Cellular Biology, 2002, 22, 5222-5234.	2.3	364
2	The chromatoid body of male germ cells: Similarity with processing bodies and presence of Dicer and microRNA pathway components. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2647-2652.	7.1	326
3	The chromatoid body: a germ-cell-specific RNA-processing centre. Nature Reviews Molecular Cell Biology, 2007, 8, 85-90.	37.0	265
4	MicroRNAs and spermatogenesis. Fertility and Sterility, 2014, 101, 1552-1562.	1.0	232
5	piRNA-directed cleavage of meiotic transcripts regulates spermatogenesis. Genes and Development, 2015, 29, 1032-1044.	5.9	220
6	Polar nuclear localization of H1T2, a histone H1 variant, required for spermatid elongation and DNA condensation during spermiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2808-2813.	7.1	180
7	Preparation, isolation and characterization of stage-specific spermatogenic cells for cellular and molecular analysis. Nature Methods, 2004, 1, 249-254.	19.0	175
8	Differential Functions of the Aurora-B and Aurora-C Kinases in Mammalian Spermatogenesis. Molecular Endocrinology, 2007, 21, 726-739.	3.7	150
9	ARIP3 (Androgen Receptor-Interacting Protein 3) and Other PIAS (Protein Inhibitor of Activated STAT) Proteins Differ in Their Ability to Modulate Steroid Receptor-Dependent Transcriptional Activation. Molecular Endocrinology, 2000, 14, 1986-2000.	3.7	144
10	Chromatoid body and small RNAs in male germ cells. Reproduction, 2011, 142, 195-209.	2.6	141
11	Testis-specific transcription mechanisms promoting male germ-cell differentiation. Reproduction, 2004, 128, 5-12.	2.6	139
12	Dicer Is Required for Haploid Male Germ Cell Differentiation in Mice. PLoS ONE, 2011, 6, e24821.	2.5	139
13	PIAS proteins promote SUMO-1 conjugation to STAT1. Blood, 2003, 102, 3311-3313.	1.4	135
14	Dicer1 Depletion in Male Germ Cells Leads to Infertility Due to Cumulative Meiotic and Spermiogenic Defects. PLoS ONE, 2011, 6, e25241.	2.5	130
15	The Nuclear Receptor Interaction Domain of GRIP1 Is Modulated by Covalent Attachment of SUMO-1. Journal of Biological Chemistry, 2002, 277, 30283-30288.	3.4	121
16	Interplay of PIWI/Argonaute protein MIWI and kinesin KIF17b in chromatoid bodies of male germ cells. Journal of Cell Science, 2006, 119, 2819-2825.	2.0	120
17	Loss of SPEF2 Function in Mice Results in Spermatogenesis Defects and Primary Ciliary Dyskinesia1. Biology of Reproduction, 2011, 85, 690-701.	2.7	118
18	Transcriptome Profiling of the Murine Testis during the First Wave of Spermatogenesis. PLoS ONE, 2013, 8, e61558.	2.5	115

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19	Small RNAs in spermatogenesis. Molecular and Cellular Endocrinology, 2014, 382, 498-508.	3.2	108
20	miR-18, a member of Oncomir-1, targets heat shock transcription factor 2 in spermatogenesis. Development (Cambridge), 2010, 137, 3177-3184.	2.5	107
21	KIF3A is essential for sperm tail formation and manchette function. Molecular and Cellular Endocrinology, 2013, 377, 44-55.	3.2	92
22	An atlas of chromatoid body components. Rna, 2014, 20, 483-495.	3.5	92
23	Abnormal sperm in mice with targeted deletion of the act (activator of cAMP-responsive element) Tj ETQq1 1 0.784314 rgBT /Overloc America, 2004, 101, 10620-10625.	7.1	76
24	Expression of SPEF2 During Mouse Spermatogenesis and Identification of IFT20 as an Interacting Protein1. Biology of Reproduction, 2010, 82, 580-590.	2.7	74
25	Germ Cell-Specific Targeting of DICER or DGCR8 Reveals a Novel Role for Endo-siRNAs in the Progression of Mammalian Spermatogenesis and Male Fertility. PLoS ONE, 2014, 9, e107023.	2.5	70
26	Promoter ChIP-chip analysis in mouse testis reveals Y chromosome occupancy by HSF2. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11224-11229.	7.1	66
27	ARIP3 (Androgen Receptor-Interacting Protein 3) and Other PIAS (Protein Inhibitor of Activated STAT) Proteins Differ in Their Ability to Modulate Steroid Receptor-Dependent Transcriptional Activation. Molecular Endocrinology, 2000, 14, 1986-2000.	3.7	64
28	Androgen Receptor-interacting Protein 3 and Other PIAS Proteins Cooperate with Glucocorticoid Receptor-interacting Protein 1 in Steroid Receptor-dependent Signaling. Journal of Biological Chemistry, 2002, 277, 17781-17788.	3.4	57
29	SPEF2 functions in microtubule-mediated transport in elongating spermatids. Development (Cambridge), 2017, 144, 2683-2693.	2.5	51
30	Germ granule-mediated RNA regulation in male germ cells. Reproduction, 2018, 155, R77-R91.	2.6	45
31	Microtubule-independent and Protein Kinase A-mediated Function of Kinesin KIF17b Controls the Intracellular Transport of Activator of CREM in Testis (ACT). Journal of Biological Chemistry, 2005, 280, 31739-31745.	3.4	41
32	Accumulation of piRNAs in the chromatoid bodies purified by a novel isolation protocol. Experimental Cell Research, 2010, 316, 1567-1575.	2.6	38
33	Specialized rules of gene transcription in male germ cells: the CREM paradigm*. Journal of Developmental and Physical Disabilities, 2004, 27, 322-327.	3.6	27
34	Epigenetic Regulation of Male Germ Cell Differentiation. Sub-Cellular Biochemistry, 2013, 61, 119-138.	2.4	27
35	DICER Regulates the Formation and Maintenance of Cell-Cell Junctions in the Mouse Seminiferous Epithelium1. Biology of Reproduction, 2015, 93, 139.	2.7	27
36	microRNA in Human Reproduction. Advances in Experimental Medicine and Biology, 2015, 888, 353-387.	1.6	27

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37	Plzf pushes stem cells. Nature Genetics, 2004, 36, 551-553.	21.4	26
38	Single-Cell Proteomics Reveals the Defined Heterogeneity of Resident Macrophages in White Adipose Tissue. Frontiers in Immunology, 2021, 12, 719979.	4.8	24
39	A specific programme of gene transcription in male germ cells. Reproductive BioMedicine Online, 2004, 8, 496-500.	2.4	23
40	Cilia-related protein SPEF2 regulates osteoblast differentiation. Scientific Reports, 2018, 8, 859.	3.3	22
41	FYCO1 and autophagy control the integrity of the haploid male germ cell-specific RNP granules. Autophagy, 2017, 13, 302-321.	9.1	19
42	FLI-1 Functionally Interacts with PIASxÎ±, a Member of the PIAS E3 SUMO Ligase Family. Journal of Biological Chemistry, 2005, 280, 38035-38046.	3.4	17
43	Exonuclease Domain-Containing 1 Enhances MIWI2 piRNA Biogenesis via Its Interaction with TDRD12. Cell Reports, 2018, 24, 3423-3432.e4.	6.4	17
44	Transcription Factor USF1 Is Required for Maintenance of Germline Stem Cells in Male Mice. Endocrinology, 2019, 160, 1119-1136.	2.8	16
45	The RNA Binding Protein SAM68 Transiently Localizes in the Chromatoid Body of Male Germ Cells and Influences Expression of Select MicroRNAs. PLoS ONE, 2012, 7, e39729.	2.5	16
46	Lack of androgen receptor SUMOylation results in male infertility due to epididymal dysfunction. Nature Communications, 2019, 10, 777.	12.8	15
47	DICER regulates the expression of major satellite repeat transcripts and meiotic chromosome segregation during spermatogenesis. Nucleic Acids Research, 2020, 48, 7135-7153.	14.5	15
48	Isolation of Chromatoid Bodies from Mouse Testis as a Rich Source of Short RNAs. Methods in Molecular Biology, 2014, 1173, 11-25.	0.9	15
49	Fhl5/Act, a CREM-binding transcriptional activator required for normal sperm maturation and morphology, is not essential for testicular gene expression. Reproductive Biology and Endocrinology, 2009, 7, 133.	3.3	14
50	Hydroxysteroid (17Î²) dehydrogenase 1 expressed by Sertoli cells contributes to steroid synthesis and is required for male fertility. FASEB Journal, 2018, 32, 3229-3241.	0.5	14
51	Enrichment of Pachytene Spermatocytes and Spermatids from Mouse Testes Using Standard Laboratory Equipment. Journal of Visualized Experiments, 2019, , .	0.3	11
52	KIF1-binding protein interacts with KIF3A in haploid male germ cells. Reproduction, 2015, 150, 209-216.	2.6	9
53	Transillumination-Assisted Dissection of Specific Stages of the Mouse Seminiferous Epithelial Cycle for Downstream Immunostaining Analyses. Journal of Visualized Experiments, 2020, , .	0.3	8
54	Testicular â€œInherited Metabolic Memoryâ€•of Ancestral High-Fat Diet Is Associated with Sperm sncRNA Content. Biomedicines, 2022, 10, 909.	3.2	8

#	Article	IF	Citations
55	Retromer vesicles interact with RNA granules in haploid male germ cells. Molecular and Cellular Endocrinology, 2015, 401, 73-83.	3.2	6
56	Widespread formation of double-stranded RNAs in testis. Genome Research, 2021, 31, 1174-1186.	5.5	6
57	Small RNAs in spermatogenesis. Endocrine Abstracts, 0, , .	0.0	2
58	The Chromatoid Body and microRNA Pathways in Male Germ Cells. , 2007, , 199-209.		1
59	SPEF2 functions in microtubule-mediated transport in elongating spermatids to ensure proper male germ cell differentiation. Journal of Cell Science, 2017, 130, e1.2-e1.2.	2.0	1
60	Small Non-Coding RNAs and Epigenetic Inheritance. , 2020, , 209-230.		1
61	The Genetics of Postmeiotic Male Germ Cell Differentiation from Round Spermatids to Mature Sperm. Monographs in Human Genetics, 2017, , 101-115.	0.5	0