

# Frdric Chalmel

## List of Publications by Citations

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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.

76  
papers

2,948  
citations

29  
h-index

53  
g-index

86  
ext. papers

3,407  
ext. citations

6.8  
avg, IF

4.65  
L-index

#	Paper	IF	Citations
76	Identification and characterization of rod-derived cone viability factor. <i>Nature Genetics</i> , <b>2004</b> , 36, 755-9	36.3	385
75	Identification of genes associated with tumorigenesis and metastatic potential of hypopharyngeal cancer by microarray analysis. <i>Oncogene</i> , <b>2004</b> , 23, 2484-98	9.2	220
74	The conserved transcriptome in human and rodent male gametogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 8346-51	11.5	212
73	Role of miR-34c microRNA in the late steps of spermatogenesis. <i>Rna</i> , <b>2010</b> , 16, 720-31	5.8	193
72	Chromosomal gene movements reflect the recent origin and biology of therian sex chromosomes. <i>PLoS Biology</i> , <b>2008</b> , 6, e80	9.7	141
71	Execution of the meiotic noncoding RNA expression program and the onset of gametogenesis in yeast require the conserved exosome subunit Rrp6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 1058-63	11.5	103
70	PipeAlign: A new toolkit for protein family analysis. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 3829-32	20.1	96
69	Androgen-regulated microRNA-135a decreases prostate cancer cell migration and invasion through downregulating ROCK1 and ROCK2. <i>Oncogene</i> , <b>2015</b> , 34, 2846-55	9.2	90
68	An atlas of chromatoid body components. <i>Rna</i> , <b>2014</b> , 20, 483-95	5.8	68
67	Global human tissue profiling and protein network analysis reveals distinct levels of transcriptional germline-specificity and identifies target genes for male infertility. <i>Human Reproduction</i> , <b>2012</b> , 27, 3233-48	5.7	65
66	Cross-platform gene expression signature of human spermatogenic failure reveals inflammatory-like response. <i>Human Reproduction</i> , <b>2007</b> , 22, 2936-46	5.7	63
65	Expression profiling of rainbow trout testis development identifies evolutionary conserved genes involved in spermatogenesis. <i>BMC Genomics</i> , <b>2009</b> , 10, 546	4.5	62
64	Polyglutamine expansion causes neurodegeneration by altering the neuronal differentiation program. <i>Human Molecular Genetics</i> , <b>2006</b> , 15, 691-703	5.6	57
63	The Annotation, Mapping, Expression and Network (AMEN) suite of tools for molecular systems biology. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 86	3.6	55
62	Research resource: the dynamic transcriptional profile of sertoli cells during the progression of spermatogenesis. <i>Molecular Endocrinology</i> , <b>2015</b> , 29, 627-42		50
61	Rod-derived Cone Viability Factor-2 is a novel bifunctional-thioredoxin-like protein with therapeutic potential. <i>BMC Molecular Biology</i> , <b>2007</b> , 8, 74	4.5	50
60	Enhancer sequence conservation between vertebrates is favoured in developmental regulator genes. <i>Trends in Genetics</i> , <b>2005</b> , 21, 207-10	8.5	49

59	Expression of HLA-G by mast cells is associated with hepatitis C virus-induced liver fibrosis. <i>Journal of Hepatology</i> , <b>2014</b> , 60, 245-52	13.4	46
58	The epigenetic processes of meiosis in male mice are broadly affected by the widely used herbicide atrazine. <i>BMC Genomics</i> , <b>2015</b> , 16, 885	4.5	45
57	Linking transcriptomics and proteomics in spermatogenesis. <i>Reproduction</i> , <b>2015</b> , 150, R149-57	3.8	40
56	High-resolution profiling of novel transcribed regions during rat spermatogenesis. <i>Biology of Reproduction</i> , <b>2014</b> , 91, 5	3.9	40
55	GermOnline 4.0 is a genomics gateway for germline development, meiosis and the mitotic cell cycle. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2010</b> , 2010, baq030	5	38
54	Temporally regulated traffic of HuR and its associated ARE-containing mRNAs from the chromatoid body to polysomes during mouse spermatogenesis. <i>PLoS ONE</i> , <b>2009</b> , 4, e4900	3.7	37
53	The ReproGenomics Viewer: an integrative cross-species toolbox for the reproductive science community. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, W109-16	20.1	34
52	Differential proteomic analysis of the mouse retina: the induction of crystallin proteins by retinal degeneration in the rd1 mouse. <i>Molecular and Cellular Proteomics</i> , <b>2003</b> , 2, 494-505	7.6	34
51	Profiling of androgen response in rainbow trout pubertal testis: relevance to male gonad development and spermatogenesis. <i>PLoS ONE</i> , <b>2013</b> , 8, e53302	3.7	33
50	GOAnno: GO annotation based on multiple alignment. <i>Bioinformatics</i> , <b>2005</b> , 21, 2095-6	7.2	33
49	The ReproGenomics Viewer: a multi-omics and cross-species resource compatible with single-cell studies for the reproductive science community. <i>Bioinformatics</i> , <b>2019</b> , 35, 3133-3139	7.2	31
48	Expression profiling and comparative genomics identify a conserved regulatory region controlling midline expression in the zebrafish embryo. <i>Genome Research</i> , <b>2004</b> , 14, 228-38	9.7	30
47	Cytosine modifications modulate the chromatin architecture of transcriptional enhancers. <i>Genome Research</i> , <b>2017</b> , 27, 947-958	9.7	29
46	Characterisation and localisation of the endocannabinoid system components in the adult human testis. <i>Scientific Reports</i> , <b>2019</b> , 9, 12866	4.9	28
45	RUNX1 maintains the identity of the fetal ovary through an interplay with FOXL2. <i>Nature Communications</i> , <b>2019</b> , 10, 5116	17.4	27
44	Metabolomics as a powerful tool to decipher the biological effects of environmental contaminants in humans. <i>Current Opinion in Toxicology</i> , <b>2018</b> , 8, 48-56	4.4	25
43	Meiotic Genes Are Enriched in Regions of Reduced Archaic Ancestry. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 1974-1980	8.3	24
42	RNA profiling of human testicular cells identifies syntenic lncRNAs associated with spermatogenesis. <i>Human Reproduction</i> , <b>2019</b> , 34, 1278-1290	5.7	22

41	goCluster integrates statistical analysis and functional interpretation of microarray expression data. <i>Bioinformatics</i> , <b>2005</b> , 21, 3575-7	7.2	22
40	Interplay between transcription regulators RUNX1 and FUBP1 activates an enhancer of the oncogene c-KIT and amplifies cell proliferation. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 11214-11228	20.1	21
39	DICER Regulates the Formation and Maintenance of Cell-Cell Junctions in the Mouse Seminiferous Epithelium. <i>Biology of Reproduction</i> , <b>2015</b> , 93, 139	3.9	18
38	Forty-four novel protein-coding loci discovered using a proteomics informed by transcriptomics (PIT) approach in rat male germ cells. <i>Biology of Reproduction</i> , <b>2014</b> , 91, 123	3.9	18
37	Combining RNA and protein profiling data with network interactions identifies genes associated with spermatogenesis in mouse and human. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 71	3.9	17
36	Glyceollins trigger anti-proliferative effects through estradiol-dependent and independent pathways in breast cancer cells. <i>Cell Communication and Signaling</i> , <b>2017</b> , 15, 26	7.5	16
35	An integrative omics strategy to assess the germ cell secretome and to decipher sertoli-germ cell crosstalk in the Mammalian testis. <i>PLoS ONE</i> , <b>2014</b> , 9, e104418	3.7	16
34	Expression screening of cancer/testis genes in prostate cancer identifies NR6A1 as a novel marker of disease progression and aggressiveness. <i>Prostate</i> , <b>2013</b> , 73, 1103-14	4.2	16
33	GPSy: a cross-species gene prioritization system for conserved biological processes--application in male gamete development. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, W458-65	20.1	16
32	Toward understanding the core meiotic transcriptome in mammals and its implications for somatic cancer. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1120, 1-15	6.5	16
31	TOXsigN: a cross-species repository for toxicogenomic signatures. <i>Bioinformatics</i> , <b>2018</b> , 34, 2116-2122	7.2	15
30	Deciphering the Molecular Mechanisms Sustaining the Estrogenic Activity of the Two Major Dietary Compounds Zearalenone and Apigenin in ER-Positive Breast Cancer Cell Lines. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	14
29	CLPH, a novel casein kinase 2-phosphorylated disordered protein, is specifically associated with postmeiotic germ cells in rat spermatogenesis. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2953-65	5.6	14
28	Proteomics and integrative genomics for unraveling the mysteries of spermatogenesis: the strategies of a team. <i>Journal of Proteomics</i> , <b>2014</b> , 107, 128-43	3.9	13
27	Genome-wide identification of Sox8-, and Sox9-dependent genes during early post-natal testis development in the mouse. <i>Andrology</i> , <b>2013</b> , 1, 281-92	4.2	13
26	C2orf62 and TTC17 are involved in actin organization and ciliogenesis in zebrafish and human. <i>PLoS ONE</i> , <b>2014</b> , 9, e86476	3.7	13
25	PromAn: an integrated knowledge-based web server dedicated to promoter analysis. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, W578-83	20.1	12
24	Profiling spermatogenic failure in adult testes bearing Sox9-deficient Sertoli cells identifies genes involved in feminization, inflammation and stress. <i>Reproductive Biology and Endocrinology</i> , <b>2010</b> , 8, 154	5	11

23	Cold/menthol TRPM8 receptors initiate the cold-shock response and protect germ cells from cold-shock-induced oxidation. <i>FASEB Journal</i> , <b>2016</b> , 30, 3155-70	0.9	10
22	Evaluation of apoptotic- and autophagic-related protein expressions before and after IVM of fresh, slow-frozen and vitrified pre-pubertal mouse testicular tissue. <i>Molecular Human Reproduction</i> , <b>2017</b> , 23, 738-754	4.4	9
21	Endogenous IL-33 Deficiency Exacerbates Liver Injury and Increases Hepatic Influx of Neutrophils in Acute Murine Viral Hepatitis. <i>Mediators of Inflammation</i> , <b>2017</b> , 2017, 1359064	4.3	9
20	Defining the human sperm microtubulome: an integrated genomics approach. <i>Biology of Reproduction</i> , <b>2017</b> , 96, 93-106	3.9	9
19	Fhl5/Act, a CREM-binding transcriptional activator required for normal sperm maturation and morphology, is not essential for testicular gene expression. <i>Reproductive Biology and Endocrinology</i> , <b>2009</b> , 7, 133	5	9
18	Transcriptome analysis of fetal rat testis following intrauterine exposure to the azole fungicides triticonazole and flusilazole reveals subtle changes despite adverse endocrine effects. <i>Chemosphere</i> , <b>2021</b> , 264, 128468	8.4	7
17	Genome-Wide Transcriptional and Functional Analysis of Human T Lymphocytes Treated with Benzo[a]pyrene. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	7
16	Distinct Transcriptional Profiles of the Female, Male, and Finasteride-Induced Feminized Male Anogenital Region in Rat Fetuses. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 303-311	4.4	6
15	Dynamics of the transcriptional landscape during human fetal testis and ovary development. <i>Human Reproduction</i> , <b>2020</b> , 35, 1099-1119	5.7	5
14	Characterization of Glyceollins as Novel Aryl Hydrocarbon Receptor Ligands and Their Role in Cell Migration. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
13	New transcriptomic tools to understand testis development and functions. <i>Molecular and Cellular Endocrinology</i> , <b>2018</b> , 468, 47-59	4.4	5
12	The Male Fertility Gene Atlas: a web tool for collecting and integrating OMICS data in the context of male infertility. <i>Human Reproduction</i> , <b>2020</b> , 35, 1983-1990	5.7	5
11	Design and evaluation of Actichip, a thematic microarray for the study of the actin cytoskeleton. <i>BMC Genomics</i> , <b>2007</b> , 8, 294	4.5	4
10	Sperm proteins and cancer-testis antigens are released by the seminiferous tubules in mice and men. <i>FASEB Journal</i> , <b>2021</b> , 35, e21397	0.9	4
9	Systemic compensatory response to neonatal estradiol exposure does not prevent depletion of the oocyte pool in the rat. <i>PLoS ONE</i> , <b>2013</b> , 8, e82175	3.7	3
8	Cooperative Blockade of CK2 and ATM Kinases Drives Apoptosis in VHL-Deficient Renal Carcinoma Cells through ROS Overproduction. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3
7	Exploiting advances in transcriptomics to improve on human-relevant toxicology. <i>Current Opinion in Toxicology</i> , <b>2018</b> , 11-12, 43-50	4.4	3
6	PFOS-induced thyroid hormone system disrupted rats display organ-specific changes in their transcriptomes.. <i>Environmental Pollution</i> , <b>2022</b> , 119340	9.3	3

5	FlexDotPlot: a universal and modular dot plot visualization tool for complex multifaceted data		2
4	Adult female rats perinatally exposed to perfluorohexane sulfonate (PFHxS) and a mixture of endocrine disruptors display increased body/fat weights without a transcriptional footprint in fat cells. <i>Toxicology Letters</i> , <b>2021</b> , 339, 78-87	4.4	2
3	Transcriptomic analysis in zebrafish larvae identifies iron-dependent mitochondrial dysfunction as a possible key event of NAFLD progression induced by benzo[a]pyrene/ethanol co-exposure.. <i>Cell Biology and Toxicology</i> , <b>2022</b> , 1	7.4	1
2	Understanding the Underlying Molecular Mechanisms of Meiotic Arrest during In Vitro Spermatogenesis in Rat Prepubertal Testicular Tissue. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5893	6.3	0
1	Combined RNA/tissue profiling identifies novel Cancer/testis genes. <i>Molecular Oncology</i> , <b>2021</b> , 15, 3003-3023		