

# Rafael Oliva

## List of Publications by Citations

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170  
papers

7,129  
citations

47  
h-index

79  
g-index

179  
ext. papers

8,074  
ext. citations

4.8  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
170	Protamines and male infertility. <i>Human Reproduction Update</i> , <b>2006</b> , 12, 417-35	15.8	518
169	Vertebrate protamine genes and the histone-to-protamine replacement reaction. <i>Progress in Molecular Biology and Translational Science</i> , <b>1991</b> , 40, 25-94		312
168	Identification of proteomic differences in asthenozoospermic sperm samples. <i>Human Reproduction</i> , <b>2008</b> , 23, 783-91	5.7	222
167	Proteomic identification of human sperm proteins. <i>Proteomics</i> , <b>2006</b> , 6, 4356-69	4.8	205
166	The combined human sperm proteome: cellular pathways and implications for basic and clinical science. <i>Human Reproduction Update</i> , <b>2014</b> , 20, 40-62	15.8	173
165	Familial atypical progressive supranuclear palsy associated with homozygosity for the delN296 mutation in the tau gene. <i>Annals of Neurology</i> , <b>2001</b> , 49, 263-7	9.4	165
164	Relationships between human sperm protamines, DNA damage and assisted reproduction outcomes. <i>Reproductive BioMedicine Online</i> , <b>2011</b> , 23, 724-34	4	161
163	Human sperm tail proteome suggests new endogenous metabolic pathways. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 330-42	7.6	144
162	Spanish Multicenter Normative Studies (NEURONORMA Project): methods and sample characteristics. <i>Archives of Clinical Neuropsychology</i> , <b>2009</b> , 24, 307-19	2.7	141
161	Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , <b>2008</b> , 26, 164-7	44.5	138
160	Detection of P2 precursors in the sperm cells of infertile patients who have reduced protamine P2 levels. <i>Fertility and Sterility</i> , <b>1998</b> , 69, 755-9	4.8	134
159	Marked differences in protamine content and P1/P2 ratios in sperm cells from percoll fractions between patients and controls. <i>Journal of Andrology</i> , <b>2003</b> , 24, 438-47		128
158	Sperm cell proteomics. <i>Proteomics</i> , <b>2009</b> , 9, 1004-17	4.8	127
157	Protamine 2 precursors, protamine 1/protamine 2 ratio, DNA integrity and other sperm parameters in infertile patients. <i>Human Reproduction</i> , <b>2006</b> , 21, 2084-9	5.7	115
156	Marked correlations in protein expression identified by proteomic analysis of human spermatozoa. <i>Proteomics</i> , <b>2007</b> , 7, 4264-77	4.8	113
155	Significant association between the tau gene A0/A0 genotype and Parkinson's disease. <i>Annals of Neurology</i> , <b>2000</b> , 47, 242-245	9.4	111
154	Identification of proteins involved in human sperm motility using high-throughput differential proteomics. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 5670-84	5.6	110

153	Histone hyperacetylation can induce unfolding of the nucleosome core particle. <i>Nucleic Acids Research</i> , <b>1990</b> , 18, 2739-47	20.1	109
152	Proteomic characterization of the human sperm nucleus. <i>Proteomics</i> , <b>2011</b> , 11, 2714-26	4.8	108
151	Differential RNAs in the sperm cells of asthenozoospermic patients. <i>Human Reproduction</i> , <b>2012</b> , 27, 1431-9	5.9	89
150	High frequency of gr/gr chromosome Y deletions in consecutive oligospermic ICSI candidates. <i>Human Reproduction</i> , <b>2005</b> , 20, 216-20	5.7	88
149	Frequency of mutations in the presenilin and amyloid precursor protein genes in early-onset Alzheimer disease in Spain. <i>Archives of Neurology</i> , <b>2002</b> , 59, 1759-63		88
148	Histone H4 hyperacetylation and rapid turnover of its acetyl groups in transcriptionally inactive rooster testis spermatids. <i>Nucleic Acids Research</i> , <b>1982</b> , 10, 8049-59	20.1	87
147	Prevalence of the Cys282Tyr and His63Asp HFE gene mutations in Spanish patients with hereditary hemochromatosis and in controls. <i>Journal of Hepatology</i> , <b>1998</b> , 29, 725-8	13.4	86
146	Semen proteomics and male infertility. <i>Journal of Proteomics</i> , <b>2017</b> , 162, 125-134	3.9	84
145	Evolution of protamine P1 genes in mammals. <i>Journal of Molecular Evolution</i> , <b>1995</b> , 40, 601-7	3.1	80
144	Significant changes in the tau A0 and A3 alleles in progressive supranuclear palsy and improved genotyping by silver detection. <i>Archives of Neurology</i> , <b>1998</b> , 55, 1122-4		78
143	SAT-035 In Vitro Effect of Different Follicle-Stimulating Hormone Preparations on Sertoli Cells. <i>Journal of the Endocrine Society</i> , <b>2020</b> , 4,	0.4	78
142	Protamine 2 precursors (Pre-P2), protamine 1 to protamine 2 ratio (P1/P2), and assisted reproduction outcome. <i>Fertility and Sterility</i> , <b>2009</b> , 91, 715-22	4.8	74
141	Identification of protein changes in human spermatozoa throughout the cryopreservation process. <i>Andrology</i> , <b>2017</b> , 5, 10-22	4.2	68
140	Prevalence of Y chromosome microdeletions in oligospermic and azoospermic candidates for intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , <b>1998</b> , 70, 506-10	4.8	68
139	The contribution of human sperm proteins to the development and epigenome of the preimplantation embryo. <i>Human Reproduction Update</i> , <b>2018</b> , 24, 535-555	15.8	66
138	Human sperm DNA fragmentation: correlation of TUNEL results as assessed by flow cytometry and optical microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2007</b> , 71, 1011-8	4.6	64
137	Proteomics in the study of the sperm cell composition, differentiation and function. <i>Systems Biology in Reproductive Medicine</i> , <b>2008</b> , 54, 23-36	2.9	63
136	Identification of Spanish familial Parkinson's disease and screening for the Ala53Thr mutation of the alpha-synuclein gene in early onset patients. <i>Neuroscience Letters</i> , <b>1997</b> , 235, 57-60	3.3	61

135	Vertebrate protamine gene evolution I. Sequence alignments and gene structure. <i>Journal of Molecular Evolution</i> , <b>1990</b> , 30, 333-46	3.1	60
134	The small RNA content of human sperm reveals pseudogene-derived piRNAs complementary to protein-coding genes. <i>Rna</i> , <b>2015</b> , 21, 1085-95	5.8	59
133	Acrosin-binding protein (ACRBP) and triosephosphate isomerase (TPI) are good markers to predict boar sperm freezing capacity. <i>Theriogenology</i> , <b>2013</b> , 80, 443-50	2.8	58
132	Protamine/DNA ratios and DNA damage in native and density gradient centrifuged sperm from infertile patients. <i>Journal of Andrology</i> , <b>2011</b> , 32, 324-32		57
131	Phenotypic variation within European carriers of the Y-chromosomal gr/gr deletion is independent of Y-chromosomal background. <i>Journal of Medical Genetics</i> , <b>2009</b> , 46, 21-31	5.8	57
130	Proteomics and the genetics of sperm chromatin condensation. <i>Asian Journal of Andrology</i> , <b>2011</b> , 13, 24-30	2.8	56
129	Rapid analysis of mammalian sperm nuclear proteins. <i>Analytical Biochemistry</i> , <b>1993</b> , 209, 201-3	3.1	55
128	High-throughput sperm differential proteomics suggests that epigenetic alterations contribute to failed assisted reproduction. <i>Human Reproduction</i> , <b>2014</b> , 29, 1225-37	5.7	53
127	Clinical relevance of Y-linked CNV screening in male infertility: new insights based on the 8-year experience of a diagnostic genetic laboratory. <i>European Journal of Human Genetics</i> , <b>2014</b> , 22, 754-61	5.3	53
126	Comparative analysis of boar seminal plasma proteome from different freezability ejaculates and identification of Fibronectin 1 as sperm freezability marker. <i>Andrology</i> , <b>2015</b> , 3, 345-56	4.2	52
125	Identification of a novel polymorphism in the promoter region of the tau gene highly associated to progressive supranuclear palsy in humans. <i>Neuroscience Letters</i> , <b>1999</b> , 275, 183-6	3.3	52
124	Marked differences in the ability of distinct protamines to disassemble nucleosomal core particles in vitro. <i>Biochemistry</i> , <b>1986</b> , 25, 6508-11	3.2	48
123	Further extension of the H1 haplotype associated with progressive supranuclear palsy. <i>Movement Disorders</i> , <b>2002</b> , 17, 550-6	7	47
122	The "omics" of human male infertility: integrating big data in a systems biology approach. <i>Cell and Tissue Research</i> , <b>2016</b> , 363, 295-312	4.2	46
121	Human sperm chromatin epigenetic potential: genomics, proteomics, and male infertility. <i>Asian Journal of Andrology</i> , <b>2015</b> , 17, 601-9	2.8	46
120	Protein and DNA contents in sperm from an infertile human male possessing protamine defects that vary over time. <i>Molecular Reproduction and Development</i> , <b>1998</b> , 50, 345-53	2.6	46
119	Haploid expression of the rooster protamine mRNA in the postmeiotic stages of spermatogenesis. <i>Developmental Biology</i> , <b>1988</b> , 125, 332-40	3.1	46
118	Sperm nuclear proteome and its epigenetic potential. <i>Andrology</i> , <b>2014</b> , 2, 326-38	4.2	44

117	Identification of conserved potentially regulatory sequences of the SRY gene from 10 different species of mammals. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 245, 370-7	3.4	44
116	Evolution of protamine P1 genes in primates. <i>Journal of Molecular Evolution</i> , <b>1993</b> , 37, 426-34	3.1	43
115	A common protamine 1 promoter polymorphism (-190 C->A) correlates with abnormal sperm morphology and increased protamine P1/P2 ratio in infertile patients. <i>Journal of Andrology</i> , <b>2008</b> , 29, 540-8		42
114	Long-distance restriction mapping of the proximal long arm of human chromosome 21 with Not I linking clones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 23-7	11.5	39
113	Tau phosphorylation and kinase activation in familial tauopathy linked to deln296 mutation. <i>Neuropathology and Applied Neurobiology</i> , <b>2003</b> , 29, 23-34	5.2	38
112	Identification of endogenous metabolites in human sperm cells using proton nuclear magnetic resonance ((1) H-NMR) spectroscopy and gas chromatography-mass spectrometry (GC-MS). <i>Andrology</i> , <b>2015</b> , 3, 496-505	4.2	37
111	A novel mutation in the PSEN2 gene (T430M) associated with variable expression in a family with early-onset Alzheimer disease. <i>Archives of Neurology</i> , <b>2003</b> , 60, 1149-51		37
110	An increased CAG repeat length in the androgen receptor gene in azoospermic ICSI candidates. <i>Journal of Andrology</i> , <b>2003</b> , 24, 279-84		37
109	Genomic and proteomic dissection and characterization of the human sperm chromatin. <i>Molecular Human Reproduction</i> , <b>2014</b> , 20, 1041-53	4.4	36
108	A novel mutation (V89L) in the presenilin 1 gene in a family with early onset Alzheimer's disease and marked behavioural disturbances. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2002</b> , 72, 266-9	5.5	36
107	Protamine alterations in human spermatozoa. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 791, 83-102	3.6	35
106	Polymorphisms, haplotypes and mutations in the protamine 1 and 2 genes. <i>Journal of Developmental and Physical Disabilities</i> , <b>2011</b> , 34, 470-85		34
105	Apolipoprotein E4 allele frequency in Spanish Alzheimer and control cases. <i>Neuroscience Letters</i> , <b>1995</b> , 189, 182-6	3.3	33
104	Identification of conserved potential regulatory sequences of the protamine-encoding P1 genes from ten different mammals. <i>Gene</i> , <b>1993</b> , 133, 197-204	3.8	33
103	High apolipoprotein E epsilon 4 allele frequency in age-related memory decline. <i>Annals of Neurology</i> , <b>1996</b> , 39, 548-51	9.4	31
102	Spanish multicenter normative studies (Neuronorma project): norms for the abbreviated Barcelona Test. <i>Archives of Clinical Neuropsychology</i> , <b>2011</b> , 26, 144-57	2.7	30
101	Molecular, cytogenetic, and clinical characterisation of six XX males including one prenatal diagnosis. <i>Journal of Medical Genetics</i> , <b>1998</b> , 35, 727-30	5.8	30
100	Population screening for hemochromatosis: a study in 5370 Spanish blood donors. <i>Journal of Hepatology</i> , <b>2003</b> , 38, 745-50	13.4	29

99	Emotional reactions to predictive testing in Alzheimer's disease and other inherited dementias. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , <b>2005</b> , 20, 233-8	2.5	29
98	Y-chromosomal DNA haplotypes in infertile European males carrying Y-microdeletions. <i>Journal of Endocrinological Investigation</i> , <b>2000</b> , 23, 671-6	5.2	28
97	Protamine 2 precursors and processing. <i>Protein and Peptide Letters</i> , <b>2011</b> , 18, 778-85	1.9	28
96	Identification and characterization of a new human cDNA from chromosome 21q22.3 encoding a basic nuclear protein. <i>Human Genetics</i> , <b>1998</b> , 102, 289-93	6.3	27
95	A novel presenilin 2 gene mutation (D439A) in a patient with early-onset Alzheimer's disease. <i>Neurology</i> , <b>2001</b> , 57, 1926-8	6.5	27
94	Advances in sperm proteomics: best-practise methodology and clinical potential. <i>Expert Review of Proteomics</i> , <b>2015</b> , 12, 255-77	4.2	26
93	The effect of tetrabromobisphenol A on protamine content and DNA integrity in mouse spermatozoa. <i>Andrology</i> , <b>2014</b> , 2, 910-7	4.2	26
92	Influence of beta-2 adrenergic receptor gene polymorphism on the hemodynamic response to propranolol in patients with cirrhosis. <i>Hepatology</i> , <b>2006</b> , 43, 34-41	11.2	26
91	A new mutation in the parkin gene in a patient with atypical autosomal recessive juvenile parkinsonism. <i>Neuroscience Letters</i> , <b>2000</b> , 289, 66-8	3.3	26
90	Identification and characterization of a new human gene encoding a small protein with high homology to the proline-rich region of the SH3BGR gene. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 247, 302-6	3.4	26
89	Improvement in chromatin maturity of human spermatozoa selected through density gradient centrifugation. <i>Journal of Developmental and Physical Disabilities</i> , <b>2011</b> , 34, 256-67		25
88	Altered histone retention and epigenetic modifications in the sperm of infertile men. <i>Asian Journal of Andrology</i> , <b>2012</b> , 14, 239-40	2.8	25
87	Methods for the analysis of the sperm proteome. <i>Methods in Molecular Biology</i> , <b>2013</b> , 927, 411-22	1.4	23
86	Cerebrospinal fluid biomarkers in Alzheimer's disease families with PSEN1 mutations. <i>Neurodegenerative Diseases</i> , <b>2011</b> , 8, 202-7	2.3	23
85	The genotype 2/2 of the presenilin-1 polymorphism is decreased in Spanish early-onset Alzheimer's disease. <i>Neuroscience Letters</i> , <b>1997</b> , 227, 201-4	3.3	23
84	Cloning, sequencing and characterization of the rat hereditary hemochromatosis promoter: comparison of the human, mouse and rat HFE promoter regions. <i>Gene</i> , <b>1998</b> , 225, 77-87	3.8	23
83	Alpha-antichymotrypsin gene polymorphism and risk for Alzheimer's disease in the Spanish population. <i>Neuroscience Letters</i> , <b>1998</b> , 240, 107-9	3.3	23
82	Identification of a novel mutation (Leu282Arg) of the human presenilin 1 gene in Alzheimer's disease. <i>Neuroscience Letters</i> , <b>1998</b> , 240, 174-6	3.3	23

81	SRY gene transferred to the long arm of the X chromosome in a Y-positive XX true hermaphrodite. <i>American Journal of Medical Genetics Part A</i> , <b>2000</b> , 90, 25-8		22
80	Novel phospholipase C zeta 1 mutations associated with fertilization failures after ICSI. <i>Human Reproduction</i> , <b>2019</b> , 34, 1494-1504	5.7	21
79	Atypical XX male with the SRY gene located at the long arm of chromosome 1 and a 1qter microdeletion. <i>American Journal of Medical Genetics, Part A</i> , <b>2008</b> , 146A, 1335-40	2.5	21
78	Relative high frequency of the c.255delA parkin gene mutation in Spanish patients with autosomal recessive parkinsonism. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2002</b> , 73, 582-4	5.5	21
77	Methodological advances in sperm proteomics. <i>Human Fertility</i> , <b>2010</b> , 13, 263-7	1.9	20
76	Down syndrome critical region gene 2: expression during mouse development and in human cell lines indicates a function related to cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 272, 156-63	3.4	20
75	One-Year Reference Norms of Cognitive Change in Spanish Old Adults: Data from the NEURONORMA Sample. <i>Archives of Clinical Neuropsychology</i> , <b>2016</b> , 31, 378-88	2.7	17
74	Analysis of the coding and the 5Sflanking regions of the alpha-synuclein gene in patients with Parkinson's disease. <i>Movement Disorders</i> , <b>2001</b> , 16, 1115-9	7	15
73	Transferrin C2 allele, haemochromatosis gene mutations, and risk for Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2002</b> , 72, 820-1	5.5	15
72	Uncommon polymorphism in the presenilin genes in human familial Alzheimer's disease: not to be mistaken with a pathogenic mutation. <i>Neuroscience Letters</i> , <b>2002</b> , 318, 166-8	3.3	15
71	A novel presenilin 1 mutation (Leu166Arg) associated with early-onset Alzheimer disease. <i>Archives of Neurology</i> , <b>2000</b> , 57, 485-8		15
70	Complete characterization of the 3Sregion of the human and mouse hereditary hemochromatosis HFE gene and detection of novel splicing forms. <i>Blood Cells, Molecules, and Diseases</i> , <b>2001</b> , 27, 35-43	2.1	15
69	Dopamine receptor D2 intronic polymorphism in patients with Parkinson's disease. <i>Neuroscience Letters</i> , <b>1999</b> , 273, 151-4	3.3	15
68	Demonstration of trans-acting factors binding to the promoter region of the testis-specific rat protamine P1 gene. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 208, 802-12	3.4	15
67	Hereditary hemochromatosis in Spain. <i>Genetic Testing and Molecular Biomarkers</i> , <b>2000</b> , 4, 171-6		14
66	A novel silent variant at codon 711 and a variant at codon 708 of the APP sequence detected in Spanish Alzheimer and control cases. <i>Neuroscience Letters</i> , <b>1993</b> , 150, 33-4	3.3	13
65	Proteomic Changes in Human Sperm During Sequential Capacitation and Acrosome Reaction. <i>Frontiers in Cell and Developmental Biology</i> , <b>2019</b> , 7, 295	5.7	13
64	COVID-19 and human reproduction: A pandemic that packs a serious punch. <i>Systems Biology in Reproductive Medicine</i> , <b>2021</b> , 67, 3-23	2.9	13



63	High apolipoprotein E4 allele frequency in FXTAS patients. <i>Genetics in Medicine</i> , <b>2013</b> , 15, 639-42	8.1	12
62	Characterisation and expression analysis of the WDR9 gene, located in the Down critical region-2 of the human chromosome 21. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2002</b> , 1577, 377-83		12
61	Progressive supranuclear palsy: earlier age of onset in patients with the tau protein A0/A0 genotype. <i>Journal of Neurology</i> , <b>2000</b> , 247, 206-8	5.5	12
60	Protamine 1 gene sequence from the primate <i>Saguinus imperator</i> isolated with PCR using consensus oligonucleotides. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 5786	20.1	12
59	Stable-protein Pair Analysis as A Novel Strategy to Identify Proteomic Signatures: Application To Seminal Plasma From Infertile Patients. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, S77-S90	7.6	12
58	A novel PSEN1 gene mutation (L235R) associated with familial early-onset Alzheimer's disease. <i>Neuroscience Letters</i> , <b>2011</b> , 496, 40-2	3.3	11
57	Detection of the presenilin 1 gene mutation (M139T) in early-onset familial Alzheimer disease in Spain. <i>Neuroscience Letters</i> , <b>2001</b> , 299, 239-41	3.3	11
56	Improved direct sequencing of Alzheimer's amyloid precursor protein (APP) exons 16 and 17. <i>Neuroscience Letters</i> , <b>1992</b> , 141, 69-71	3.3	11
55	Conserved elements in the 5Sregulatory region of the amyloid precursor protein gene in primates. <i>Neuroscience Letters</i> , <b>1997</b> , 226, 203-6	3.3	10
54	Identification and characterization of a new gene from human chromosome 21 between markers D21S343 and D21S268 encoding a leucine-rich protein. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 250, 547-54	3.4	10
53	Apolipoprotein E polymorphism in Alzheimer's disease: a comparative study of two research populations from Spain and the United States. <i>European Neurology</i> , <b>1998</b> , 39, 229-33	2.1	10
52	New ubiquitin mRNA expressed during chicken spermiogenesis. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 9604	20.1	10
51	Sperm telomere length in donor samples is not related to ICSI outcome. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2018</b> , 35, 649-657	3.4	9
50	Zona pellucida-binding protein 2 (ZBP2) and several proteins containing BX7B motifs in human sperm may have hyaluronic acid binding or recognition properties. <i>Molecular Human Reproduction</i> , <b>2017</b> , 23, 803-816	4.4	9
49	Sperm Nucleoproteins <b>2011</b> , 45-60		9
48	The HFE gene is associated to an earlier age of onset and to the presence of diabetic nephropathy in diabetes mellitus type 2. <i>Endocrine</i> , <b>2004</b> , 24, 111-4		9
47	Tau gene delN296 mutation, Parkinson's disease, and atypical supranuclear palsy. <i>Annals of Neurology</i> , <b>2004</b> , 55, 448-9	9.4	9
46	Nucleotide sequence of the protamine P1 gene from the whale <i>Orcinus orca</i> predicts a unique N-terminal amino-acid motif. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 609	20.1	9



45	Expression and processing of the rooster protamine mRNA. <i>Annals of the New York Academy of Sciences</i> , <b>1991</b> , 637, 289-99	6.5	9
44	Direct Sequencing of the Human Protamine P1 Gene and Application in Forensic Medicine. <i>Journal of Forensic Sciences</i> , <b>1993</b> , 38, 13557J	1.8	9
43	Medical Implications of Sperm Nuclear Quality. <i>Epigenetics and Human Health</i> , <b>2011</b> , 45-83		8
42	High-resolution physical map and identification of potentially regulatory sequences of the human SH3BGR located in the Down syndrome chromosomal region. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 241, 321-6	3.4	8
41	Apolipoprotein E epsilon 4 alleles and meiotic origin of non-disjunction in Down syndrome children and in their corresponding fathers and mothers. <i>Neuroscience Letters</i> , <b>1998</b> , 248, 1-4	3.3	8
40	High resolution physical mapping and identification of transcribed sequences in the Down syndrome region-2. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 243, 572-8	3.4	8
39	Sperm Nucleoproteins (Histones and Protamines) <b>2018</b> , 31-51		8
38	Identificaci3n de diferencias prote3micas en muestras oligozoosp3micas. <i>Revista Internacional De Androlog3a</i> , <b>2009</b> , 7, 14-19	0.6	7
37	No evidence of linkage to 6p markers in spanish families with juvenile myoclonic epilepsy. <i>Neuroscience Letters</i> , <b>2000</b> , 286, 213-7	3.3	7
36	Mammalian Sperm Protamine Extraction and Analysis: A Step-By-Step Detailed Protocol and Brief Review of Protamine Alterations. <i>Protein and Peptide Letters</i> , <b>2018</b> , 25, 424-433	1.9	7
35	SBiRM: Focus on proteomics and reproduction. Preface. <i>Systems Biology in Reproductive Medicine</i> , <b>2012</b> , 58, 177-8	2.9	6
34	Analysis of the polymorphic (GT)(n) repeat at the dopamine beta-hydroxylase gene in Spanish patients affected by schizophrenia. <i>American Journal of Medical Genetics Part A</i> , <b>2000</b> , 96, 88-92		6
33	Identification of a complex population of chromatin-associated proteins in the European sea bass ( <i>Dicentrarchus labrax</i> ) sperm. <i>Systems Biology in Reproductive Medicine</i> , <b>2018</b> , 64, 502-517	2.9	6
32	"" Effect of Different Follicle-Stimulating Hormone Preparations on Sertoli Cells: Toward a Personalized Treatment for Male Infertility. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 401	5.7	5
31	Characterization of Human Sperm Protamine Proteoforms through a Combination of Top-Down and Bottom-Up Mass Spectrometry Approaches. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 221-237	5.6	5
30	Global Proteomic and Methylome Analysis in Human Induced Pluripotent Stem Cells Reveals Overexpression of a Human TLR3 Affecting Proper Innate Immune Response Signaling. <i>Stem Cells</i> , <b>2019</b> , 37, 476-488	5.8	5
29	Proteomics of the spermatozoon. <i>Balkan Journal of Medical Genetics</i> , <b>2012</b> , 15, 27-30	0.9	4
28	Low apolipoprotein E epsilon4 allele frequency in the population of Catalonia (Spain) determined by PCR-RFLP and Laser fluorescent sequencer. <i>European Journal of Epidemiology</i> , <b>1997</b> , 13, 841-3	12.1	4

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