

Miguel Burgos

List of Publications by Year in descending order

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83
papers

1,511
citations

279798

23
h-index

395702

33
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85
all docs

85
docs citations

85
times ranked

1383
citing authors

#	ARTICLE	IF	CITATIONS
1	Sox9 and Sox8 protect the adult testis from male-to-female genetic reprogramming and complete degeneration. <i>ELife</i> , 2016, 5, .	6.0	74
2	A study of the Ag-staining significance in mitotic NOR's. <i>Heredity</i> , 1988, 60, 125-127.	2.6	69
3	A MicroRNA (mmu-miR-124) Prevents Sox9 Expression in Developing Mouse Ovarian Cells1. <i>Biology of Reproduction</i> , 2013, 89, 78.	2.7	53
4	Inactive ribosomal cistrons are spread throughout the B chromosomes of <i>Rattus rattus</i> (Rodentia,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38</i>	2.2	52
5	Role of Apoptosis and Cell Proliferation in the Testicular Dynamics of Seasonal Breeding Mammals: A Study in the Iberian Mole, <i>Talpa occidentalis</i> 1. <i>Biology of Reproduction</i> , 2010, 83, 83-91.	2.7	52
6	Cytogenetic peculiarities in the Algerian hedgehog: silver stains not only NORs but also heterochromatic blocks. <i>Heredity</i> , 1995, 75, 10-16.	2.6	51
7	A Rapid, Simple and Reliable Combined Method for G-Banding Mammalian and Human Chromosomes. <i>Biotechnic & Histochemistry</i> , 1986, 61, 257-260.	0.4	42
8	Identification of Live Germ-Cell Desquamation as a Major Mechanism of Seasonal Testis Regression in Mammals: A Study in the Iberian Mole (<i>Talpa occidentalis</i>)1. <i>Biology of Reproduction</i> , 2013, 88, 101.	2.7	37
9	Heterogeneous heterochromatin and size variation in the sex chromosomes of <i>Microtus cabrerae</i> 1. <i>Cytogenetic and Genome Research</i> , 1988, 47, 75-79.	1.1	34
10	Achiasmatic giant sex chromosomes in the vole <i>Microtus cabrerae</i> (Rodentia,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38</i>	1.1	34
11	Enhanced vulnerability of human proteins towards disease-associated inactivation through divergent evolution. <i>Human Molecular Genetics</i> , 2017, 26, 3531-3544.	2.9	34
12	Females of four mole species of genus <i>Talpa</i> (Insectivora, mammalia) are true hermaphrodites with ovotestes. <i>Molecular Reproduction and Development</i> , 1996, 44, 289-294.	2.0	33
13	Genes promoting and disturbing testis development. <i>Histology and Histopathology</i> , 2012, 27, 1361-83.	0.7	33
14	Interchromosomal, intercellular and interindividual variability of NORs studied with silver staining and in situ hybridization. <i>Heredity</i> , 1997, 78, 229-234.	2.6	32
15	Testis-like development of gonads in female moles. New insights on mammalian gonad organogenesis. <i>Developmental Biology</i> , 2004, 268, 39-52.	2.0	32
16	Circannual Testis Changes in Seasonally Breeding Mammals. <i>Sexual Development</i> , 2015, 9, 205-215.	2.0	32
17	Multiple, polymorphic copies of SRY in both males and females of the vole <i>Microtus cabrerae</i> . <i>Cytogenetic and Genome Research</i> , 1997, 79, 167-171.	1.1	31
18	Achiasmatic sex chromosomes in <i>Pitymys duodecimcostatus</i> : mechanisms of association and segregation. <i>Cytogenetic and Genome Research</i> , 1991, 56, 78-81.	1.1	30

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19	Puzzling out the genetics of mammalian sex determination. <i>Trends in Genetics</i> , 1996, 12, 164-166.	6.7	30
20	Karyotype and Chromosome Banding in the Mole (<i>Talpa Occidentalis</i>) from the South-East of the Iberian Peninsula. Implications on its Taxonomic Position. <i>Caryologia</i> , 1984, 37, 253-258.	0.3	29
21	Natural Exceptions to Normal Gonad Development in Mammals. <i>Sexual Development</i> , 2013, 7, 147-162.	2.0	28
22	Recent evolution of NOR-bearing and sex chromosomes of the North African rodent <i>Lemniscomys barbarus</i> . <i>Chromosome Research</i> , 1997, 5, 481-485.	2.2	25
23	Comparative study of G- and C-banded chromosomes of five species of Microtidae: a chromosomal evolution analysis. <i>Genome</i> , 1988, 30, 540-546.	2.0	24
24	Multiple mono- and polymorphic Y-linked copies of the SRY HMG-box in Microtidae. <i>Cytogenetic and Genome Research</i> , 1999, 86, 46-50.	1.1	24
25	Developmental Stages and Growth Rate of the Mole <i>Talpa occidentalis</i> (Insectivora, Mammalia). <i>Journal of Mammalogy</i> , 2004, 85, 120-125.	1.3	24
26	Fluorescence banding in four species of Microtidae: an analysis of the evolutive changes of the constitutive heterochromatin. <i>Genetica</i> , 1990, 81, 11-16.	1.1	21
27	Sex reversal in a wild population of <i>Talpa occidentalis</i> (Insectivora, mammalia). <i>Genetical Research</i> , 1988, 52, 135-140.	0.9	20
28	High sequence identity between the SRY HMG box from humans and insectivores. <i>Mammalian Genome</i> , 1996, 7, 536-538.	2.2	20
29	The reproductive cycle of <i>Talpa occidentalis</i> in the southeastern Iberian Peninsula. <i>Acta Theriologica</i> , 1990, 35, 165-169.	1.1	20
30	Variable conservation of nucleolus organizer regions during karyotypic evolution in Microtidae. <i>Genome</i> , 1990, 33, 119-122.	2.0	19
31	The spatio-temporal pattern of testis organogenesis in mammals - insights from the mole. <i>International Journal of Developmental Biology</i> , 2009, 53, 1035-1044.	0.6	19
32	Quantitative analysis of silver staining of the nucleolar organizing region in <i>Eliomys quercinus</i> . <i>Genome</i> , 1989, 32, 978-982.	2.0	18
33	An alternative to blunt-end ligation for cloning DNA fragments with incompatible ends. <i>Trends in Genetics</i> , 1996, 12, 44.	6.7	18
34	Origin and function of embryonic Sertoli cells. <i>Biomolecular Concepts</i> , 2011, 2, 537-547.	2.2	18
35	Germ cell desquamation-based testis regression in a seasonal breeder, the Egyptian long-eared hedgehog, <i>Hemiechinus auritus</i> . <i>PLoS ONE</i> , 2018, 13, e0204851.	2.5	18
36	XY females in <i>Microtus cabreræ</i> (Rodentia, Microtidae): a case of possibly Y-linked sex reversal. <i>Cytogenetic and Genome Research</i> , 1988, 49, 275-277.	1.1	16

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37	Expression of Genes Controlling Testicular Development in Adult Testis of the Seasonally Breeding Iberian Mole. <i>Sexual Development</i> , 2011, 5, 77-88.	2.0	16
38	Mammalian sex determination: joining pieces of the genetic puzzle. <i>BioEssays</i> , 1998, 20, 696-699.	2.5	15
39	The relative rDNA content of a NOR determines its level of expression and its probability of becoming active. A sequential silver staining and in-situ hybridization study. <i>Chromosome Research</i> , 1999, 7, 563-570.	2.2	15
40	Effectiveness of intranasal vaccination against <i>Angiostrongylus costaricensis</i> using a serine/threonine phosphatase 2 A synthetic peptide and recombinant antigens. <i>Vaccine</i> , 2010, 28, 5185-5196.	3.8	15
41	Specific Colon Cancer Cell Cytotoxicity Induced by Bacteriophage E Gene Expression under Transcriptional Control of Carcinoembryonic Antigen Promoter. <i>International Journal of Molecular Sciences</i> , 2015, 16, 12601-12615.	4.1	14
42	Divergent Seasonal Reproductive Patterns in Syntopic Populations of Two Murine Species in Southern Spain, <i>Mus spretus</i> and <i>Apodemus sylvaticus</i> . <i>Animals</i> , 2021, 11, 243.	2.3	14
43	Ovotestis variability in young and adult females of the mole <i>Talpa occidentalis</i> (Insectivora). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5</i>	1.4	13
44	Meiosis Onset Is Postponed to Postnatal Stages during Ovotestis Development in Female Moles. <i>Sexual Development</i> , 2007, 1, 66-76.	2.0	13
45	Synergistic antitumoral effect of combination E gene therapy and Doxorubicin in MCF-7 breast cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2011, 65, 260-270.	5.6	12
46	Effect and in silico characterization of genetic variants associated with severe spermatogenic disorders in a large Iberian cohort. <i>Andrology</i> , 2021, 9, 1151-1165.	3.5	12
47	Sex Maintenance in Mammals. <i>Genes</i> , 2021, 12, 999.	2.4	12
48	Sertoli cell-specific ablation of miR-17-92 cluster significantly alters whole testis transcriptome without apparent phenotypic effects. <i>PLoS ONE</i> , 2018, 13, e0197685.	2.5	11
49	Non-Coding RNAs: lncRNAs, miRNAs, and piRNAs in Sexual Development. <i>Sexual Development</i> , 2021, 15, 335-350.	2.0	11
50	Isolation of a Species-Specific Satellite DNA with a Novel CENP-B-like Box from the North African Rodent <i>Lemniscomys barbarus</i> . <i>Experimental Cell Research</i> , 1999, 250, 381-386.	2.6	10
51	Deficiency of the onco-miRNA cluster, miR-106b [~] 1/425, causes oligozoospermia and the cooperative action of miR-106b [~] 1/425 and miR-17a [~] 1/492 is required to maintain male fertility. <i>Molecular Human Reproduction</i> , 2020, 28, 26, 389-401.		10
52	About the Karyotype Of <i>Microtus Nivalis</i> Martins (Rodentia, Microtinae). <i>Caryologia</i> , 1981, 34, 377-383.	0.3	9
53	Meiotic behaviour of sex chromosomes and polymeiosis in three species of insectivores. <i>Genetica</i> , 1984, 65, 187-192.	1.1	9
54	Synaptonemal complex analysis of spermatocytes of <i>Talpa occidentalis</i> (Insectivora, Mammalia): autosomal synapsis and substaging of zygonema and pachynema. <i>Cytogenetic and Genome Research</i> , 1990, 53, 97-102.	1.1	9

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55	Restriction enzyme banding and in situ nick-translation on different types of hetero- and euchromatin. <i>Experimental Cell Research</i> , 1992, 202, 545-548.	2.6	9
56	SOX9 is not required for the cellular events of testicular organogenesis in XX mole ovotestes. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009, 312B, 734-748.	1.3	9
57	Pattern and Density of Vascularization in Mammalian Testes, Ovaries, and Ovotestes. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2012, 318, 170-181.	1.3	9
58	The testis of greater white-toothed shrew <i>Crocicidura russula</i> in Southern European populations: A case of adaptive lack of seasonal involution?. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2014, 322, 304-315.	1.3	9
59	Intronic variation of the SOHLH2 gene confers risk to male reproductive impairment. <i>Fertility and Sterility</i> , 2020, 114, 398-406.	1.0	9
60	Abnormal sex-duct development in female moles: the role of anti-Müllerian hormone and testosterone. <i>International Journal of Developmental Biology</i> , 2003, 47, 451-8.	0.6	9
61	The <i>SRY</i> gene HMG-box in micro- and megabats. <i>Cytogenetic and Genome Research</i> , 2000, 88, 30-34.	1.1	8
62	Sex-chromosome pairing through heterochromatin in the African rodent <i>Lemniscomys barbarus</i> (Rodentia, Muridae). A synaptonemal complex study. <i>Chromosome Research</i> , 2000, 8, 277-283.	2.2	7
63	Silent ribosomal cistrons are located at the pairing segment of the postreductional sex chromosomes of <i>Apodemus sylvaticus</i> (Rodentia, Muridae). <i>Heredity</i> , 2001, 86, 128-133.	2.6	7
64	E phage gene transfection enhances sensitivity of lung and colon cancer cells to chemotherapeutic agents. <i>International Journal of Oncology</i> , 2010, 37, 1503-14.	3.3	7
65	Interchromosomal, intercellular and interindividual variability of NORs studied with silver staining and in situ hybridization. <i>Heredity</i> , 1997, 78, 229-234.	2.6	7
66	Comparative study of G- and C-banded chromosomes of five species of Microtidae. <i>Genetica</i> , 1986, 78, 3-12.	1.1	6
67	Transmission analysis of B chromosomes in <i>Rattus rattus</i> from Northern Africa. <i>Cytogenetic and Genome Research</i> , 2004, 106, 344-346.	1.1	6
68	Mediterranean Pine Vole, <i>Microtus duodecimcostatus</i> : A Paradigm of an Opportunistic Breeder. <i>Animals</i> , 2021, 11, 1639.	2.3	5
69	Common genetic variation in <i>KATNAL1</i> non-coding regions is involved in the susceptibility to severe phenotypes of male infertility. <i>Andrology</i> , 2022, 10, 1339-1350.	3.5	5
70	Synaptonemal complex analysis in <i>Talpa occidentalis</i> spermatocytes (Insectivora, Mammalia). <i>Cytogenetic and Genome Research</i> , 1990, 54, 35-37.	1.1	4
71	Replication of the heterogeneous heterochromatin of the sex chromosomes of <i>Microtus cabreræ</i> . <i>Experientia</i> , 1992, 48, 1151-1153.	1.2	4
72	A faster procedure for preparing amniotic cells for sexing embryos. <i>Technical Tips Online</i> , 2001, 6, 39-40.	0.2	4

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73	Purification and Characterization of a Protein Capable of Binding To Fatty Acids and Bile Salts in <i>Giardia lamblia</i> . <i>Journal of Parasitology</i> , 2011, 97, 642-647.	0.7	4
74	The synaptic sequence in hydroxyurea-treated spermatocytes of <i>Pitymys duodecimcostatus</i> (Rodentia, Microtidae). <i>Cytogenetic and Genome Research</i> , 1991, 56, 69-73.	1.1	3
75	Distribution of sister chromatid exchanges in different types of chromatin in the X chromosome of <i>Microtus cabrerai</i> . <i>Experientia</i> , 1996, 52, 511-515.	1.2	2
76	Did Spanish Moles Really Change Their Mechanism of Sex Determination in Only 5 Years?. <i>Journal of Theoretical Biology</i> , 1997, 188, 141-142.	1.7	2
77	Females of four mole species of genus <i>Talpa</i> (Insectivora, mammalia) are true hermaphrodites with ovotestes. <i>Molecular Reproduction and Development</i> , 1996, 44, 289-294.	2.0	2
78	Sox9 is required for nail bed differentiation and digit tip regeneration. <i>Journal of Investigative Dermatology</i> , 2022, , .	0.7	2
79	A substance secreted by rat Sertoli cells induces feminization of embryonic chick testes in vitro. <i>Anatomy and Embryology</i> , 1994, 189, 531-7.	1.5	1
80	Cell adhesion and immune response, two main functions altered in the transcriptome of seasonally regressed testes of two mammalian species. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2023, 340, 231-244.	1.3	1
81	Procedures for <i>Sxs</i> Antigen Detection by Antibody-Mediated Cytotoxicity Tests. A Comparative Analysis. <i>Journal of Immunoassay</i> , 1994, 15, 357-370.	0.3	0
82	Common Variation in the PIN1 Locus Increases the Genetic Risk to Suffer from Sertoli Cell-Only Syndrome. <i>Journal of Personalized Medicine</i> , 2022, 12, 932.	2.5	0
83	Silent ribosomal cistrons are located at the pairing segment of the postreductional sex chromosomes of <i>Apodemus sylvaticus</i> (Rodentia, Muridae). <i>Heredity</i> , 2001, 86, 128-133.	2.6	0