Manuel A Sanchez-Martin

List of Publications by Year
in descending order

51 papers	2,322 citations	279798 23 h-index	223800 46 g-index
59 all docs	59 docs citations	59 times ranked	2966 citing authors

#	Article	IF	Citations
1	Long-Term Effects of Mouse Intracytoplasmic Sperm Injection with DNA-Fragmented Sperm on Health and Behavior of Adult Offspring1. Biology of Reproduction, 2008, 78, 761-772.	2.7	311
2	SLUG (SNAI2) deletions in patients with Waardenburg disease. Human Molecular Genetics, 2002, 11, 3231-3236.	2.9	211
3	Shugoshin-2 is essential for the completion of meiosis but not for mitotic cell division in mice. Genes and Development, 2008, 22, 2400-2413.	5.9	147
4	The cohesin subunit RAD21L functions in meiotic synapsis and exhibits sexual dimorphism in fertility. EMBO Journal, 2011, 30, 3091-3105.	7.8	138
5	Cancer induction by restriction of oncogene expression to the stem cell compartment. EMBO Journal, 2009, 28, 8-20.	7.8	125
6	Deletion of the SLUG (SNAI2) gene results in human piebaldism. American Journal of Medical Genetics, Part A, 2003, 122A, 125-132.	1.2	109
7	SLUG in cancer development. Oncogene, 2005, 24, 3073-3082.	5.9	100
8	Meiotic cohesin complexes are essential for the formation of the axial element in mice. Journal of Cell Biology, 2012, 197, 877-885.	5.2	100
9	The radioresistance biological function of the SCF/kit signaling pathway is mediated by the zinc-finger transcription factor Slug. Oncogene, 2003, 22, 4205-4211.	5.9	83
10	C14ORF39/SIX6OS1 is a constituent of the synaptonemal complex and is essential for mouse fertility. Nature Communications, 2016, 7, 13298.	12.8	80
11	Liposarcoma initiated by FUS/TLS-CHOP: the FUS/TLS domain plays a critical role in the pathogenesis of liposarcoma. Oncogene, 2000, 19, 6015-6022.	5.9	76
12	Identification and molecular characterization of the mammalian Î±-kleisin RAD21L. Cell Cycle, 2011, 10, 1477-1487.	2.6	69
13	STAG3 is a strong candidate gene for male infertility. Human Molecular Genetics, 2014, 23, 3421-3431.	2.9	69
14	Cancer development induced by graded expression of Snail in mice. Human Molecular Genetics, 2005, 14, 3449-3461.	2.9	67
15	Cofactors influence the biological properties of infectious recombinant prions. Acta Neuropathologica, 2018, 135, 179-199.	7.7	56
16	FUS-DDIT3 Prevents the Development of Adipocytic Precursors in Liposarcoma by Repressing PPARÎ³ and C/EBPÎ± and Activating eIF4E. PLoS ONE, 2008, 3, e2569.	2.5	44
17	The PSMA8 subunit of the spermatoproteasome is essential for proper meiotic exit and mouse fertility. PLoS Genetics, 2019, 15, e1008316.	3.5	37
18	IL-4 improves the detection of cytogenetic abnormalities in multiple myeloma and increases the proportion of clonally abnormal metaphases. British Journal of Haematology, 1998, 103, 163-167.	2.5	34

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19	Meiotic chromosome synapsis depends on multivalent SYCE1-SIX6OS1 interactions that are disrupted in cases of human infertility. Science Advances, 2020, 6, .	10.3	31
20	Unraveling the key to the resistance of canids to prion diseases. PLoS Pathogens, 2017, 13, e1006716.	4.7	30
21	The CRISPR/Cas9 system efficiently reverts the tumorigenic ability of BCR/ABL in vitro and in a xenograft model of chronic myeloid leukemia. Oncotarget, 2017, 8, 26027-26040.	1.8	30
22	Expression of the FUS domain restores liposarcoma development in CHOP transgenic mice. Oncogene, 2002, 21, 1679-1684.	5.9	27
23	SLUG (SNAI2) overexpression in embryonic development. Cytogenetic and Genome Research, 2006, 114, 24-29.	1.1	27
24	Dogs are resistant to prion infection, due to the presence of aspartic or glutamic acid at position 163 of their prion protein. FASEB Journal, 2020, 34, 3969-3982.	0.5	27
25	Molecular analysis of ex-vivo CD133+ GBM cells revealed a common invasive and angiogenic profile but different proliferative signatures among high grade gliomas. BMC Cancer, 2010, 10, 454.	2.6	26
26	Transgenic Mouse Bioassay: Evidence That Rabbits Are Susceptible to a Variety of Prion Isolates. PLoS Pathogens, 2015, 11, e1004977.	4.7	24
27	Sustained leukaemic phenotype after inactivation of BCR-ABLp190 in mice. Oncogene, 2007, 26, 1702-1713.	5.9	20
28	Mammalian-specific ectodermal enhancers control the expression of Hoxc genes in developing nails and hair follicles. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30509-30519.	7.1	20
29	Brain Tumour Stem Cells: Implications for Cancer Therapy and Regenerative Medicine. Current Stem Cell Research and Therapy, 2008, 3, 197-207.	1.3	20
30	Splice donor site sgRNAs enhance CRISPR/Cas9-mediated knockout efficiency. PLoS ONE, 2019, 14, e0216674.	2.5	19
31	Ubiquitin-specific protease 26 (USP26) is not essential for mouse gametogenesis and fertility. Chromosoma, 2019, 128, 237-247.	2.2	18
32	Pathogenic SREK1 decrease in Huntingtonâ€™s disease lowers TAF1 mimicking X-linked dystonia parkinsonism. Brain, 2020, 143, 2207-2219.	7.6	17
33	Fat-specific FUS-DDIT3-transgenic mice establish PPARÂ inactivation is required to liposarcoma development. Carcinogenesis, 2007, 28, 2069-2073.	2.8	15
34	An Amino Acid Substitution Found in Animals with Low Susceptibility to Prion Diseases Confers a Protective Dominant-Negative Effect in Prion-Infected Transgenic Mice. Molecular Neurobiology, 2018, 55, 6182-6192.	4.0	15
35	A Single Amino Acid Substitution, Found in Mammals with Low Susceptibility to Prion Diseases, Delays Propagation of Two Prion Strains in Highly Susceptible Transgenic Mouse Models. Molecular Neurobiology, 2019, 56, 6501-6511.	4.0	13
36	Expression and functional analysis of the hydrogen peroxide biosensors HyPer and HyPer2 in C2C12 myoblasts/myotubes and single skeletal muscle fibres. Scientific Reports, 2020, 10, 871.	3.3	13

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37	MEK5 promotes lung adenocarcinoma. European Respiratory Journal, 2019, 53, 1801327.	6.7	10
38	Future Approaches for Treating Chronic Myeloid Leukemia: CRISPR Therapy. Biology, 2021, 10, 118.	2.8	9
39	<i>Cyba</i>-deficient mice display an increase in hematopoietic stem cells and an overproduction of immunoglobulins. Haematologica, 2020, 106, 142-153.	3.5	7
40	A hotspot mutation targeting the R-RAS2 GTPase acts as a potent oncogenic driver in a wide spectrum of tumors. Cell Reports, 2022, 38, 110522.	6.4	7
41	Establishment of a conditional Nomo1 mouse model by CRISPR/Cas9 technology. Molecular Biology Reports, 2020, 47, 1381-1391.	2.3	6
42	Characterization of the Platelet Phenotype Caused by a Germline RUNX1 Variant in a CRISPR/Cas9-Generated Murine Model. Thrombosis and Haemostasis, 2021, 121, 1193-1205.	3.4	5
43	Selective Destruction of Tumor Cells through Specific Inhibition of Products Resulting from Chromosomal Translocations. Current Cancer Drug Targets, 2001, 1, 109-119.	1.6	5
44	CRISPR-ERA for Switching Off (Onco) Genes. , 0, , .		3
45	Granuloma Formation in a Cyba-Deficient Model of Chronic Granulomatous Disease Is Associated with Myeloid Hyperplasia and the Exhaustion of B-Cell Lineage. International Journal of Molecular Sciences, 2021, 22, 8701.	4.1	3
46	CRISPR-Cas9 Technology as a Tool to Target Gene Drivers in Cancer: Proof of Concept and New Opportunities to Treat Chronic Myeloid Leukemia. CRISPR Journal, 2021, 4, 519-535.	2.9	3
47	CRISPR/Cas9-Directed Gene Trap Constitutes a Selection System for Corrected BCR/ABL Leukemic Cells in CML. International Journal of Molecular Sciences, 2022, 23, 6386.	4.1	3
48	A truncating variant of RAD51B associated with primary ovarian insufficiency provides insights into its meiotic and somatic functions. Cell Death and Differentiation, 2022, 29, 2347-2361.	11.2	2
49	Expression of the FUS domain restores liposarcoma development in CHOP transgenic mice. , 0, .		1
50	FRI-422-Genetic and pathophysiological factors leading to deficient acyl-CoA oxidase 2 (ACOX2) activity in hepatocytes, an alteration which causes oxidative and endoplasmic reticulum stress in liver cells. Journal of Hepatology, 2019, 70, e579.	3.7	0
51	Understanding Mesenchymal Cancer: The Liposarcoma-Associated t(12;16) (q13;;p11) Chromosomal Translocation as a Model. Current Genomics, 2002, 3, 237-244.	1.6	0