

Maria Pia Cosma

List of Publications by Year in descending order

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47
papers

4,570
citations

147566

31
h-index

214527

47
g-index

49
all docs

49
docs citations

49
times ranked

5741
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordered Recruitment of Transcription and Chromatin Remodeling Factors to a Cell Cycle- and Developmentally Regulated Promoter. <i>Cell</i> , 1999, 97, 299-311.	13.5	652
2	Chromatin Fibers Are Formed by Heterogeneous Groups of Nucleosomes In Vivo. <i>Cell</i> , 2015, 160, 1145-1158.	13.5	560
3	Impaired retinal function and vitamin A availability in mice lacking retinol-binding protein. <i>EMBO Journal</i> , 1999, 18, 4633-4644.	3.5	433
4	A Yeast Synthetic Network for In Vivo Assessment of Reverse-Engineering and Modeling Approaches. <i>Cell</i> , 2009, 137, 172-181.	13.5	348
5	The Multiple Sulfatase Deficiency Gene Encodes an Essential and Limiting Factor for the Activity of Sulfatases. <i>Cell</i> , 2003, 113, 445-456.	13.5	321
6	Identification of Cohesin Association Sites at Centromeres and along Chromosome Arms. <i>Cell</i> , 1999, 98, 847-858.	13.5	290
7	Ordered Recruitment. <i>Molecular Cell</i> , 2002, 10, 227-236.	4.5	227
8	Periodic Activation of Wnt/ β -Catenin Signaling Enhances Somatic Cell Reprogramming Mediated by Cell Fusion. <i>Cell Stem Cell</i> , 2008, 3, 493-507.	5.2	136
9	Cdk1 Triggers Association of RNA Polymerase to Cell Cycle Promoters Only after Recruitment of the Mediator by SBF. <i>Molecular Cell</i> , 2001, 7, 1213-1220.	4.5	122
10	Correction of Hunter syndrome in the MPSII mouse model by AAV2/8-mediated gene delivery. <i>Human Molecular Genetics</i> , 2006, 15, 1225-1236.	1.4	88
11	Systemic inflammation and neurodegeneration in a mouse model of multiple sulfatase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4506-4511.	3.3	88
12	Super-resolution microscopy reveals how histone tail acetylation affects DNA compaction within nucleosomes in vivo. <i>Nucleic Acids Research</i> , 2019, 47, 8470-8484.	6.5	84
13	Reprogramming Müller glia via in vivo cell fusion regenerates murine photoreceptors. <i>Journal of Clinical Investigation</i> , 2016, 126, 3104-3116.	3.9	77
14	Molecular and functional analysis of SUMF1 mutations in multiple sulfatase deficiency. <i>Human Mutation</i> , 2004, 23, 576-581.	1.1	63
15	Multistep, sequential control of the trafficking and function of the multiple sulfatase deficiency gene product, SUMF1 by PDI, ERGIC-53 and ERp44. <i>Human Molecular Genetics</i> , 2008, 17, 2610-2621.	1.4	62
16	Daughter-specific repression of <i>Saccharomyces cerevisiae</i> HO : Ash1 is the commander. <i>EMBO Reports</i> , 2004, 5, 953-957.	2.0	61
17	Mutations in the Extracellular Domain Cause RET Loss of Function by a Dominant Negative Mechanism. <i>Molecular and Cellular Biology</i> , 1998, 18, 3321-3329.	1.1	54
18	Temporal Perturbation of the Wnt Signaling Pathway in the Control of Cell Reprogramming Is Modulated by TCF1. <i>Stem Cell Reports</i> , 2014, 2, 707-720.	2.3	52

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19	Mutational analysis of the HSNAT gene in Italian patients with mucopolysaccharidosis IIIC (Sanfilippo) Tj ETQq1 1 0,784314 ggBT /Over	1.1	51
20	Cell fusion-mediated somatic cell reprogramming: A mechanism for tissue regeneration. Journal of Cellular Physiology, 2010, 223, 6-13.	2.0	49
21	T-cell factor 3 (Tcf3) deletion increases somatic cell reprogramming by inducing epigenome modifications. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11912-11917.	3.3	49
22	Advanced microscopy methods for visualizing chromatin structure. FEBS Letters, 2015, 589, 3023-3030.	1.3	48
23	Safety of Arylsulfatase A Overexpression for Gene Therapy of Metachromatic Leukodystrophy. Human Gene Therapy, 2007, 18, 821-836.	1.4	47
24	Sulphatase activities are regulated by the interaction of sulphatase-modifying factor 1 with SUMF2. EMBO Reports, 2005, 6, 655-660.	2.0	45
25	Correction of CNS defects in the MPSII mouse model via systemic enzyme replacement therapy. Human Molecular Genetics, 2010, 19, 4871-4885.	1.4	43
26	Wnt/Tcf1 pathway restricts embryonic stem cell cycle through activation of the Ink4/Arf locus. PLoS Genetics, 2017, 13, e1006682.	1.5	43
27	Sulfatase modifying factor 1 trafficking through the cells: from endoplasmic reticulum to the endoplasmic reticulum. EMBO Journal, 2007, 26, 2443-2453.	3.5	42
28	How to Turn a Genetic Circuit into a Synthetic Tunable Oscillator, or a Bistable Switch. PLoS ONE, 2009, 4, e8083.	1.1	42
29	Dedifferentiation, transdifferentiation and cell fusion: <i>in vivo</i> reprogramming strategies for regenerative medicine. FEBS Journal, 2019, 286, 1074-1093.	2.2	39
30	IDS Crossing of the Blood-Brain Barrier Corrects CNS Defects in MPSII Mice. American Journal of Human Genetics, 2009, 85, 296-301.	2.6	38
31	(Po)STAC (Polycistronic SunTag modified CRISPR) enables live-cell and fixed-cell super-resolution imaging of multiple genes. Nucleic Acids Research, 2018, 46, e30-e30.	6.5	36
32	Sulfatase activities towards the regulation of cell metabolism and signaling in mammals. Cellular and Molecular Life Sciences, 2010, 67, 769-780.	2.4	30
33	Functional Rescue of Dopaminergic Neuron Loss in Parkinson's Disease Mice After Transplantation of Hematopoietic Stem and Progenitor Cells. EBioMedicine, 2016, 8, 83-95.	2.7	28
34	Super resolution imaging of chromatin in pluripotency, differentiation, and reprogramming. Current Opinion in Genetics and Development, 2017, 46, 186-193.	1.5	27
35	Endogenous Mobilization of Bone-Marrow Cells Into the Murine Retina Induces Fusion-Mediated Reprogramming of Müller Glia Cells. EBioMedicine, 2018, 30, 38-51.	2.7	25
36	Super resolution microscopy reveals how elongating RNA polymerase II and nascent RNA interact with nucleosome clutches. Nucleic Acids Research, 2022, 50, 175-190.	6.5	24

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37	The Wnt/ β -Catenin Signaling Pathway Tips the Balance Between Apoptosis and Reprogramming of Cell Fusion Hybrids. <i>Stem Cells</i> , 2010, 28, 1940-1949.	1.4	23
38	Sulfatase modifying factor 1-mediated fibroblast growth factor signaling primes hematopoietic multilineage development. <i>Journal of Experimental Medicine</i> , 2010, 207, 1647-1660.	4.2	22
39	Somatic cell reprogramming control: Signaling pathway modulation versus transcription factor activities. <i>Cell Cycle</i> , 2009, 8, 1138-1144.	1.3	17
40	Development and maturation of invariant NKT cells in the presence of lysosomal engulfment. <i>European Journal of Immunology</i> , 2009, 39, 2748-2754.	1.6	14
41	Multiple sulfatase deficiency in a Turkish family resulting from a novel mutation. <i>Brain and Development</i> , 2008, 30, 374-377.	0.6	12
42	Regulation of self-renewal and reprogramming by TCF factors. <i>Cell Cycle</i> , 2012, 11, 39-47.	1.3	11
43	Controlled ploidy reduction of pluripotent 4n cells generates 2n cells during mouse embryo development. <i>Science Advances</i> , 2019, 5, eaax4199.	4.7	11
44	β -Catenin safeguards the ground state of mouse pluripotency by strengthening the robustness of the transcriptional apparatus. <i>Science Advances</i> , 2020, 6, eaba1593.	4.7	10
45	Loss of Heterozygosity at the RET Protooncogene Locus in a Case of Multiple Endocrine Neoplasia Type 2A. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 239-244.	1.8	10
46	Resetting epigenetic signatures to induce somatic cell reprogramming. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1413-1424.	2.4	6
47	In vivo somatic cell reprogramming for tissue regeneration: the emerging role of the local microenvironment. <i>Current Opinion in Cell Biology</i> , 2018, 55, 119-128.	2.6	3