Maria Pia Cosma

List of Publications by Year
in descending order

47	4,570	147566 31	214527 47
papers	citations	h-index	g-index

49	49	49	5741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Î²-Catenin safeguards the ground state of mousepluripotency by strengthening the robustness of the transcriptional apparatus. Science Advances, 2020, 6, eaba1593.	4.7	10
3	Dedifferentiation, transdifferentiation and cell fusion: inÂvivo reprogramming strategies for regenerative medicine. FEBS Journal, 2019, 286, 1074-1093.	2.2	39
4	Super-resolution microscopy reveals how histone tailÂacetylation affects DNA compaction within nucleosomes in vivo. Nucleic Acids Research, 2019, 47, 8470-8484.	6.5	84
5	Controlled ploidy reduction of pluripotent 4n cells generates 2n cells during mouse embryo development. Science Advances, 2019, 5, eaax4199.	4.7	11
6	(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
7	Endogenous Mobilization of Bone-Marrow Cells Into the Murine Retina Induces Fusion-Mediated Reprogramming of MÃ¼ller Glia Cells. EBioMedicine, 2018, 30, 38-51.	2.7	25
8	In vivo somatic cell reprogramming for tissue regeneration: the emerging role of the local microenvironment. Current Opinion in Cell Biology, 2018, 55, 119-128.	2.6	3
9	Super resolution imaging of chromatin in pluripotency, differentiation, and reprogramming. Current Opinion in Genetics and Development, 2017, 46, 186-193.	1.5	27
10	Wnt/Tcf1 pathway restricts embryonic stem cell cycle through activation of the Ink4/Arf locus. PLoS Genetics, 2017, 13, e1006682.	1.5	43
11	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
12	Reprogramming MÃ¼ller glia via in vivo cell fusion regenerates murine photoreceptors. Journal of Clinical Investigation, 2016, 126, 3104-3116.	3.9	77
13	Chromatin Fibers Are Formed by Heterogeneous Groups of Nucleosomes InÂVivo. Cell, 2015, 160, 1145-1158.	13.5	560
14	Advanced microscopy methods for visualizing chromatin structure. FEBS Letters, 2015, 589, 3023-3030.	1.3	48
15	Temporal Perturbation of the Wnt Signaling Pathway in the Control of Cell Reprogramming Is Modulated by TCF1. Stem Cell Reports, 2014, 2, 707-720.	2.3	52
16	Resetting epigenetic signatures to induce somatic cell reprogramming. Cellular and Molecular Life Sciences, 2013, 70, 1413-1424.	2.4	6
17	Regulation of self-renewal and reprogramming by TCF factors. Cell Cycle, 2012, 11, 39-47.	1.3	11
18	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

#	Article	IF	Citations
19	Cellâ€fusionâ€mediated somaticâ€cell reprogramming: A mechanism for tissue regeneration. Journal of Cellular Physiology, 2010, 223, 6-13.	2.0	49
20	Sulfatase activities towards the regulation of cell metabolism and signaling in mammals. Cellular and Molecular Life Sciences, 2010, 67, 769-780.	2.4	30
21	The Wnt/Î²-Catenin Signaling Pathway Tips the Balance Between Apoptosis and Reprograming of Cell Fusion Hybrids. Stem Cells, 2010, 28, 1940-1949.	1.4	23
22	Correction of CNS defects in the MPSII mouse model via systemic enzyme replacement therapy. Human Molecular Genetics, 2010, 19, 4871-4885.	1.4	43
23	Sulfatase modifying factor 1â€“mediated fibroblast growth factor signaling primes hematopoietic multilineage development. Journal of Experimental Medicine, 2010, 207, 1647-1660.	4.2	22
24	How to Turn a Genetic Circuit into a Synthetic Tunable Oscillator, or a Bistable Switch. PLoS ONE, 2009, 4, e8083.	1.1	42
25	Somatic cell reprogramming control: Signaling pathway modulation versus transcription factor activities. Cell Cycle, 2009, 8, 1138-1144.	1.3	17
26	Development and maturation of invariant NKT cells in the presence of lysosomal engulfment. European Journal of Immunology, 2009, 39, 2748-2754.	1.6	14
27	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
28	A Yeast Synthetic Network for In Vivo Assessment of Reverse-Engineering and Modeling Approaches. Cell, 2009, 137, 172-181.	13.5	348
29	Multiple sulfatase deficiency in a Turkish family resulting from a novel mutation. Brain and Development, 2008, 30, 374-377.	0.6	12
30	Periodic Activation of Wnt/Î²-Catenin Signaling Enhances Somatic Cell Reprogramming Mediated by Cell Fusion. Cell Stem Cell, 2008, 3, 493-507.	5.2	136
31	Multistep, sequential control of the trafficking and function of the multiple sulfatase deficiency gene product, SUMF1 by PDI, ERGIC-53 and ERp44. Human Molecular Genetics, 2008, 17, 2610-2621.	1.4	62
32	Systemic inflammation and neurodegeneration in a mouse model of multiple sulfatase deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4506-4511.	3.3	88
33	Safety of Arylsulfatase A Overexpression for Gene Therapy of Metachromatic Leukodystrophy. Human Gene Therapy, 2007, 18, 821-836.	1.4	47
34	Sulfatase modifying factor 1 trafficking through the cells: from endoplasmic reticulum to the endoplasmic reticulum. EMBO Journal, 2007, 26, 2443-2453.	3.5	42
35	Mutational analysis of theHGSNATgene in Italian patients with mucopolysaccharidosis IIIC (Sanfilippo) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	51
36	Correction of Hunter syndrome in the MPSII mouse model by AAV2/8-mediated gene delivery. Human Molecular Genetics, 2006, 15, 1225-1236.	1.4	88

#	Article	IF	Citations
37	Sulphatase activities are regulated by the interaction of sulphataseâ€modifying factor 1 with SUMF2. EMBO Reports, 2005, 6, 655-660.	2.0	45
38	Daughterâ€specific repression of Saccharomyces cerevisiae HO : Ash1 is the commander. EMBO Reports, 2004, 5, 953-957.	2.0	61
39	Molecular and functional analysis ofSUMF1 mutations in multiple sulfatase deficiency. Human Mutation, 2004, 23, 576-581.	1.1	63
40	The Multiple Sulfatase Deficiency Gene Encodes an Essential and Limiting Factor for the Activity of Sulfatases. Cell, 2003, 113, 445-456.	13.5	321
41	Ordered Recruitment. Molecular Cell, 2002, 10, 227-236.	4.5	227
42	Cdk1 Triggers Association of RNA Polymerase to Cell Cycle Promoters Only after Recruitment of the Mediator by SBF. Molecular Cell, 2001, 7, 1213-1220.	4.5	122
43	Loss of Heterozygosity at the RET Protooncogene Locus in a Case of Multiple Endocrine Neoplasia Type 2A. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 239-244.	1.8	10
44	Impaired retinal function and vitamin A availability in mice lacking retinol-binding protein. EMBO Journal, 1999, 18, 4633-4644.	3.5	433
45	Ordered Recruitment of Transcription and Chromatin Remodeling Factors to a Cell Cycleâ€“ and Developmentally Regulated Promoter. Cell, 1999, 97, 299-311.	13.5	652
46	Identification of Cohesin Association Sites at Centromeres and along Chromosome Arms. Cell, 1999, 98, 847-858.	13.5	290
47	Mutations in the Extracellular Domain Cause RET Loss of Function by a Dominant Negative Mechanism. Molecular and Cellular Biology, 1998, 18, 3321-3329.	1.1	54