Francesco Lotti

List of Publications by Year
in descending order

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32	2,357	331670 21	477307 29
papers	citations	h-index	g-index

34	34	34	2912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SMN Deficiency Causes Tissue-Specific Perturbations in the Repertoire of snRNAs and Widespread Defects in Splicing. Cell, 2008, 133, 585-600.	28.9	553
2	An SMN-Dependent U12 Splicing Event Essential for Motor Circuit Function. Cell, 2012, 151, 440-454.	28.9	279
3	SMN Is Required for Sensory-Motor Circuit Function in Drosophila. Cell, 2012, 151, 427-439.	28.9	167
4	SMN control of RNP assembly: From post-transcriptional gene regulation to motor neuron disease. Seminars in Cell and Developmental Biology, 2014, 32, 22-29.	5.0	144
5	In vivo selection of genetically modified erythroblastic progenitors leads to long-term correction of Î²-thalassemia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10547-10552.	7.1	137
6	The Gemin5 Protein of the SMN Complex Identifies snRNAs. Molecular Cell, 2006, 23, 273-279.	9.7	135
7	Protein Kinase A-Mediated Synapsin I Phosphorylation Is a Central Modulator of Ca2+-Dependent Synaptic Activity. Journal of Neuroscience, 2006, 26, 11670-11681.	3.6	135
8	Cellular nucleic acid binding protein binds a conserved region of the 5â€² UTR of Xenopus laevis ribosomal protein mRNAs. Journal of Molecular Biology, 1997, 267, 264-275.	4.2	100
9	A Role for SMN Exon 7 Splicing in the Selective Vulnerability of Motor Neurons in Spinal Muscular Atrophy. Molecular and Cellular Biology, 2012, 32, 126-138.	2.3	98
10	SMN Is Essential for the Biogenesis of U7 Small Nuclear Ribonucleoprotein and 3â€²-End Formation of Histone mRNAs. Cell Reports, 2013, 5, 1187-1195.	6.4	76
11	Involvement of the Xenopus laevis Ro60 autoantigen in the alternative interaction of La and CNBP proteins with the 5â€²UTR of L4 ribosomal protein mRNA â€ 1 â€In previous papers the numbering of Xenopus ribosomal proteins followed the system introduced in our first study (Pierandrei-Amaldi & Beccari,) Tj ETQq1 1 0.784314 rgBT /Overlock rat system for a unified nomenclature (Wool et al., 1990). Thus, the Xenopus r-protein that we previously designated. Journal of Molecular Biology, 1998, 281, 593-608.	4.2	71
12	Transcriptional Targeting of Lentiviral Vectors by Long Terminal Repeat Enhancer Replacement. Journal of Virology, 2002, 76, 3996-4007.	3.4	52
13	The Regulatory Machinery of Neurodegeneration in InÂVitro Models of Amyotrophic Lateral Sclerosis. Cell Reports, 2015, 12, 335-345.	6.4	42
14	Stasimon Contributes to the Loss of Sensory Synapses and Motor Neuron Death in a Mouse Model of Spinal Muscular Atrophy. Cell Reports, 2019, 29, 3885-3901.e5.	6.4	38
15	Deletion ofRipk3Prevents Motor Neuron DeathIn Vitrobut notIn Vivo. ENeuro, 2019, 6, ENEURO.0308-18.2018.	1.9	35
16	SETX (senataxin), the helicase mutated in AOA2 and ALS4, functions in autophagy regulation. Autophagy, 2021, 17, 1889-1906.	9.1	34
17	A Stem Cell Model of the Motor Circuit Uncouples Motor Neuron Death from Hyperexcitability Induced by SMN Deficiency. Cell Reports, 2016, 16, 1416-1430.	6.4	31
18	Stasimon/Tmem41b localizes to mitochondria-associated ER membranes and is essential for mouse embryonic development. Biochemical and Biophysical Research Communications, 2018, 506, 463-470.	2.1	31

#	Article	IF	Citations
19	Paclitaxel-induced peripheral neuropathy is caused by epidermal ROS and mitochondrial damage through conserved MMP-13 activation. Scientific Reports, 2020, 10, 3970.	3.3	31
20	Pharmacokinetics, pharmacodynamics, and efficacy of a small-moleculeSMN2splicing modifier in mouse models of spinal muscular atrophy. Human Molecular Genetics, 2016, 25, 1885-1899.	2.9	28
21	Systematic elucidation of neuron-astrocyte interaction in models of amyotrophic lateral sclerosis using multi-modal integrated bioinformatics workflow. Nature Communications, 2020, 11, 5579.	12.8	28
22	cDNA cloning and developmental expression of cellular nucleic acid-binding protein (CNBP) gene in Xenopus laevis. Gene, 2000, 241, 35-43.	2.2	20
23	New Insights on the Role of N6-Methyladenosine RNA Methylation in the Physiology and Pathology of the Nervous System. Frontiers in Molecular Biosciences, 2020, 7, 555372.	3.5	19
24	Minor snRNA gene delivery improves the loss of proprioceptive synapses on SMA motor neurons. JCI Insight, 2020, 5, .	5.0	19
25	A Cell System for Phenotypic Screening of Modifiers of SMN2 Gene Expression and Function. PLoS ONE, 2013, 8, e71965.	2.5	14
26	Competitive Engraftment of Hematopoietic Stem Cells Genetically Modified with a Truncated Erythropoietin Receptor. Human Gene Therapy, 2005, 16, 594-608.	2.7	13
27	The Choice of a Suitable Lentivirus Vector. , 2003, 229, 17-27.		8
28	Sumoylation regulates the assembly and activity of the SMN complex. Nature Communications, 2021, 12, 5040.	12.8	8
29	Deletion of a Negatively Acting Sequence in a Chimeric GATA-1 Enhancer-Long Terminal Repeat Greatly Increases Retrovirally Mediated Erythroid Expression. Journal of Biological Chemistry, 2004, 279, 10523-10531.	3.4	6
30	Retromer dysfunction in amyotrophic lateral sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	5
31	70. Long Term Correction of beta-Thalassemia by Transplantation of Transduced Hematopoietic Stem Cells. Molecular Therapy, 2006, 13, S30.	8.2	0
32	Stasimon Contributes to the Loss of Sensory Synapses and Motor Neuron Death in a Mouse Model of Spinal Muscular Atrophy. SSRN Electronic Journal, 0, , .	0.4	0