Federico Tessadori

List of Publications by Year
in descending order

42 papers	2,354 citations	257450 24 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	4166 citing authors

#	Article	IF	Citations
1	LHP1, the Arabidopsis homologue of HETEROCHROMATIN PROTEIN1, is required for epigenetic silencing of FLC. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5012-5017.	7.1	270
2	Genetic variation in T-box binding element functionally affects SCN5A/SCN10A enhancer. Journal of Clinical Investigation, 2012, 122, 2519-2530.	8.2	167
3	Single-cell analysis uncovers that metabolic reprogramming by ErbB2 signaling is essential for cardiomyocyte proliferation in the regenerating heart. ELife, 2019, 8, .	6.0	162
4	Identification and Functional Characterization of Cardiac Pacemaker Cells in Zebrafish. PLoS ONE, 2012, 7, e47644.	2.5	154
5	Large-scale dissociation and sequential reassembly of pericentric heterochromatin in dedifferentiatedArabidopsiscells. Journal of Cell Science, 2007, 120, 1200-1208.	2.0	145
6	PHYTOCHROME B and HISTONE DEACETYLASE 6 Control Light-Induced Chromatin Compaction in Arabidopsis thaliana. PLoS Genetics, 2009, 5, e1000638.	3.5	123
7	The Arabidopsis LHP1 protein is a component of euchromatin. Planta, 2005, 222, 910-925.	3.2	104
8	Live cell imaging of repetitive DNA sequences via GFP-tagged polydactyl zinc finger proteins. Nucleic Acids Research, 2007, 35, e107-e107.	14.5	104
9	A Nodal-independent and tissue-intrinsic mechanism controls heart-looping chirality. Nature Communications, 2013, 4, 2754.	12.8	102
10	Light-regulated large-scale reorganization of chromatin during the floral transition in Arabidopsis. Plant Journal, 2007, 50, 848-857.	5.7	99
11	Effective CRISPR/Cas9-based nucleotide editing in zebrafish to model human genetic cardiovascular disorders. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	69
12	Identification of human D lactate dehydrogenase deficiency. Nature Communications, 2019, 10, 1477.	12.8	62
13	Recurrent Mutations in the Basic Domain of TWIST2 Cause Ablepharon Macrostomia and Barber-Say Syndromes. American Journal of Human Genetics, 2015, 97, 99-110.	6.2	61
14	GNB5 Mutations Cause an Autosomal-Recessive Multisystem Syndrome with Sinus Bradycardia and Cognitive Disability. American Journal of Human Genetics, 2016, 99, 704-710.	6.2	58
15	Cytogenetics as a tool to study gene regulation. Trends in Plant Science, 2004, 9, 147-153.	8.8	54
16	Noonan and LEOPARD syndrome Shp2 variants induce heart displacement defects in zebrafish. Development (Cambridge), 2014, 141, 1961-1970.	2.5	47
17	Photoreceptors CRYTOCHROME2 and Phytochrome B Control Chromatin Compaction in Arabidopsis. Plant Physiology, 2010, 154, 1686-1696.	4.8	44
18	Shedding Light on Large-Scale Chromatin Reorganization in Arabidopsis thaliana. Molecular Plant, 2012, 5, 583-590.	8.3	42

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19	Glypican4 promotes cardiac specification and differentiation by attenuating canonical Wnt and Bmp signaling. Development (Cambridge), 2015, 142, 1767-1776.	2.5	42
20	Developmental Alterations in Heart Biomechanics and Skeletal Muscle Function in Desmin Mutants Suggest an Early Pathological Root for Desminopathies. Cell Reports, 2015, 11, 1564-1576.	6.4	42
21	HeterozygousKIDINS220/ARMSnonsense variants cause spastic paraplegia, intellectual disability, nystagmus, and obesity. Human Molecular Genetics, 2016, 25, 2158-2167.	2.9	37
22	Germline mutations affecting the histone H4 core cause a developmental syndrome by altering DNA damage response and cell cycle control. Nature Genetics, 2017, 49, 1642-1646.	21.4	35
23	Variants in members of the cadherinâ€“catenin complex, CDH1 and CTNND1, cause blepharocheilodontic syndrome. European Journal of Human Genetics, 2018, 26, 210-219.	2.8	34
24	ABCC9-related Intellectual disability Myopathy Syndrome is a KATP channelopathy with loss-of-function mutations in ABCC9. Nature Communications, 2019, 10, 4457.	12.8	31
25	GLS hyperactivity causes glutamate excess, infantile cataract and profound developmental delay. Human Molecular Genetics, 2019, 28, 96-104.	2.9	23
26	Asymmetric Hapln1a drives regionalized cardiac ECM expansion and promotes heart morphogenesis in zebrafish development. Cardiovascular Research, 2022, 118, 226-240.	3.8	23
27	Stable S/MAR-based episomal vectors are regulated at the chromatin level. Chromosome Research, 2010, 18, 757-775.	2.2	18
28	Nodal Signaling Range Is Regulated by Proprotein Convertase-Mediated Maturation. Developmental Cell, 2015, 32, 631-639.	7.0	17
29	Pyridox(am)ine 5â€²-phosphate oxidase (PNPO) deficiency in zebrafish results in fatal seizures and metabolic aberrations. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165607.	3.8	17
30	Immunocytological Analysis of Chromatin in Isolated Nuclei. Methods in Molecular Biology, 2010, 655, 413-432.	0.9	16
31	Actin dynamics and the Bmp pathway drive apical extrusion of proepicardial cells. Development (Cambridge), 2019, 146, .	2.5	16
32	Identification and Characterization of a Transcribed Distal Enhancer Involved in Cardiac Kcnh2 Regulation. Cell Reports, 2019, 28, 2704-2714.e5.	6.4	15
33	Zebrafish prrx1a mutants have normal hearts. Nature, 2020, 585, E14-E16.	27.8	15
34	Common Genetic Variants Contribute to Risk of Transposition of the Great Arteries. Circulation Research, 2022, 130, 166-180.	4.5	15
35	Genetic Dissection of Morphometric Traits Reveals That Phytochrome B Affects Nucleus Size and Heterochromatin Organization inArabidopsis thaliana. G3: Genes, Genomes, Genetics, 2017, 7, 2519-2531.	1.8	14
36	Recurrent de novo missense variants across multiple histone H4 genes underlie a neurodevelopmental syndrome. American Journal of Human Genetics, 2022, 109, 750-758.	6.2	13

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37	Large-scale chromatin de-compaction induced by low light is not accompanied by nucleosomal displacement. Plant Signaling and Behavior, 2010, 5, 1677-1678.	2.4	11
38	A de novo variant in the human HIST1H4J gene causes a syndrome analogous to the HIST1H4C-associated neurodevelopmental disorder. European Journal of Human Genetics, 2020, 28, 674-678.	2.8	11
39	Twisting of the zebrafish heart tube during cardiac looping is a tbx5-dependent and tissue-intrinsic process. ELife, 2021, 10, .	6.0	10
40	Notch and Bmp signaling pathways act coordinately during the formation of the proepicardium. Developmental Dynamics, 2020, 249, 1455-1469.	1.8	8
41	Environment-Induced Chromatin Reorganisation and Plant Acclimation. Signaling and Communication in Plants, 2013, , 21-40.	0.7	4
42	The zebrafish cohesin protein Sgo1 is required for cardiac function and eye development. Developmental Dynamics, 2022, , .	1.8	3