

Giuseppe Testa

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

6,826
citations

94269

37
h-index

66788

78
g-index

115
all docs

115
docs citations

115
times ranked

10930
citing authors

#	ARTICLE	IF	CITATIONS
1	The Histone H3 Lysine-27 Demethylase Jmjd3 Links Inflammation to Inhibition of Polycomb-Mediated Gene Silencing. <i>Cell</i> , 2007, 130, 1083-1094.	13.5	843
2	Rapid modification of bacterial artificial chromosomes by ET- recombination. <i>Nucleic Acids Research</i> , 1999, 27, 1555-1557.	6.5	475
3	Jmjd3 contributes to the control of gene expression in LPS-activated macrophages. <i>EMBO Journal</i> , 2009, 28, 3341-3352.	3.5	383
4	DNA cloning by homologous recombination in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2000, 18, 1314-1317.	9.4	376
5	Multi-omic measurements of heterogeneity in HeLa cells across laboratories. <i>Nature Biotechnology</i> , 2019, 37, 314-322.	9.4	254
6	Germinal center dysregulation by histone methyltransferase EZH2 promotes lymphomagenesis. <i>Journal of Clinical Investigation</i> , 2013, 123, 5009-5022.	3.9	215
7	The Histone H3 Lysine 27-Specific Demethylase Jmjd3 Is Required for Neural Commitment. <i>PLoS ONE</i> , 2008, 3, e3034.	1.1	188
8	A reliable lacZ expression reporter cassette for multipurpose, knockout-first alleles. <i>Genesis</i> , 2004, 38, 151-158.	0.8	186
9	Mast cell-specific Cre/loxP-mediated recombination in vivo. <i>Transgenic Research</i> , 2008, 17, 307-315.	1.3	175
10	TRIC: an automated alignment strategy for reproducible protein quantification in targeted proteomics. <i>Nature Methods</i> , 2016, 13, 777-783.	9.0	173
11	Scrutinizing the epigenetics revolution. <i>BioSocieties</i> , 2014, 9, 431-456.	0.8	168
12	Statement on advancing the assessment of chemical mixtures and their risks for human health and the environment. <i>Environment International</i> , 2020, 134, 105267.	4.8	165
13	Genomic instability in induced stem cells. <i>Cell Death and Differentiation</i> , 2011, 18, 745-753.	5.0	138
14	Point mutation of bacterial artificial chromosomes by ET recombination. <i>EMBO Reports</i> , 2000, 1, 239-243.	2.0	131
15	From cohorts to molecules: Adverse impacts of endocrine disrupting mixtures. <i>Science</i> , 2022, 375, eabe8244.	6.0	129
16	Engineering the mouse genome with bacterial artificial chromosomes to create multipurpose alleles. <i>Nature Biotechnology</i> , 2003, 21, 443-447.	9.4	126
17	YY1 Haploinsufficiency Causes an Intellectual Disability Syndrome Featuring Transcriptional and Chromatin Dysfunction. <i>American Journal of Human Genetics</i> , 2017, 100, 907-925.	2.6	125
18	Autism spectrum disorder at the crossroad between genes and environment: contributions, convergences, and interactions in ASD developmental pathophysiology. <i>Molecular Autism</i> , 2020, 11, 69.	2.6	125

#	ARTICLE	IF	CITATIONS
19	Activation of Neuronal Gene Expression by the JMJD3 Demethylase Is Required for Postnatal and Adult Brain Neurogenesis. <i>Cell Reports</i> , 2014, 8, 1290-1299.	2.9	116
20	Systematic proteome and proteostasis profiling in human Trisomy 21 fibroblast cells. <i>Nature Communications</i> , 2017, 8, 1212.	5.8	112
21	7q11.23 dosage-dependent dysregulation in human pluripotent stem cells affects transcriptional programs in disease-relevant lineages. <i>Nature Genetics</i> , 2015, 47, 132-141.	9.4	108
22	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , 2020, 587, 377-386.	13.7	108
23	The H3K27 Demethylase JMJD3 Is Required for Maintenance of the Embryonic Respiratory Neuronal Network, Neonatal Breathing, and Survival. <i>Cell Reports</i> , 2012, 2, 1244-1258.	2.9	94
24	Taming Human Genetic Variability: Transcriptomic Meta-Analysis Guides the Experimental Design and Interpretation of iPSC-Based Disease Modeling. <i>Stem Cell Reports</i> , 2017, 8, 1784-1796.	2.3	86
25	The Histone Methyltransferase Wbp7 Controls Macrophage Function through GPI Glycolipid Anchor Synthesis. <i>Immunity</i> , 2012, 36, 572-585.	6.6	79
26	DNA Damage in Mammalian Neural Stem Cells Leads to Astrocytic Differentiation Mediated by BMP2 Signaling through JAK-STAT. <i>Stem Cell Reports</i> , 2013, 1, 123-138.	2.3	79
27	Polycomb proteins control proliferation and transformation independently of cell cycle checkpoints by regulating DNA replication. <i>Nature Communications</i> , 2014, 5, 3649.	5.8	79
28	The Methyltransferase Set7/9 (Setd7) Is Dispensable for the p53-Mediated DNA Damage Response In Vivo. <i>Molecular Cell</i> , 2011, 43, 681-688.	4.5	77
29	Ethical Standards for Human-to-Animal Chimera Experiments in Stem Cell Research. <i>Cell Stem Cell</i> , 2007, 1, 159-163.	5.2	76
30	The chromatin basis of neurodevelopmental disorders: Rethinking dysfunction along the molecular and temporal axes. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 84, 306-327.	2.5	73
31	Dosage analysis of the 7q11.23 Williams region identifies <i>BAZ1B</i> as a major human gene patterning the modern human face and underlying self-domestication. <i>Science Advances</i> , 2019, 5, eaaw7908.	4.7	67
32	Cell Reprogramming Requires Silencing of a Core Subset of Polycomb Targets. <i>PLoS Genetics</i> , 2013, 9, e1003292.	1.5	59
33	DNA Methylation Signature for EZH2 Functionally Classifies Sequence Variants in Three PRC2 Complex Genes. <i>American Journal of Human Genetics</i> , 2020, 106, 596-610.	2.6	59
34	RNAontheBENCH: computational and empirical resources for benchmarking RNAseq quantification and differential expression methods. <i>Nucleic Acids Research</i> , 2016, 44, 5054-5067.	6.5	48
35	Human Cortical Organoids Expose a Differential Function of GSK3 on Cortical Neurogenesis. <i>Stem Cell Reports</i> , 2019, 13, 847-861.	2.3	48
36	Multiplex parenting: IVG and the generations to come. <i>Journal of Medical Ethics</i> , 2014, 40, 752-758.	1.0	43

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37	Epigenomic landscape of human colorectal cancer unveils an aberrant core of pan-cancer enhancers orchestrated by YAP/TAZ. <i>Nature Communications</i> , 2021, 12, 2340.	5.8	43
38	ETHICS AND SYNTHETIC GAMETES. <i>Bioethics</i> , 2005, 19, 146-166.	0.7	42
39	Reconstitution of a functional human thymus by postnatal stromal progenitor cells and natural whole-organ scaffolds. <i>Nature Communications</i> , 2020, 11, 6372.	5.8	42
40	Imbalanced autophagy causes synaptic deficits in a human model for neurodevelopmental disorders. <i>Autophagy</i> , 2022, 18, 423-442.	4.3	42
41	GENETICS: Ethical Aspects of ES Cell-Derived Gametes. <i>Science</i> , 2004, 305, 1719-1719.	6.0	41
42	Scrutinizing the EU General Data Protection Regulation. <i>Science</i> , 2018, 360, 496-498.	6.0	40
43	CHD8 haploinsufficiency links autism to transient alterations in excitatory and inhibitory trajectories. <i>Cell Reports</i> , 2022, 39, 110615.	2.9	40
44	Consuming genomes: scientific and social innovation in direct-to-consumer genetic testing. <i>New Genetics and Society</i> , 2012, 31, 159-181.	0.7	29
45	HOXB7 overexpression in lung cancer is a hallmark of acquired stem-like phenotype. <i>Oncogene</i> , 2018, 37, 3575-3588.	2.6	29
46	KMT2B Is Selectively Required for Neuronal Transdifferentiation, and Its Loss Exposes Dystonia Candidate Genes. <i>Cell Reports</i> , 2018, 25, 988-1001.	2.9	28
47	The Identity of Living Beings, Epigenetics, and the Modesty of Philosophy. <i>Erkenntnis</i> , 2012, 76, 279-298.	0.6	26
48	The time of timing: How Polycomb proteins regulate neurogenesis. <i>BioEssays</i> , 2011, 33, 519-528.	1.2	25
49	BAC Engineering for the Generation of ES Cell-Targeting Constructs and Mouse Transgenes. , 2004, 256, 123-140.		24
50	JMJD3 acts in tandem with KLF4 to facilitate reprogramming to pluripotency. <i>Nature Communications</i> , 2020, 11, 5061.	5.8	24
51	The ENDpoiNTs Project: Novel Testing Strategies for Endocrine Disruptors Linked to Developmental Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3978.	1.8	24
52	Bacterial Artificial Chromosome Transgenesis Through Pronuclear Injection of Fertilized Mouse Oocytes. , 2008, 415, 83-100.		24
53	ET Recombination: DNA Engineering Using Homologous Recombination in <i>E. coli</i> . , 2004, 256, 107-122.		23
54	Polycomb dysregulation in gliomagenesis targets a Zfp423-dependent differentiation network. <i>Nature Communications</i> , 2016, 7, 10753.	5.8	23

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55	Exploiting epigenetic dependencies in ovarian cancer therapy. <i>International Journal of Cancer</i> , 2021, 149, 1732-1743.	2.3	22
56	Naked Genes. , 2011, , .		22
57	Long non-coding RNA TINCR suppresses metastatic melanoma dissemination by preventing ATF4 translation. <i>EMBO Reports</i> , 2021, 22, e50852.	2.0	21
58	The guanine nucleotide exchange factor Arhgef7 ^{fl2} Pix promotes axon formation upstream of TC10. <i>Scientific Reports</i> , 2018, 8, 8811.	1.6	20
59	High-throughput screening identifies histone deacetylase inhibitors that modulate GTF2I expression in 7q11.23 microduplication autism spectrum disorder patient-derived cortical neurons. <i>Molecular Autism</i> , 2020, 11, 88.	2.6	20
60	Single cell-derived spheroids capture the self-renewing subpopulations of metastatic ovarian cancer. <i>Cell Death and Differentiation</i> , 2022, 29, 614-626.	5.0	20
61	Stem Cells through Stem Beliefs: The Co-production of Biotechnological Pluralism. <i>Science As Culture</i> , 2008, 17, 435-448.	2.4	16
62	The European politics of animal experimentation: From Victorian Britain to "Stop Vivisection". <i>Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences</i> , 2017, 64, 75-87.	0.8	16
63	Copy number variants (CNVs): a powerful tool for iPSC-based modelling of ASD. <i>Molecular Autism</i> , 2020, 11, 42.	2.6	14
64	The future therapeutic potential of histone demethylases: A critical analysis. <i>Current Opinion in Drug Discovery & Development</i> , 2009, 12, 607-15.	1.9	14
65	T cell receptor γ^1 an alternatively spliced product of the T cell receptor γ gene. <i>European Journal of Immunology</i> , 1995, 25, 1405-1409.	1.6	13
66	What to Do with the Grail Now that We Have It? iPSCs, Potentiality, and Public Policy. <i>Cell Stem Cell</i> , 2009, 5, 358-359.	5.2	13
67	Brief Report: Functional MRI of a Patient with 7q11.23 Duplication Syndrome and Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2014, 44, 2608-2613.	1.7	13
68	Big Tech platforms in health research: Re-purposing big data governance in light of the General Data Protection Regulation's research exemption. <i>Big Data and Society</i> , 2021, 8, 205395172110187.	2.6	13
69	A cell-of-origin epigenetic tracer reveals clinically distinct subtypes of high-grade serous ovarian cancer. <i>Genome Medicine</i> , 2020, 12, 94.	3.6	11
70	Novel in vitro Experimental Approaches to Study Myelination and Remyelination in the Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 748849.	1.8	11
71	Ethics Report on Interspecies Somatic Cell Nuclear Transfer Research. <i>Cell Stem Cell</i> , 2009, 5, 27-30.	5.2	10
72	The epigenomic self in personalized medicine: between responsibility and empowerment. <i>Sociological Review Mongraph</i> , 2016, 64, 203-220.	0.9	10

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73	“Having a Structuring Effect on Europe” The Innovative Medicines Initiative and the Construction of the European Health Bioeconomy. , 2017, , 73-101.		10
74	The sociability spectrum: evidence from reciprocal genetic copy number variations. Molecular Autism, 2020, 11, 50.	2.6	10
75	Creating a translocation. EMBO Reports, 2000, 1, 120-121.	2.0	9
76	The Epigenomic Self in Personalized Medicine: Between Responsibility and Empowerment. Sociological Review, 2016, 64, 203-220.	0.9	9
77	Seizure activity and brain damage in a model of focal nonconvulsive <i>status epilepticus</i> . Neuropathology and Applied Neurobiology, 2021, 47, 679-693.	1.8	9
78	Position Statement on the Provision and Procurement of Human Eggs for Stem Cell Research. Cell Stem Cell, 2013, 12, 285-291.	5.2	8
79	From enhanceropathies to the epigenetic manifold underlying human cognition. Human Molecular Genetics, 2019, 28, R226-R234.	1.4	8
80	EZH2-Mediated H3K27me3 Targets Transcriptional Circuits of Neuronal Differentiation. Frontiers in Neuroscience, 2022, 16, .	1.4	8
81	The Ethics of Deriving Gametes from ES Cells. Science, 2005, 307, 515c-517c.	6.0	7
82	Integrated molecular profiling of patient-derived ovarian cancer models identifies clinically relevant signatures and tumor vulnerabilities. International Journal of Cancer, 2022, 151, 240-254.	2.3	7
83	Microinjection of BAC DNA into the Pronuclei of Fertilized Mouse Oocytes. , 2004, 256, 141-158.		5
84	Molecular investigation, using chromosomal microarray and whole exome sequencing, of six patients affected by Williams Beuren syndrome and Autism Spectrum Disorder. Orphanet Journal of Rare Diseases, 2019, 14, 121.	1.2	5
85	Thinking “ethical” when designing an international, cross-disciplinary biomedical research consortium. EMBO Journal, 2020, 39, e105725.	3.5	5
86	More than Just a Nucleus: Cloning and the Alignment of Scientific and Political Rationalities. , 2011, , 85-104.		5
87	Reprogramming Potentiality: The Co-Production of Stem Cell Policy and Democracy. American Journal of Bioethics, 2013, 13, 30-32.	0.5	4
88	A small 7q11.23 microduplication involving <i>GTF2I</i> in a family with intellectual disability. Clinical Genetics, 2020, 97, 940-942.	1.0	4
89	Acting on uncertainty: real-life mixtures of endocrine disrupting chemicals. BioSocieties, 2021, 16, 225-248.	0.8	4
90	COVID-19 lessons from the dish: Dissecting CNS manifestations through brain organoids. EMBO Journal, 2021, 40, e107213.	3.5	4

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91	At the Intersection of Epigenetics and Regeneration: An Analysis of the Experimental Outlook of Organoid Technology. , 2019, , 385-402.		3
92	iPSC- and Organoid-Based Biomedicine at the Intersection of Epigenetics and Regeneration: Charting the Normative Contours of Emerging Biomedical Platforms. , 2019, , 493-509.		3
93	Three-dimensional models of human brain development. , 2020, , 257-278.		2
94	Thymic stroma and TFIH: towards new targeted therapies. Trends in Molecular Medicine, 2022, 28, 67-78.	3.5	2
95	Scrutinizing the Epigenetics Revolution. , 2018, , 191-225.		1
96	KMT2B and Neuronal Transdifferentiation: Bridging Basic Chromatin Mechanisms to Disease Actionability. Neuroscience Insights, 2020, 15, 263310552092806.	0.9	1
97	Germinal center dysregulation by histone methyltransferase EZH2 promotes lymphomagenesis. Journal of Clinical Investigation, 2014, 124, 1869-1869.	3.9	1
98	What to Do with the Grail Now that We Have It? iPSCs, Potentiality, and Public Policy. Cell Stem Cell, 2009, 5, 567.	5.2	0
99	KMT2B Is Selectively Required for Direct Neuronal Reprogramming and Its Loss Exposes Dystonia-Relevant Targets. SSRN Electronic Journal, 0, , .	0.4	0
100	The developmental origins of high grade serous ovarian cancer.. Journal of Clinical Oncology, 2019, 37, e17063-e17063.	0.8	0
101	Big Tech Platforms in Health Research: Re-purposing Big Data Governance in Light of the GDPR's Research Exemption. SSRN Electronic Journal, 0, , .	0.4	0