

Ernesto Guccione

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

7,287
citations

81743

39
h-index

60497

81
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89
all docs

89
docs citations

89
times ranked

11968
citing authors

#	ARTICLE	IF	CITATIONS
1	The Histone Deacetylase SIRT6 Is a Tumor Suppressor that Controls Cancer Metabolism. <i>Cell</i> , 2012, 151, 1185-1199.	13.5	561
2	Selective transcriptional regulation by Myc in cellular growth control and lymphomagenesis. <i>Nature</i> , 2014, 511, 488-492.	13.7	411
3	Methylation of histone H3R2 by PRMT6 and H3K4 by an MLL complex are mutually exclusive. <i>Nature</i> , 2007, 449, 933-937.	13.7	402
4	The regulation, functions and clinical relevance of arginine methylation. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 642-657.	16.1	364
5	Myc-binding-site recognition in the human genome is determined by chromatin context. <i>Nature Cell Biology</i> , 2006, 8, 764-770.	4.6	333
6	MYC regulates the core pre-mRNA splicing machinery as an essential step in lymphomagenesis. <i>Nature</i> , 2015, 523, 96-100.	13.7	317
7	Chromatin and Transcription Transitions of Mammalian Adult Germline Stem Cells and Spermatogenesis. <i>Cell Stem Cell</i> , 2014, 15, 239-253.	5.2	280
8	Symmetric dimethylation of H3R2 is a newly identified histone mark that supports euchromatin maintenance. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 136-144.	3.6	272
9	Regulation of constitutive and alternative splicing by PRMT5 reveals a role for <i>Mdm4</i> pre-mRNA in sensing defects in the spliceosomal machinery. <i>Genes and Development</i> , 2013, 27, 1903-1916.	2.7	213
10	Epigenetic Silencing of CDR1as Drives IGF2BP3-Mediated Melanoma Invasion and Metastasis. <i>Cancer Cell</i> , 2020, 37, 55-70.e15.	7.7	200
11	Oncogenic human papillomavirus E6 proteins target the MAGI-2 and MAGI-3 proteins for degradation. <i>Oncogene</i> , 2002, 21, 5088-5096.	2.6	188
12	Therapeutic Targeting of RNA Splicing Catalysis through Inhibition of Protein Arginine Methylation. <i>Cancer Cell</i> , 2019, 36, 194-209.e9.	7.7	184
13	Nucleotide sequence, transcription map, and mutation analysis of the 13q14 chromosomal region deleted in B-cell chronic lymphocytic leukemia. <i>Blood</i> , 2001, 97, 2098-2104.	0.6	181
14	Trained immunity in newborn infants of HBV-infected mothers. <i>Nature Communications</i> , 2015, 6, 6588.	5.8	149
15	Discovery of a first-in-class EZH2 selective degrader. <i>Nature Chemical Biology</i> , 2020, 16, 214-222.	3.9	148
16	PRMT5 Is a Critical Regulator of Breast Cancer Stem Cell Function via Histone Methylation and FOXP1 Expression. <i>Cell Reports</i> , 2017, 21, 3498-3513.	2.9	138
17	Antisense oligonucleotide-mediated MDM4 exon 6 skipping impairs tumor growth. <i>Journal of Clinical Investigation</i> , 2015, 126, 68-84.	3.9	138
18	Telomerase regulates MYC-driven oncogenesis independent of its reverse transcriptase activity. <i>Journal of Clinical Investigation</i> , 2015, 125, 2109-2122.	3.9	134

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19	LLY-283, a Potent and Selective Inhibitor of Arginine Methyltransferase 5, PRMT5, with Antitumor Activity. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 612-617.	1.3	127
20	The Ankrd2 Protein, a Link Between the Sarcomere and the Nucleus in Skeletal Muscle. <i>Journal of Molecular Biology</i> , 2004, 339, 313-325.	2.0	125
21	Analysis of Myc-Induced Histone Modifications on Target Chromatin. <i>PLoS ONE</i> , 2008, 3, e3650.	1.1	120
22	Proteomics profiling of arginine methylation defines PRMT5 substrate specificity. <i>Science Signaling</i> , 2019, 12, .	1.6	114
23	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020, 183, 786-801.e19.	13.5	101
24	Epigenome Microarray Platform for Proteome-Wide Dissection of Chromatin-Signaling Networks. <i>PLoS ONE</i> , 2009, 4, e6789.	1.1	91
25	p53-Independent regulation of p21Waf1/Cip1 expression and senescence by PRMT6. <i>Nucleic Acids Research</i> , 2012, 40, 9534-9542.	6.5	86
26	Differential effects of the second SARS-CoV-2 mRNA vaccine dose on T _H 1 cell immunity in naive and COVID-19 recovered individuals. <i>Cell Reports</i> , 2021, 36, 109570.	2.9	86
27	TOP1 inhibition therapy protects against SARS-CoV-2-induced lethal inflammation. <i>Cell</i> , 2021, 184, 2618-2632.e17.	13.5	80
28	The role of PRDMs in cancer: one family, two sides. <i>Current Opinion in Genetics and Development</i> , 2016, 36, 83-91.	1.5	77
29	PRMT5-mediated regulation of developmental myelination. <i>Nature Communications</i> , 2018, 9, 2840.	5.8	73
30	PRMT5 modulates the metabolic response to fasting signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8870-8875.	3.3	70
31	Targeting MYC in cancer therapy: RNA processing offers new opportunities. <i>BioEssays</i> , 2016, 38, 266-275.	1.2	64
32	Chromatin dependencies in cancer and inflammation. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 245-261.	16.1	64
33	Contrasting expression patterns of coding and noncoding parts of the human genome upon oxidative stress. <i>Scientific Reports</i> , 2015, 5, 9737.	1.6	62
34	On WD40 proteins: Propelling our knowledge of transcriptional control?. <i>Epigenetics</i> , 2012, 7, 815-822.	1.3	61
35	Transcription and imprinting dynamics in developing postnatal male germline stem cells. <i>Genes and Development</i> , 2015, 29, 2312-2324.	2.7	61
36	Discovery of First-in-Class Protein Arginine Methyltransferase 5 (PRMT5) Degradable. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9977-9989.	2.9	58

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37	Arginine/lysine methyl/methyl switches: biochemical role of histone arginine methylation in transcriptional regulation. <i>Epigenomics</i> , 2010, 2, 119-137.	1.0	53
38	Histone arginine methylation in cocaine action in the nucleus accumbens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9623-9628.	3.3	52
39	METTL6 is a tRNA methyltransferase that regulates pluripotency and tumor cell growth. <i>Science Advances</i> , 2020, 6, eaaz4551.	4.7	51
40	Influenza virus infection causes global RNAPII termination defects. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 885-893.	3.6	48
41	Emi2 Is Essential for Mouse Spermatogenesis. <i>Cell Reports</i> , 2017, 20, 697-708.	2.9	45
42	Novel microenvironment-based classification of intrahepatic cholangiocarcinoma with therapeutic implications. <i>Gut</i> , 2023, 72, 736-748.	6.1	42
43	MBNL1 alternative splicing isoforms play opposing roles in cancer. <i>Life Science Alliance</i> , 2018, 1, e201800157.	1.3	41
44	PRDM15 safeguards naive pluripotency by transcriptionally regulating WNT and MAPK/ERK signaling. <i>Nature Genetics</i> , 2017, 49, 1354-1363.	9.4	39
45	Posttranslational Regulation of the Exon Skipping Machinery Controls Aberrant Splicing in Leukemia. <i>Cancer Discovery</i> , 2020, 10, 1388-1409.	7.7	37
46	The core and conserved role of MAL is homeostatic regulation of actin levels. <i>Genes and Development</i> , 2014, 28, 1048-1053.	2.7	34
47	Identification of Quinolinols as Activators of TEAD-Dependent Transcription. <i>ACS Chemical Biology</i> , 2019, 14, 2909-2921.	1.6	32
48	PRMT1-dependent regulation of RNA metabolism and DNA damage response sustains pancreatic ductal adenocarcinoma. <i>Nature Communications</i> , 2021, 12, 4626.	5.8	31
49	HPV E6 proteins interact with specific PML isoforms and allow distinctions to be made between different POD structures. <i>Oncogene</i> , 2004, 23, 4662-4672.	2.6	30
50	Characterization of the histone methyltransferase PRDM9 using biochemical, biophysical and chemical biology techniques. <i>Biochemical Journal</i> , 2014, 461, 323-334.	1.7	30
51	Epigenetic Regulation of the PTEN/AKT/RAC1 Axis by G9a Is Critical for Tumor Growth in Alveolar Rhabdomyosarcoma. <i>Cancer Research</i> , 2019, 79, 2232-2243.	0.4	30
52	HPV-18 E6*1 modulates HPV-18 full-length E6 functions in a cell cycle dependent manner. <i>International Journal of Cancer</i> , 2004, 110, 928-933.	2.3	29
53	Rapid, scalable assessment of SARS-CoV-2 cellular immunity by whole-blood PCR. <i>Nature Biotechnology</i> , 2022, 40, 1680-1689.	9.4	29
54	Multiplexed Analysis of Protein-Ligand Interactions by Fluorescence Anisotropy in a Microfluidic Platform. <i>Analytical Chemistry</i> , 2014, 86, 9901-9908.	3.2	28

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55	HNRNPM controls circRNA biogenesis and splicing fidelity to sustain cancer cell fitness. <i>ELife</i> , 2021, 10, .	2.8	27
56	Modeling Cerebrovascular Pathophysiology in Amyloid- β^2 Metabolism using Neural-Crest-Derived Smooth Muscle Cells. <i>Cell Reports</i> , 2014, 9, 391-401.	2.9	25
57	Cleavage of MAGI-1, a tight junction PDZ protein, by caspases is an important step for cell-cell detachment in apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 343-354.	2.2	24
58	Loss of maternal <i>Trim28</i> causes male-predominant early embryonic lethality. <i>Genes and Development</i> , 2017, 31, 12-17.	2.7	24
59	Discovery of a chemical probe for PRDM9. <i>Nature Communications</i> , 2019, 10, 5759.	5.8	24
60	The duality of PRDM proteins: epigenetic and structural perspectives. <i>FEBS Journal</i> , 2022, 289, 1256-1275.	2.2	24
61	miR-Sens ^a a retroviral dual-luciferase reporter to detect microRNA activity in primary cells. <i>Rna</i> , 2012, 18, 1091-1100.	1.6	23
62	Targeted inactivation and identification of targets of the Gli2a transcription factor in the zebrafish. <i>Biology Open</i> , 2013, 2, 1203-1213.	0.6	22
63	The KRAB-Zinc finger protein ZFP708 mediates epigenetic repression at RMER19B retrotransposons. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	22
64	PRDM15 is a key regulator of metabolism critical to sustain B-cell lymphomagenesis. <i>Nature Communications</i> , 2020, 11, 3520.	5.8	20
65	Chromatin association and regulation of rDNA transcription by the Ras-family protein RasL11a. <i>EMBO Journal</i> , 2010, 29, 1215-1224.	3.5	19
66	The Where and the How of PRMT5. <i>Current Molecular Biology Reports</i> , 2015, 1, 19-28.	0.8	19
67	Integrative RNA-omics Discovers <i>GNAS</i> Alternative Splicing as a Phenotypic Driver of Splicing Factor ^a Mutant Neoplasms. <i>Cancer Discovery</i> , 2022, 12, 836-855.	7.7	19
68	Pan-cancer pervasive upregulation of 3 ^{â€²} UTR splicing drives tumourigenesis. <i>Nature Cell Biology</i> , 2022, 24, 928-939.	4.6	18
69	Phenotype-Based Screens with Conformation-Specific Inhibitors Reveal p38 Gamma and Delta as Targets for HCC Polypharmacology. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 1506-1519.	1.9	16
70	The metabolic sensor PASK is a histone 3 kinase that also regulates H3K4 methylation by associating with H3K4 MLL2 methyltransferase complex. <i>Nucleic Acids Research</i> , 2019, 47, 10086-10103.	6.5	15
71	Mutations in PRDM15 Are a Novel Cause of Galloway-Mowat Syndrome. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 580-596.	3.0	15
72	Global translation during early development depends on the essential transcription factor PRDM10. <i>Nature Communications</i> , 2020, 11, 3603.	5.8	13

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73	PRDM15 loss of function links NOTCH and WNT/PCP signaling to patterning defects in holoprosencephaly. <i>Science Advances</i> , 2020, 6, eaax9852.	4.7	13
74	Discovery and characterisation of the automethylation properties of PRDM9. <i>Biochemical Journal</i> , 2017, 474, 971-982.	1.7	11
75	CDK2 regulates the NRF1/Ehmt1 axis during meiotic prophase I. <i>Journal of Cell Biology</i> , 2019, 218, 2896-2918.	2.3	10
76	The portrait of liver cancer is shaped by mitochondrial genetics. <i>Cell Reports</i> , 2022, 38, 110254.	2.9	10
77	Cancer synthetic vulnerabilities to protein arginine methyltransferase inhibitors. <i>Current Opinion in Pharmacology</i> , 2021, 59, 33-42.	1.7	8
78	circASXL1-1 regulates BAP1 deubiquitinase activity in leukemia. <i>Haematologica</i> , 2020, 105, e343-e348.	1.7	7
79	Hairless promotes PPAR δ expression and is required for white adipogenesis. <i>EMBO Reports</i> , 2012, 13, 1012-1020.	2.0	6
80	Development of Potent Cellular and Humoral Immune Responses in Long-Term Hemodialysis Patients After 1273-mRNA SARS-CoV-2 Vaccination. <i>Frontiers in Immunology</i> , 2022, 13, 845882.	2.2	6
81	Splice-Switching Antisense Oligonucleotides as a Targeted Intrinsic Engineering Tool for Generating Armored Redirected T Cells. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 145-154.	2.0	3
82	Welcome to the New Journal Epigenomes. <i>Epigenomes</i> , 2017, 1, 1.	0.8	2