

# 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  
g-index

89  
all docs

89  
docs citations

89  
times ranked

11968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel microenvironment-based classification of intrahepatic cholangiocarcinoma with therapeutic implications. <i>Gut</i> , 2023, 72, 736-748.	6.1	42
2	The duality of PRDM proteins: epigenetic and structural perspectives. <i>FEBS Journal</i> , 2022, 289, 1256-1275.	2.2	24
3	Integrative RNA-omics Discovers <i>GNAS</i> Alternative Splicing as a Phenotypic Driver of Splicing Factor-Mutant Neoplasms. <i>Cancer Discovery</i> , 2022, 12, 836-855.	7.7	19
4	The portrait of liver cancer is shaped by mitochondrial genetics. <i>Cell Reports</i> , 2022, 38, 110254.	2.9	10
5	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
6	Pan-cancer pervasive upregulation of 3' UTR splicing drives tumourigenesis. <i>Nature Cell Biology</i> , 2022, 24, 928-939.	4.6	18
7	Rapid, scalable assessment of SARS-CoV-2 cellular immunity by whole-blood PCR. <i>Nature Biotechnology</i> , 2022, 40, 1680-1689.	9.4	29
8	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
9	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
10	TOP1 inhibition therapy protects against SARS-CoV-2-induced lethal inflammation. <i>Cell</i> , 2021, 184, 2618-2632.e17.	13.5	80
11	HNRNPM controls circRNA biogenesis and splicing fidelity to sustain cancer cell fitness. <i>ELife</i> , 2021, 10, .	2.8	27
12	PRMT1-dependent regulation of RNA metabolism and DNA damage response sustains pancreatic ductal adenocarcinoma. <i>Nature Communications</i> , 2021, 12, 4626.	5.8	31
13	Cancer synthetic vulnerabilities to protein arginine methyltransferase inhibitors. <i>Current Opinion in Pharmacology</i> , 2021, 59, 33-42.	1.7	8
14	Differential effects of the second SARS-CoV-2 mRNA vaccine dose on T cell immunity in naive and COVID-19 recovered individuals. <i>Cell Reports</i> , 2021, 36, 109570.	2.9	86
15	Discovery of a first-in-class EZH2 selective degrader. <i>Nature Chemical Biology</i> , 2020, 16, 214-222.	3.9	148
16	PRDM15 is a key regulator of metabolism critical to sustain B-cell lymphomagenesis. <i>Nature Communications</i> , 2020, 11, 3520.	5.8	20
17	Global translation during early development depends on the essential transcription factor PRDM10. <i>Nature Communications</i> , 2020, 11, 3603.	5.8	13
18	Discovery of First-in-Class Protein Arginine Methyltransferase 5 (PRMT5) Degradere. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9977-9989.	2.9	58

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19	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020, 183, 786-801.e19.	13.5	101
20	METTL6 is a tRNA m <sup>3</sup> C methyltransferase that regulates pluripotency and tumor cell growth. <i>Science Advances</i> , 2020, 6, eaaz4551.	4.7	51
21	circASXL1-1 regulates BAP1 deubiquitinase activity in leukemia. <i>Haematologica</i> , 2020, 105, e343-e348.	1.7	7
22	Epigenetic Silencing of CDR1as Drives IGF2BP3-Mediated Melanoma Invasion and Metastasis. <i>Cancer Cell</i> , 2020, 37, 55-70.e15.	7.7	200
23	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
24	Posttranslational Regulation of the Exon Skipping Machinery Controls Aberrant Splicing in Leukemia. <i>Cancer Discovery</i> , 2020, 10, 1388-1409.	7.7	37
25	Therapeutic Targeting of RNA Splicing Catalysis through Inhibition of Protein Arginine Methylation. <i>Cancer Cell</i> , 2019, 36, 194-209.e9.	7.7	184
26	The regulation, functions and clinical relevance of arginine methylation. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 642-657.	16.1	364
27	CDK2 regulates the NRF1/Ehmt1 axis during meiotic prophase I. <i>Journal of Cell Biology</i> , 2019, 218, 2896-2918.	2.3	10
28	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
29	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
30	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
31	The KRAB-Zinc finger protein ZFP708 mediates epigenetic repression at RMER19B retrotransposons. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	22
32	Proteomics profiling of arginine methylation defines PRMT5 substrate specificity. <i>Science Signaling</i> , 2019, 12, .	1.6	114
33	Identification of Quinolinols as Activators of TEAD-Dependent Transcription. <i>ACS Chemical Biology</i> , 2019, 14, 2909-2921.	1.6	32
34	Discovery of a chemical probe for PRDM9. <i>Nature Communications</i> , 2019, 10, 5759.	5.8	24
35	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
36	Influenza virus infection causes global RNAPII termination defects. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 885-893.	3.6	48

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37	PRMT5-mediated regulation of developmental myelination. <i>Nature Communications</i> , 2018, 9, 2840.	5.8	73
38	Chromatin dependencies in cancer and inflammation. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 245-261.	16.1	64
39	MBNL1 alternative splicing isoforms play opposing roles in cancer. <i>Life Science Alliance</i> , 2018, 1, e201800157.	1.3	41
40	Loss of maternal <i>Trim28</i> causes male-predominant early embryonic lethality. <i>Genes and Development</i> , 2017, 31, 12-17.	2.7	24
41	Discovery and characterisation of the automethylation properties of PRDM9. <i>Biochemical Journal</i> , 2017, 474, 971-982.	1.7	11
42	Emi2 Is Essential for Mouse Spermatogenesis. <i>Cell Reports</i> , 2017, 20, 697-708.	2.9	45
43	PRDM15 safeguards naive pluripotency by transcriptionally regulating WNT and MAPK/ERK signaling. <i>Nature Genetics</i> , 2017, 49, 1354-1363.	9.4	39
44	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
45	Welcome to the New Journal Epigenomes. <i>Epigenomes</i> , 2017, 1, 1.	0.8	2
46	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
47	Targeting MYC in cancer therapy: RNA processing offers new opportunities. <i>BioEssays</i> , 2016, 38, 266-275.	1.2	64
48	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
49	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
50	The Where and the How of PRMT5. <i>Current Molecular Biology Reports</i> , 2015, 1, 19-28.	0.8	19
51	Trained immunity in newborn infants of HBV-infected mothers. <i>Nature Communications</i> , 2015, 6, 6588.	5.8	149
52	MYC regulates the core pre-mRNA splicing machinery as an essential step in lymphomagenesis. <i>Nature</i> , 2015, 523, 96-100.	13.7	317
53	Transcription and imprinting dynamics in developing postnatal male germline stem cells. <i>Genes and Development</i> , 2015, 29, 2312-2324.	2.7	61
54	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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55	Antisense oligonucleotide-mediated MDM4 exon 6 skipping impairs tumor growth. <i>Journal of Clinical Investigation</i> , 2015, 126, 68-84.	3.9	138
56	Characterization of the histone methyltransferase PRDM9 using biochemical, biophysical and chemical biology techniques. <i>Biochemical Journal</i> , 2014, 461, 323-334.	1.7	30
57	Modeling Cerebrovascular Pathophysiology in Amyloid- $\beta^2$ Metabolism using Neural-Crest-Derived Smooth Muscle Cells. <i>Cell Reports</i> , 2014, 9, 391-401.	2.9	25
58	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
59	Chromatin and Transcription Transitions of Mammalian Adult Germline Stem Cells and Spermatogenesis. <i>Cell Stem Cell</i> , 2014, 15, 239-253.	5.2	280
60	Multiplexed Analysis of Protein-Ligand Interactions by Fluorescence Anisotropy in a Microfluidic Platform. <i>Analytical Chemistry</i> , 2014, 86, 9901-9908.	3.2	28
61	Selective transcriptional regulation by Myc in cellular growth control and lymphomagenesis. <i>Nature</i> , 2014, 511, 488-492.	13.7	411
62	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
63	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
64	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
65	miR-Sens <sup>a</sup> a retroviral dual-luciferase reporter to detect microRNA activity in primary cells. <i>Rna</i> , 2012, 18, 1091-1100.	1.6	23
66	On WD40 proteins: Propelling our knowledge of transcriptional control?. <i>Epigenetics</i> , 2012, 7, 815-822.	1.3	61
67	The Histone Deacetylase SIRT6 Is a Tumor Suppressor that Controls Cancer Metabolism. <i>Cell</i> , 2012, 151, 1185-1199.	13.5	561
68	p53-Independent regulation of p21Waf1/Cip1 expression and senescence by PRMT6. <i>Nucleic Acids Research</i> , 2012, 40, 9534-9542.	6.5	86
69	Hairless promotes PPAR $\beta$ expression and is required for white adipogenesis. <i>EMBO Reports</i> , 2012, 13, 1012-1020.	2.0	6
70	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
71	Chromatin association and regulation of rDNA transcription by the Ras-family protein RasL11a. <i>EMBO Journal</i> , 2010, 29, 1215-1224.	3.5	19
72	Arginine/lysine-methyl/methyl switches: biochemical role of histone arginine methylation in transcriptional regulation. <i>Epigenomics</i> , 2010, 2, 119-137.	1.0	53

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73	Epigenome Microarray Platform for Proteome-Wide Dissection of Chromatin-Signaling Networks. PLoS ONE, 2009, 4, e6789.	1.1	91
74	Analysis of Myc-Induced Histone Modifications on Target Chromatin. PLoS ONE, 2008, 3, e3650.	1.1	120
75	Methylation of histone H3R2 by PRMT6 and H3K4 by an MLL complex are mutually exclusive. Nature, 2007, 449, 933-937.	13.7	402
76	Cleavage of MAGI-1, a tight junction PDZ protein, by caspases is an important step for cell-cell detachment in apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 343-354.	2.2	24
77	Myc-binding-site recognition in the human genome is determined by chromatin context. Nature Cell Biology, 2006, 8, 764-770.	4.6	333
78	HPV E6 proteins interact with specific PML isoforms and allow distinctions to be made between different POD structures. Oncogene, 2004, 23, 4662-4672.	2.6	30
79	HPV-18 E6*1 modulates HPV-18 full-length E6 functions in a cell cycle dependent manner. International Journal of Cancer, 2004, 110, 928-933.	2.3	29
80	The Ankrd2 Protein, a Link Between the Sarcomere and the Nucleus in Skeletal Muscle. Journal of Molecular Biology, 2004, 339, 313-325.	2.0	125
81	Oncogenic human papillomavirus E6 proteins target the MAGI-2 and MAGI-3 proteins for degradation. Oncogene, 2002, 21, 5088-5096.	2.6	188
82	Nucleotide sequence, transcription map, and mutation analysis of the 13q14 chromosomal region deleted in B-cell chronic lymphocytic leukemia. Blood, 2001, 97, 2098-2104.	0.6	181