

Joel M Gottesfeld

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4618660/joel-m-gottesfeld-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101 papers	6,656 citations	45 h-index	80 g-index
105 ext. papers	7,147 ext. citations	9.1 avg, IF	5.39 L-index

#	Paper	IF	Citations
101	Dynamic changes in the copy number of pluripotency and cell proliferation genes in human ESCs and iPSCs during reprogramming and time in culture. <i>Cell Stem Cell</i> , 2011 , 8, 106-18	18	700
100	Regulation of gene expression by small molecules. <i>Nature</i> , 1997 , 387, 202-5	50.4	443
99	Histone deacetylase inhibitors reverse gene silencing in Friedreich's ataxia. <i>Nature Chemical Biology</i> , 2006 , 2, 551-8	11.7	360
98	The HDAC inhibitor 4b ameliorates the disease phenotype and transcriptional abnormalities in Huntington's disease transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15564-9	11.5	240
97	Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. <i>Nature Chemical Biology</i> , 2010 , 6, 25-33	11.7	204
96	Assembly of transcriptionally active 5S RNA gene chromatin in vitro. <i>Cell</i> , 1982 , 28, 781-91	56.2	193
95	HDAC inhibitors correct frataxin deficiency in a Friedreich ataxia mouse model. <i>PLoS ONE</i> , 2008 , 3, e1958	3.7	174
94	Solution structure of the first three zinc fingers of TFIIIA bound to the cognate DNA sequence: determinants of affinity and sequence specificity. <i>Journal of Molecular Biology</i> , 1997 , 273, 183-206	6.5	171
93	Friedreich's ataxia induced pluripotent stem cells model intergenerational GAA/TTC triplet repeat instability. <i>Cell Stem Cell</i> , 2010 , 7, 631-7	18	167
92	Pimelic diphenylamide 106 is a slow, tight-binding inhibitor of class I histone deacetylases. <i>Journal of Biological Chemistry</i> , 2008 , 283, 35402-9	5.4	160
91	Identifier sequences are transcribed specifically in brain. <i>Nature</i> , 1984 , 308, 237-41	50.4	150
90	Histone deacetylase (HDAC) inhibitors targeting HDAC3 and HDAC1 ameliorate polyglutamine-elicited phenotypes in model systems of Huntington's disease. <i>Neurobiology of Disease</i> , 2012 , 46, 351-61	7.5	139
89	Crystal structures of nucleosome core particles in complex with minor groove DNA-binding ligands. <i>Journal of Molecular Biology</i> , 2003 , 326, 371-80	6.5	135
88	DNA sequence-specific polyamides alleviate transcription inhibition associated with long GAA.TTC repeats in Friedreich's ataxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11497-502	11.5	114
87	Two new pimelic diphenylamide HDAC inhibitors induce sustained frataxin upregulation in cells from Friedreich's ataxia patients and in a mouse model. <i>PLoS ONE</i> , 2010 , 5, e8825	3.7	111
86	Chemical probes identify a role for histone deacetylase 3 in Friedreich's ataxia gene silencing. <i>Chemistry and Biology</i> , 2009 , 16, 980-9		102
85	Domain packing and dynamics in the DNA complex of the N-terminal zinc fingers of TFIIIA. <i>Nature Structural Biology</i> , 1997 , 4, 605-8		102

84	Epigenetic therapy for Friedreich ataxia. <i>Annals of Neurology</i> , 2014 , 76, 489-508	9.4	101
83	Sequence-specific recognition of DNA in the nucleosome by pyrrole-imidazole polyamides. <i>Journal of Molecular Biology</i> , 2001 , 309, 615-29	6.5	100
82	Specific interaction of the first three zinc fingers of TFIIIA with the internal control region of the Xenopus 5 S RNA gene. <i>Journal of Molecular Biology</i> , 1992 , 223, 857-71	6.5	100
81	Prolonged treatment with pimelic o-aminobenzamide HDAC inhibitors ameliorates the disease phenotype of a Friedreich ataxia mouse model. <i>Neurobiology of Disease</i> , 2011 , 42, 496-505	7.5	96
80	Cyclin L is an RS domain protein involved in pre-mRNA splicing. <i>Journal of Biological Chemistry</i> , 2002 , 277, 25465-73	5.4	87
79	Structure of transcriptionally-active chromatin subunits. <i>Nucleic Acids Research</i> , 1977 , 4, 3155-73	20.1	87
78	Blocking transcription through a nucleosome with synthetic DNA ligands. <i>Journal of Molecular Biology</i> , 2002 , 321, 249-63	6.5	85
77	Role of mismatch repair enzymes in GAA/TTC triplet-repeat expansion in Friedreich ataxia induced pluripotent stem cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 29861-72	5.4	81
76	RNA toxicity and missplicing in the common eye disease fuchs endothelial corneal dystrophy. <i>Journal of Biological Chemistry</i> , 2015 , 290, 5979-90	5.4	80
75	Molecular recognition of the nucleosomal "supergroove". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6864-9	11.5	80
74	Repression of TFIIH transcriptional activity and TFIIH-associated cdk7 kinase activity at mitosis. <i>Molecular and Cellular Biology</i> , 1998 , 18, 1467-76	4.8	78
73	Arresting cancer proliferation by small-molecule gene regulation. <i>Chemistry and Biology</i> , 2004 , 11, 1583-94		75
72	Length-dependent CTG/CAG triplet-repeat expansion in myotonic dystrophy patient-derived induced pluripotent stem cells. <i>Human Molecular Genetics</i> , 2013 , 22, 5276-87	5.6	71
71	Energetics and affinity of the histone octamer for defined DNA sequences. <i>Biochemistry</i> , 2001 , 40, 10927-33	5.3	70
70	Repression of RNA polymerase II and III transcription during M phase of the cell cycle. <i>Experimental Cell Research</i> , 1996 , 229, 282-8	4.2	70
69	Transcription factor IIIA induced bending of the Xenopus somatic 5S gene promoter. <i>Nature</i> , 1989 , 340, 487-8	50.4	64
68	Alkylation of duplex DNA in nucleosome core particles by duocarmycin SA and yatakemycin. <i>Nature Chemical Biology</i> , 2006 , 2, 79-82	11.7	61
67	Relative contributions of the zinc fingers of transcription factor IIIA to the energetics of DNA binding. <i>Journal of Molecular Biology</i> , 1994 , 244, 23-35	6.5	61

66	Sequence composition of the template-active fraction of rat liver chromatin. <i>Biochemistry</i> , 1976 , 15, 2473-83	6.1	61
65	Induced fit and "lock and key" recognition of 5S RNA by zinc fingers of transcription factor IIIA. <i>Journal of Molecular Biology</i> , 2006 , 357, 275-91	6.5	60
64	Inhibition of Ets-1 DNA binding and ternary complex formation between Ets-1, NF-kappaB, and DNA by a designed DNA-binding ligand. <i>Journal of Biological Chemistry</i> , 1999 , 274, 12765-73	5.4	59
63	Small molecules affecting transcription in Friedreich ataxia 2007 , 116, 236-48		58
62	Accessibility of nuclear chromatin by DNA binding polyamides. <i>Chemistry and Biology</i> , 2003 , 10, 859-67		56
61	The Effects of Pharmacological Inhibition of Histone Deacetylase 3 (HDAC3) in Huntington's Disease Mice. <i>PLoS ONE</i> , 2016 , 11, e0152498	3.7	55
60	Regulation of gene expression with pyrrole-imidazole polyamides. <i>Journal of Biotechnology</i> , 2004 , 112, 195-220	3.7	54
59	Anti-repression of RNA polymerase II transcription by pyrrole-imidazole polyamides. <i>Biochemistry</i> , 1999 , 38, 10801-7	3.2	53
58	A gene expression phenotype in lymphocytes from Friedreich ataxia patients. <i>Annals of Neurology</i> , 2011 , 70, 790-804	9.4	49
57	Nucleosomes in solution exist as a mixture of twist-defect states. <i>Journal of Molecular Biology</i> , 2005 , 345, 103-14	6.5	49
56	Interaction of the RNA binding fingers of Xenopus transcription factor IIIA with specific regions of 5 S ribosomal RNA. <i>Journal of Molecular Biology</i> , 1995 , 248, 44-57	6.5	44
55	Increasing frataxin gene expression with histone deacetylase inhibitors as a therapeutic approach for Friedreich's ataxia. <i>Journal of Neurochemistry</i> , 2013 , 126 Suppl 1, 147-54	6	42
54	Novobiocin inhibits RNA polymerase III transcription in vitro by a mechanism distinct from DNA topoisomerase II. <i>Nucleic Acids Research</i> , 1986 , 14, 2075-88	20.1	40
53	Inhibition of DNA binding by human estrogen-related receptor 2 and estrogen receptor alpha with minor groove binding polyamides. <i>Biochemistry</i> , 2005 , 44, 4196-203	3.2	39
52	Promoter scanning for transcription inhibition with DNA-binding polyamides. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1723-33	4.8	36
51	Repeat-Associated Non-ATG (RAN) Translation in Fuchs' Endothelial Corneal Dystrophy 2018 , 59, 1888-1896		32
50	Small molecules targeting histone H4 as potential therapeutics for chronic myelogenous leukemia. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 769-78	6.1	32
49	Importance of minor groove binding zinc fingers within the transcription factor IIIA-DNA complex. <i>Journal of Molecular Biology</i> , 1997 , 274, 439-45	6.5	31

48	Association of an RNA polymerase III transcription factor with a ribonucleoprotein complex recognized by autoimmune sera. <i>Nucleic Acids Research</i> , 1984 , 12, 3185-200	20.1	30
47	Rationale for the development of 2-aminobenzamide histone deacetylase inhibitors as therapeutics for Friedreich ataxia. <i>Journal of Child Neurology</i> , 2012 , 27, 1164-73	2.5	29
46	Characterization of the DNA binding properties of the bHLH domain of Deadpan to single and tandem sites. <i>Biochemistry</i> , 1999 , 38, 5138-46	3.2	28
45	Chromosomal footprinting of transcriptionally active and inactive oocyte-type 5S RNA genes of <i>Xenopus laevis</i> . <i>Nucleic Acids Research</i> , 1990 , 18, 6031-7	20.1	27
44	Competition between <i>Xenopus</i> satellite I sequences and Pol III genes for stable transcription complex formation. <i>Nucleic Acids Research</i> , 1984 , 12, 7753-69	20.1	27
43	A two-hit mechanism for pre-mitotic arrest of cancer cell proliferation by a polyamide-alkylator conjugate. <i>Cell Cycle</i> , 2006 , 5, 1537-48	4.7	24
42	Evaluation of histone deacetylase inhibitors as therapeutics for neurodegenerative diseases. <i>Methods in Molecular Biology</i> , 2011 , 793, 495-508	1.4	24
41	Translating HDAC inhibitors in Friedreich's ataxia. <i>Expert Opinion on Orphan Drugs</i> , 2016 , 4, 961-970	1.1	23
40	Quantitative proteomic analysis identifies targets and pathways of a 2-aminobenzamide HDAC inhibitor in Friedreich's ataxia patient iPSC-derived neural stem cells. <i>Journal of Proteome Research</i> , 2014 , 13, 4558-66	5.6	22
39	Unanticipated differences between alpha- and gamma-diaminobutyric acid-linked hairpin polyamide-alkylator conjugates. <i>Nucleic Acids Research</i> , 2007 , 35, 307-16	20.1	22
38	Rapid identification of key amino-acid-DNA contacts through combinatorial peptide synthesis. <i>Chemistry and Biology</i> , 2000 , 7, 245-51		22
37	Cyclic tetrapeptide HDAC inhibitors as potential therapeutics for spinal muscular atrophy: Screening with iPSC-derived neuronal cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 3289-3293	2.9	21
36	Asymmetric DNA binding by a homodimeric bHLH protein. <i>Biochemistry</i> , 2000 , 39, 9092-8	3.2	21
35	Minor groove DNA-protein contacts upstream of a tRNA gene detected with a synthetic DNA binding ligand. <i>Journal of Molecular Biology</i> , 1999 , 286, 973-81	6.5	21
34	Development of histone deacetylase inhibitors as therapeutics for neurological disease. <i>Future Neurology</i> , 2009 , 4, 775-784	1.5	20
33	Zinc is required for folding and binding of a single zinc finger to DNA. <i>FEBS Letters</i> , 1991 , 279, 289-94	3.8	20
32	Control of 5S RNA transcription in <i>Xenopus</i> somatic cell chromatin: activation with an oocyte extract. <i>Nucleic Acids Research</i> , 1983 , 11, 57-75	20.1	19
31	Molecular Mechanisms and Therapeutics for the GAA/TC Expansion Disease Friedreich Ataxia. <i>Neurotherapeutics</i> , 2019 , 16, 1032-1049	6.4	18

30	Chromatin structure determines accessibility of a hairpin polyamide-chlorambucil conjugate at histone H4 genes in pancreatic cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 4068-71	2.9	18
29	Identification of a minimal domain of 5 S ribosomal RNA sufficient for high affinity interactions with the RNA-specific zinc fingers of transcription factor IIIA. <i>Journal of Molecular Biology</i> , 1999 , 291, 549-60	6.5	18
28	TFIIIA induced DNA bending: effect of low ionic strength electrophoresis buffer conditions. <i>Nucleic Acids Research</i> , 1991 , 19, 511-6	20.1	18
27	Isolation of template active and inactive regions of chromatin. <i>Methods in Enzymology</i> , 1975 , 40, 97-102	1.7	18
26	Mechanism of Action of 2-Aminobenzamide HDAC Inhibitors in Reversing Gene Silencing in Friedreich's Ataxia. <i>Frontiers in Neurology</i> , 2015 , 6, 44	4.1	17
25	Design and synthesis of novel hybrid benzamide-peptide histone deacetylase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3928-31	2.9	17
24	Repression of vertebrate RNA polymerase III transcription by DNA binding proteins located upstream from the transcription start site. <i>Journal of Molecular Biology</i> , 1995 , 250, 315-26	6.5	17
23	Transcriptional profiling of isogenic Friedreich ataxia neurons and effect of an HDAC inhibitor on disease signatures. <i>Journal of Biological Chemistry</i> , 2019 , 294, 1846-1859	5.4	15
22	Protein and DNA requirements for the transcription factor IIIA-induced distortion of the 5 S rRNA gene promoter. <i>Journal of Molecular Biology</i> , 1996 , 262, 600-14	6.5	12
21	Methylated and unmethylated epialleles support variegated epigenetic silencing in Friedreich ataxia. <i>Human Molecular Genetics</i> , 2021 , 29, 3818-3829	5.6	11
20	Improved Histone Deacetylase Inhibitors as Therapeutics for the Neurodegenerative Disease Friedreich's Ataxia: A New Synthetic Route. <i>Pharmaceuticals</i> , 2011 , 4, 1578-1590	5.2	10
19	Role of DNA sequence in the binding specificity of synthetic basic-helix-loop-helix domains. <i>ChemBioChem</i> , 2005 , 6, 104-13	3.8	10
18	Potent activity against K562 cells by polyamide-seco-CBI conjugates targeting histone H4 genes. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 168-74	3.4	9
17	Assessment of major and minor groove DNA interactions by the zinc fingers of Xenopus transcription factor IIIA. <i>Nucleic Acids Research</i> , 1996 , 24, 2567-74	20.1	9
16	Growth arrest of BCR-ABL positive cells with a sequence-specific polyamide-chlorambucil conjugate. <i>PLoS ONE</i> , 2008 , 3, e3593	3.7	9
15	Eukaryotic transcription complexes. <i>Molecular and Cellular Biochemistry</i> , 1984 , 62, 97-108	4.2	9
14	Introduction to the Thematic Minireview Series: Chromatin and transcription. <i>Journal of Biological Chemistry</i> , 2018 , 293, 13775-13777	5.4	8
13	Minireview series on sirtuins: from biochemistry to health and disease. <i>Journal of Biological Chemistry</i> , 2012 , 287, 42417-8	5.4	8

12	Introduction to thematic minireview series: Development of human therapeutics based on induced pluripotent stem cell (iPSC) technology. <i>Journal of Biological Chemistry</i> , 2014 , 289, 4553-4	5-4	7
11	Selecting and isolating colonies of human induced pluripotent stem cells reprogrammed from adult fibroblasts. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	6
10	Xenopus transcription factor IIIA forms a complex of covalent character with 5S DNA. <i>Nucleic Acids Research</i> , 1988 , 16, 11267-84	20.1	6
9	Chemical biology meets biological chemistry minireview series. <i>Journal of Biological Chemistry</i> , 2010 , 285, 11031-2	5-4	5
8	Pathways of nucleoprotein assembly on 5S RNA genes in a Xenopus oocyte S-150 extract. <i>Nucleic Acids Research</i> , 1989 , 17, 4117-30	20.1	5
7	Milestones in transcription and chromatin published in the. <i>Journal of Biological Chemistry</i> , 2019 , 294, 1652-1660	5-4	4
6	Introduction to the thematic minireview series on epigenetics. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18345-6	5-4	3
5	Analysis of RNA polymerase III transcription in vitro using chromatin and cloned gene templates. <i>Methods in Enzymology</i> , 1989 , 170, 347-59	1.7	3
4	Regulation of Gene Expression with Pyrrole-Imidazole Polyamides 2005 , 121-152		1
3	Chromatin Fractionation and the Properties of Transcriptionally Active Regions of Chromatin 1979 , 541-560		1
2	RNA as a transcriptional activator. <i>Chemistry and Biology</i> , 2003 , 10, 584-5		0
1	The Polyamide-Chlorambucil Conjugate 1R-Chl Effectively Inhibits Proliferation and Induces Apoptosis in CML Progenitor Cells. <i>Blood</i> , 2008 , 112, 5031-5031	2.2	