J M Gottesfeld

List of Publications by Year
in descending order

38 papers	3,526 citations	218592 26 h-index	315616 38 g-index
38 all docs	38 docs citations	38 times ranked	2101 citing authors

#	Article	IF	Citations
1	Regulation of gene expression by small molecules. Nature, 1997, 387, 202-205.	13.7	488
2	Mitotic repression of the transcriptional machinery. Trends in Biochemical Sciences, 1997, 22, 197-202.	3.7	357
3	Inhibition of RNA polymerase II transcription in human cells by synthetic DNA-binding ligands. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12890-12895.	3.3	226
4	Solution structure of the first three zinc fingers of TFIIIA bound to the cognate DNA sequence: determinants of affinity and sequence specificity. Journal of Molecular Biology, 1997, 273, 183-206.	2.0	182
5	Partial Purification of the Template-Active Fraction of Chromatin: A Preliminary Report. Proceedings of the National Academy of Sciences of the United States of America, 1974, 71, 2193-2197.	3.3	174
6	Identifier sequences are transcribed specifically in brain. Nature, 1984, 308, 237-241.	13.7	155
7	Molecular basis for specific recognition of both RNA and DNA by a zinc finger protein. Science, 1993, 260, 530-533.	6.0	141
8	Mitotic repression of RNA polymerase III transcription in vitro mediated by phosphorylation of a TFIIIB component. Science, 1994, 263, 81-84.	6.0	136
9	Control of neuronal gene expression. Science, 1984, 225, 1308-1315.	6.0	129
10	Domain packing and dynamics in the DNA complex of the N-terminal zinc fingers of TFIIIA. Nature Structural Biology, 1997, 4, 605-608.	9.7	116
11	Structure of transcriptionally active chromatin.. Proceedings of the National Academy of Sciences of the United States of America, 1975, 72, 4404-4408.	3.3	114
12	Sequence-specific Recognition of DNA in the Nucleosome by Pyrrole-Imidazole Polyamides. Journal of Molecular Biology, 2001, 309, 615-629.	2.0	107
13	Specific interaction of the first three zinc fingers of TFIIIA with the internal control region of the Xenopus 5 S RNA gene. Journal of Molecular Biology, 1992, 223, 857-871.	2.0	106
14	Structure of transcriptionally-active chromatin subunits. Nucleic Acids Research, 1977, 4, 3155-3174.	6.5	95
15	Definition of the binding sites of individual zinc fingers in the transcription factor IIIA-5S RNA gene complex.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 10822-10826.	3.3	91
16	From The Cover: Molecular recognition of the nucleosomal "supergroove". Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6864-6869.	3.3	90
17	Repression of TFIIH Transcriptional Activity and TFIIH-Associated cdk7 Kinase Activity at Mitosis. Molecular and Cellular Biology, 1998, 18, 1467-1476.	1.1	87
18	Repression of RNA Polymerase II and III Transcription during M Phase of the Cell Cycle. Experimental Cell Research, 1996, 229, 282-288.	1.2	78

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19	Energetics and Affinity of the Histone Octamer for Defined DNA Sequences. Biochemistry, 2001, 40, 10927-10933.	1.2	74
20	Chemical Approaches to Control Gene Expression. Gene Expression, 2001, 9, 77-92.	0.5	72
21	Relative Contributions of the Zinc Fingers of Transcription Factor IIIA to the Energetics of DNA Binding. Journal of Molecular Biology, 1994, 244, 23-25.	2.0	66
22	Inhibition of Ets-1 DNA Binding and Ternary Complex Formation between Ets-1, NF-Î°B, and DNA by a Designed DNA-binding Ligand. Journal of Biological Chemistry, 1999, 274, 12765-12773.	1.6	64
23	Sequence composition of the template-active fraction of rat liver chromatin. Biochemistry, 1976, 15, 2472-2483.	1.2	62
24	Anti-repression of RNA Polymerase II Transcription by Pyrroleâ˘'Imidazole Polyamidesâ€. Biochemistry, 1999, 38, 10801-10807.	1.2	57
25	Interaction of the RNA binding Fingers ofXenopusTranscription Factor IIIA with Specific Regions of 5 S Ribosomal RNA. Journal of Molecular Biology, 1995, 248, 44-57.	2.0	47
26	Importance of minor groove binding zinc fingers within the transcription factor IIIA-DNA complex. Journal of Molecular Biology, 1997, 274, 439-445.	2.0	33
27	Chapter 28 Methods for Fractionation of Chromatin into Transcriptionally Active and Inactive Segments. Methods in Cell Biology, 1977, 16, 421-436.	0.5	28
28	Transcriptional Activation of RNA Polymerase III-Dependent Genes by the Human T-Cell Leukemia Virus Type 1 Tax Protein. Molecular and Cellular Biology, 1996, 16, 1777-1785.	1.1	22
29	Minor groove DNA-protein contacts upstream of a tRNA gene detected with a synthetic DNA binding ligand 1 1Edited by D. E. Draper. Journal of Molecular Biology, 1999, 286, 973-981.	2.0	21
30	Asymmetric DNA Binding by A Homodimeric bHLH Proteinâ€. Biochemistry, 2000, 39, 9092-9098.	1.2	21
31	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 1 1Edited by D. E. Draper. Journal of Molecular Biology, 1999, 291, 549-560.	2.0	19
32	Repression of Vertebrate RNA Polymerase III Transcription by DNA Binding Proteins Located Upstream from the Transcription Start Site. Journal of Molecular Biology, 1995, 250, 315-326.	2.0	18
33	TATA-Box DNA Binding Activity and Subunit Composition of RNA Polymerase III Transcription Factor IIIB from <i>Xenopus laevis</i>. Molecular and Cellular Biology, 1996, 16, 4639-4647.	1.1	12
34	Assessment of major and minor groove DNA interactions by the zinc fingers of Xenopus transcription factor IIIA. Nucleic Acids Research, 1996, 24, 2567-2574.	6.5	12
35	Role of maturation-promoting factor (p34cdc2-cyclin B) in differential expression of the Xenopus oocyte and somatic-type 5S RNA genes.. Molecular and Cellular Biology, 1994, 14, 4704-4711.	1.1	11
36	Additional Intragenic Promoter Elements of the <i>Xenopus</i> 5S RNA Genes Upstream from the TFIIIA-Binding Siteâ€. Molecular and Cellular Biology, 1990, 10, 5166-5176.	1.1	9

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37	Role of Maturation-Promoting Factor (p34<i>^{cdc2}</i>-Cyclin B) in Differential Expression of the <i>Xenopus</i> Oocyte and Somatic-Type 5S RNA Genes. Molecular and Cellular Biology, 1994, 14, 4704-4711.	1.1	5
38	Differential kinetics of transcription complex assembly distinguish oocyte and somatic 5S RNA genes of Xenopus. Gene Expression, 1997, 6, 387-99.	0.5	1