

J M Gottesfeld

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38
papers

3,234
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26
h-index

38
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38
ext. papers

3,356
ext. citations

11.1
avg, IF

4.39
L-index

#	Paper	IF	Citations
38	Regulation of gene expression by small molecules. <i>Nature</i> , 1997 , 387, 202-5	50.4	443
37	Mitotic repression of the transcriptional machinery. <i>Trends in Biochemical Sciences</i> , 1997 , 22, 197-202	10.3	312
36	Inhibition of RNA polymerase II transcription in human cells by synthetic DNA-binding ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 12890-5	11.5	211
35	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
34	Partial purification of the template-active fraction of chromatin: a preliminary report. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1974 , 71, 2193-7	11.5	155
33	Identifier sequences are transcribed specifically in brain. <i>Nature</i> , 1984 , 308, 237-41	50.4	150
32	Mitotic repression of RNA polymerase III transcription in vitro mediated by phosphorylation of a TFIIIB component. <i>Science</i> , 1994 , 263, 81-4	33.3	131
31	Molecular basis for specific recognition of both RNA and DNA by a zinc finger protein. <i>Science</i> , 1993 , 260, 530-3	33.3	126
30	Control of neuronal gene expression. <i>Science</i> , 1984 , 225, 1308-15	33.3	124
29	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
28	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
27	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
26	Structure of transcriptionally active chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1975 , 72, 4404-8	11.5	97
25	Structure of transcriptionally-active chromatin subunits. <i>Nucleic Acids Research</i> , 1977 , 4, 3155-73	20.1	87
24	Definition of the binding sites of individual zinc fingers in the transcription factor IIIA-5S RNA gene complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 10822-6	11.5	85
23	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
22	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

21	Energetics and affinity of the histone octamer for defined DNA sequences. <i>Biochemistry</i> , 2001 , 40, 10927-33	3.3	70
20	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
19	Chemical approaches to control gene expression. <i>Gene Expression</i> , 2000 , 9, 77-91	3.4	68
18	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
17	Sequence composition of the template-active fraction of rat liver chromatin. <i>Biochemistry</i> , 1976 , 15, 2473-83	3.8	61
16	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
15	Anti-repression of RNA polymerase II transcription by pyrrole-imidazole polyamides. <i>Biochemistry</i> , 1999 , 38, 10801-7	3.2	53
14	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
13	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
12	Methods for fractionation of chromatin into transcriptionally active and inactive segments. <i>Methods in Cell Biology</i> , 1977 , 16, 421-36	1.8	23
11	Asymmetric DNA binding by a homodimeric bHLH protein. <i>Biochemistry</i> , 2000 , 39, 9092-8	3.2	21
10	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
9	Transcriptional activation of RNA polymerase III-dependent genes by the human T-cell leukemia virus type 1 tax protein. <i>Molecular and Cellular Biology</i> , 1996 , 16, 1777-85	4.8	21
8	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
7	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
6	TATA-box DNA binding activity and subunit composition for RNA polymerase III transcription factor IIIB from <i>Xenopus laevis</i> . <i>Molecular and Cellular Biology</i> , 1996 , 16, 4639-47	4.8	12
5	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
4	Role of maturation-promoting factor (p34cdc2-cyclin B) in differential expression of the <i>Xenopus</i> oocyte and somatic-type 5S RNA genes. <i>Molecular and Cellular Biology</i> , 1994 , 14, 4704-11	4.8	9

3	Additional intragenic promoter elements of the <i>Xenopus</i> 5S RNA genes upstream from the TFIIIA-binding site. <i>Molecular and Cellular Biology</i> , 1990 , 10, 5166-5176	4.8	9
2	Role of maturation-promoting factor (p34cdc2-cyclin B) in differential expression of the <i>Xenopus</i> oocyte and somatic-type 5S RNA genes. <i>Molecular and Cellular Biology</i> , 1994 , 14, 4704-4711	4.8	4
1	Differential kinetics of transcription complex assembly distinguish oocyte and somatic 5S RNA genes of <i>Xenopus</i> . <i>Gene Expression</i> , 1997 , 6, 387-99	3.4	1