

# Fumiko Hirose

## List of Publications by Year in descending order

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58  
papers

2,633  
citations

147726

31  
h-index

182361

51  
g-index

58  
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58  
docs citations

58  
times ranked

2488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of active rat DNA polymerase .beta. in Escherichia coli. <i>Biochemistry</i> , 1988, 27, 2983-2990.	1.2	191
2	Perilipin 5, a Lipid Droplet-binding Protein, Protects Heart from Oxidative Burden by Sequestering Fatty Acid from Excessive Oxidation. <i>Journal of Biological Chemistry</i> , 2012, 287, 23852-23863.	1.6	190
3	MLDP, a Novel PAT Family Protein Localized to Lipid Droplets and Enriched in the Heart, Is Regulated by Peroxisome Proliferator-activated Receptor $\beta$ . <i>Journal of Biological Chemistry</i> , 2006, 281, 14232-14240.	1.6	177
4	CGI-58 facilitates lipolysis on lipid droplets but is not involved in the vesiculation of lipid droplets caused by hormonal stimulation. <i>Journal of Lipid Research</i> , 2007, 48, 1078-1089.	2.0	142
5	The transactivating function of peroxisome proliferator-activated receptor $\beta$ is negatively regulated by SUMO conjugation in the amino-terminal domain. <i>Genes To Cells</i> , 2004, 9, 1017-1029.	0.5	126
6	Isolation and Characterization of cDNA for DREF, a Promoter-activating Factor for Drosophila DNA Replication-related Genes. <i>Journal of Biological Chemistry</i> , 1996, 271, 3930-3937.	1.6	118
7	Dual Roles of p300 in Chromatin Assembly and Transcriptional Activation in Cooperation with Nucleosome Assembly Protein 1 In Vitro. <i>Molecular and Cellular Biology</i> , 2002, 22, 2974-2983.	1.1	86
8	The DNA Replication-related Element (DRE)/DRE-binding Factor System Is a Transcriptional Regulator of the Drosophila E2F Gene. <i>Journal of Biological Chemistry</i> , 1998, 273, 26042-26051.	1.6	78
9	Ectopic Expression of DREF Induces DNA Synthesis, Apoptosis, and Unusual Morphogenesis in the Drosophila Eye Imaginal Disc: Possible Interaction with Polycomb and trithorax Group Proteins. <i>Molecular and Cellular Biology</i> , 2001, 21, 7231-7242.	1.1	76
10	Transcriptional regulation of the Drosophila CycA gene by the DNA replication-related element (DRE) and DRE binding factor (DREF). <i>Nucleic Acids Research</i> , 1996, 24, 3942-3946.	6.5	71
11	Structure and expression during development of Drosophila melanogaster gene for DNA polymerase $\beta$ . <i>Nucleic Acids Research</i> , 1991, 19, 4991-4998.	6.5	68
12	hDREF Regulates Cell Proliferation and Expression of Ribosomal Protein Genes. <i>Molecular and Cellular Biology</i> , 2007, 27, 2003-2013.	1.1	68
13	The DRE/DREF transcriptional regulatory system: a master key for cell proliferation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 81-89.	0.9	66
14	Active involvement of micro-lipid droplets and lipid-droplet-associated proteins in hormone-stimulated lipolysis in adipocytes. <i>Journal of Cell Science</i> , 2012, 125, 6127-6136.	1.2	60
15	Identification of a Human Homologue of the DREF Transcription Factor with a Potential Role in Regulation of the Histone H1 Gene. <i>Journal of Biological Chemistry</i> , 2003, 278, 22928-22938.	1.6	58
16	A Nucleotide Sequence Essential for the Function of DRE, a Common Promoter Element for Drosophila DNA Replication-related Genes. <i>Journal of Biological Chemistry</i> , 1995, 270, 15808-15814.	1.6	55
17	DNA Replication-related Elements Cooperate to Enhance Promoter Activity of the DNA Polymerase $\beta$ 73-kDa Subunit Gene. <i>Journal of Biological Chemistry</i> , 1996, 271, 14541-14547.	1.6	50
18	Ectopic expression of human p53 inhibits entry into S phase and induces apoptosis in the Drosophila eye imaginal disc. <i>Oncogene</i> , 1999, 18, 6767-6775.	2.6	50

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19	Aspects of the regulatory mechanisms of PPAR functions: Analysis of a bidirectional response element and regulation by sumoylation. <i>Molecular and Cellular Biochemistry</i> , 2006, 286, 33-42.	1.4	48
20	Drosophila Mi-2 Negatively Regulates dDREF by Inhibiting Its DNA-Binding Activity. <i>Molecular and Cellular Biology</i> , 2002, 22, 5182-5193.	1.1	44
21	Targeted Expression of the DNA Binding Domain of DRE-Binding Factor, a <i>Drosophila</i> Transcription Factor, Attenuates DNA Replication of the Salivary Gland and Eye Imaginal Disc. <i>Molecular and Cellular Biology</i> , 1999, 19, 6020-6028.	1.1	43
22	Deficiency of a Lipid Droplet Protein, Perilipin 5, Suppresses Myocardial Lipid Accumulation, Thereby Preventing Type 1 Diabetes-Induced Heart Malfunction. <i>Molecular and Cellular Biology</i> , 2014, 34, 2721-2731.	1.1	43
23	Roles of multiple promoter elements of the proliferating cell nuclear antigen gene during <i>Drosophila</i> development. <i>Genes To Cells</i> , 1996, 1, 47-58.	0.5	42
24	DNA Polymerase $\mu$ from <i>Drosophila melanogaster</i> . <i>Biochemical and Biophysical Research Communications</i> , 1997, 230, 297-301.	1.0	40
25	Negative regulation of adipogenesis from human mesenchymal stem cells by Jun N-terminal kinase. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 499-504.	1.0	39
26	The DRE sequence TATCGATA, a putative promoter-activating element for <i>Drosophila melanogaster</i> cell-proliferation-related genes. <i>Gene</i> , 1995, 166, 233-236.	1.0	37
27	Orphan Nuclear Receptor Nur77 Accelerates the Initial Phase of Adipocyte Differentiation in 3T3-L1 Cells by Promoting Mitotic Clonal Expansion. <i>Journal of Biochemistry</i> , 2006, 141, 181-192.	0.9	37
28	DREF is required for EGFR signalling during <i>Drosophila</i> wing vein development. <i>Genes To Cells</i> , 2004, 9, 935-944.	0.5	36
29	Perilipin, a critical regulator of fat storage and breakdown, is a target gene of estrogen receptor-related receptor 1 $\pm$ . <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 563-568.	1.0	36
30	<i>Drosophila</i> Mitochondrial Transcription Factor A: Characterization of Its cDNA and Expression Pattern during Development. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 474-483.	1.0	34
31	Use of a fusion protein to obtain crystals suitable for X-ray analysis: Crystallization of a GST-fused protein containing the DNA-binding domain of DNA replication-related element-binding factor, DREF. <i>Protein Science</i> , 1997, 6, 1783-1786.	3.1	32
32	Expression patterns of DNA replication enzymes and the regulatory factor DREF during <i>Drosophila</i> development analyzed with specific antibodies. <i>Biology of the Cell</i> , 1995, 85, 147-155.	0.7	27
33	Over-expression of DREF in the <i>Drosophila</i> wing imaginal disc induces apoptosis and a notching wing phenotype. <i>Genes To Cells</i> , 2001, 6, 877-886.	0.5	27
34	Lamin A reassembly at the end of mitosis is regulated by its SUMO-interacting motif. <i>Experimental Cell Research</i> , 2016, 342, 83-94.	1.2	24
35	Characterization of a <i>Drosophila</i> homologue of the human myelodysplasia/myeloid leukemia factor (MLF). <i>Gene</i> , 2000, 260, 133-143.	1.0	23
36	Transcriptional Regulation of DNA Replication-related Genes in Cell Growth, Differentiation and Oncogenesis. <i>Japanese Journal of Cancer Research</i> , 1994, 85, 1-8.	1.7	21

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37	Drosophila damage-specific DNA-binding protein 1 (D-DDB1) is controlled by the DRE/DREF system. <i>Nucleic Acids Research</i> , 2002, 30, 3795-3808.	6.5	21
38	Human DNA Replication-related Element Binding Factor (hDREF) Self-association via hATC Domain Is Necessary for Its Nuclear Accumulation and DNA Binding. <i>Journal of Biological Chemistry</i> , 2007, 282, 7563-7575.	1.6	21
39	Transcription Factor hDREF Is a Novel SUMO E3 Ligase of Mi2 <sup>±</sup> . <i>Journal of Biological Chemistry</i> , 2016, 291, 11619-11634.	1.6	20
40	Identification of CFDD (Common Regulatory Factor for DNA Replication and DREF Genes) and Role of Its Binding Site in Regulation of the Proliferating Cell Nuclear Antigen Gene Promoter. <i>Journal of Biological Chemistry</i> , 1997, 272, 22848-22858.	1.6	19
41	Transcriptional regulation of the Drosophila <i>orc2</i> gene by the DREF pathway. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1732, 23-30.	2.4	17
42	Distinct Roles of E2F Recognition Sites as Positive or Negative Elements in Regulation of the DNA Polymerase $\alpha$ 180 kDa Catalytic Subunit Gene Promoter during Drosophila Development. <i>Nucleic Acids Research</i> , 1997, 25, 3847-3854.	6.5	16
43	Peroxisome Proliferator-Activated Receptor Subtypes Differentially Cooperate with Other Transcription Factors in Selective Transactivation of the Perilipin/PEX1 <sup>±</sup> Gene Pair. <i>Journal of Biochemistry</i> , 2006, 139, 563-573.	0.9	16
44	cDNA cloning and expression during development of Drosophila melanogaster MCM3, MCM6 and MCM7. <i>Gene</i> , 1998, 217, 177-186.	1.0	15
45	Transcription control of a gene for Drosophila transcription factor, DREF by DRE and cis-elements conserved between Drosophila melanogaster and virilis. <i>Gene</i> , 2003, 309, 101-116.	1.0	15
46	GDNF-inducible zinc finger protein 1 is a sequence-specific transcriptional repressor that binds to the HOXA10 gene regulatory region. <i>Nucleic Acids Research</i> , 2005, 33, 4191-4201.	6.5	15
47	Genetic screening for modifiers of the DREF pathway in Drosophila melanogaster : identification and characterization of HP6 as a novel target of DREF. <i>Nucleic Acids Research</i> , 2009, 37, 1423-1437.	6.5	15
48	Ectopic expression of BEAF32A in the Drosophila eye imaginal disc inhibits differentiation of photoreceptor cells and induces apoptosis. <i>Chromosoma</i> , 2001, 110, 313-321.	1.0	13
49	Molecular cloning and expression during development of the Drosophila gene for the catalytic subunit of DNA polymerase $\mu$ . <i>Gene</i> , 2000, 256, 93-100.	1.0	12
50	Redox regulation of DNA binding activity of DREF (DNA replication-related element binding factor) in Drosophila. <i>Biochemical Journal</i> , 2004, 378, 833-838.	1.7	12
51	Genetic link between p53 and genes required for formation of the zonula adherens junction. <i>Cancer Science</i> , 2004, 95, 436-441.	1.7	10
52	Target Specificities of Estrogen Receptor-Related Receptors: Analysis of Binding Sequences and Identification of Rb1-Inducible Coiled-Coil 1 (Rb1cc1) as a Target Gene. <i>Journal of Biochemistry</i> , 2007, 143, 395-406.	0.9	6
53	Long-term expression of the lamin A mutant associated with dilated cardiomyopathy induces senescence. <i>Genes To Cells</i> , 2014, 19, 901-918.	0.5	6
54	E2F-dependent transcription of the raf proto-oncogene during Drosophila development. <i>Nucleic Acids Research</i> , 2001, 29, 1808-1814.	6.5	5

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55	Spatio-temporal expression of Drosophila mitochondrial transcription factor A during development. Cell Biology International, 2003, 27, 361-374.	1.4	5
56	SUMOylation of RepoMan during late telophase regulates dephosphorylation of lamin A. Journal of Cell Science, 2021, 134, .	1.2	5
57	Armadillo/Pangolin regulates PCNA and DREF promoter activities. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1679, 256-262.	2.4	3
58	Identification of a Gene Sharing a Promoter and Peroxisome Proliferator-Response Elements With Acyl-CoA Oxidase Gene. PPAR Research, 2006, 2006, 1-10.	1.1	3