

Yuki Yamaguchi

List of Publications by Year in descending order

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102
papers

8,386
citations

57758

44
h-index

46799

89
g-index

102
all docs

102
docs citations

102
times ranked

9476
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Primary Target of Thalidomide Teratogenicity. <i>Science</i> , 2010, 327, 1345-1350.	12.6	1,614
2	NELF, a Multisubunit Complex Containing RD, Cooperates with DSIF to Repress RNA Polymerase II Elongation. <i>Cell</i> , 1999, 97, 41-51.	28.9	702
3	P-TEFb-Mediated Phosphorylation of hSpt5 C-Terminal Repeats Is Critical for Processive Transcription Elongation. <i>Molecular Cell</i> , 2006, 21, 227-237.	9.7	305
4	NELF and DSIF cause promoter proximal pausing on the hsp70 promoter in <i>Drosophila</i> . <i>Genes and Development</i> , 2003, 17, 1402-1414.	5.9	261
5	Mutations of the PAX6 Gene Detected in Patients with a Variety of Optic-Nerve Malformations. <i>American Journal of Human Genetics</i> , 2003, 72, 1565-1570.	6.2	223
6	Spatial Redox Regulation of a Critical Cysteine Residue of NF- κ B in Vivo. <i>Journal of Biological Chemistry</i> , 2002, 277, 44548-44556.	3.4	201
7	NELF Interacts with CBC and Participates in 3' End Processing of Replication-Dependent Histone mRNAs. <i>Molecular Cell</i> , 2007, 26, 349-365.	9.7	197
8	Human Transcription Elongation Factor NELF: Identification of Novel Subunits and Reconstitution of the Functionally Active Complex. <i>Molecular and Cellular Biology</i> , 2003, 23, 1863-1873.	2.3	183
9	Evidence that Negative Elongation Factor Represses Transcription Elongation through Binding to a DRB Sensitivity-Inducing Factor/RNA Polymerase II Complex and RNA. <i>Molecular and Cellular Biology</i> , 2002, 22, 2918-2927.	2.3	182
10	Mediator Requirement for Both Recruitment and Postrecruitment Steps in Transcription Initiation. <i>Molecular Cell</i> , 2005, 17, 683-694.	9.7	177
11	A Highly Purified RNA Polymerase II Elongation Control System. <i>Journal of Biological Chemistry</i> , 2001, 276, 42601-42609.	3.4	158
12	A regulator of transcriptional elongation controls vertebrate neuronal development. <i>Nature</i> , 2000, 408, 366-369.	27.8	153
13	Haem-dependent dimerization of PGRMC1/Sigma-2 receptor facilitates cancer proliferation and chemoresistance. <i>Nature Communications</i> , 2016, 7, 11030.	12.8	153
14	Transcription elongation factors DSIF and NELF: Promoter-proximal pausing and beyond. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 98-104.	1.9	142
15	A new APE1/Ref-1-dependent pathway leading to reduction of NF- κ B and AP-1, and activation of their DNA-binding activity. <i>Nucleic Acids Research</i> , 2008, 36, 4327-4336.	14.5	130
16	Structure and Function of the Human Transcription Elongation Factor DSIF. <i>Journal of Biological Chemistry</i> , 1999, 274, 8085-8092.	3.4	124
17	Knock-down of 25 kDa subunit of cleavage factor Im in HeLa cells alters alternative polyadenylation within 3' UTRs. <i>Nucleic Acids Research</i> , 2006, 34, 6264-6271.	14.5	118
18	Missense Mutation in the Alternative Splice Region of the PAX6 Gene in Eye Anomalies. <i>American Journal of Human Genetics</i> , 1999, 65, 656-663.	6.2	116

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19	Effects of Endogenous DNA Base Lesions on Transcription Elongation by Mammalian RNA Polymerase II. <i>Journal of Biological Chemistry</i> , 2003, 278, 7294-7299.	3.4	113
20	Interferon Regulatory Factor 1 (IRF-1) and IRF-2 Distinctively Up-Regulate Gene Expression and Production of Interleukin-7 in Human Intestinal Epithelial Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 6298-6310.	2.3	113
21	Human Spt6 Stimulates Transcription Elongation by RNA Polymerase II In Vitro. <i>Molecular and Cellular Biology</i> , 2004, 24, 3324-3336.	2.3	106
22	FACT Relieves DSIF/NELF-Mediated Inhibition of Transcriptional Elongation and Reveals Functional Differences between P-TEFb and TFIIH. <i>Molecular Cell</i> , 2000, 5, 1067-1072.	9.7	98
23	Attenuation of estrogen receptor α -mediated transcription through estrogen-stimulated recruitment of a negative elongation factor. <i>Genes and Development</i> , 2004, 18, 2134-2146.	5.9	98
24	DSIF, the Paf1 complex, and Tat-SF1 have nonredundant, cooperative roles in RNA polymerase II elongation. <i>Genes and Development</i> , 2009, 23, 2765-2777.	5.9	95
25	p63 is a cereblon substrate involved in thalidomide teratogenicity. <i>Nature Chemical Biology</i> , 2019, 15, 1077-1084.	8.0	94
26	Transcriptional Pausing Caused by NELF Plays a Dual Role in Regulating Immediate-Early Expression of the junB Gene. <i>Molecular and Cellular Biology</i> , 2006, 26, 6094-6104.	2.3	91
27	Systematic Identification of Proteins Binding to Chromatin-Embedded Ubiquitylated H2B Reveals Recruitment of SWI/SNF to Regulate Transcription. <i>Cell Reports</i> , 2013, 4, 601-608.	6.4	82
28	NTP-driven Translocation by Human RNA Polymerase II. <i>Journal of Biological Chemistry</i> , 2003, 278, 18303-18312.	3.4	80
29	DSIF and NELF interact with Integrator to specify the correct post-transcriptional fate of snRNA genes. <i>Nature Communications</i> , 2014, 5, 4263.	12.8	78
30	Structural basis of thalidomide enantiomer binding to cereblon. <i>Scientific Reports</i> , 2018, 8, 1294.	3.3	77
31	Interplay between positive and negative elongation factors: drawing a new view of DRB. <i>Genes To Cells</i> , 1998, 3, 9-15.	1.2	75
32	NF-Y Is Essential for the Recruitment of RNA Polymerase II and Inducible Transcription of Several CCAAT Box-Containing Genes. <i>Molecular and Cellular Biology</i> , 2005, 25, 512-522.	2.3	75
33	Development and application of high-performance affinity beads: Toward chemical biology and drug discovery. <i>Chemical Record</i> , 2009, 9, 66-85.	5.8	71
34	Differential Regulation of NF- κ B by Elongation Factors Is Determined by Core Promoter Type. <i>Molecular and Cellular Biology</i> , 2007, 27, 5246-5259.	2.3	63
35	Evidence that cleavage factor Im is a heterotetrameric protein complex controlling alternative polyadenylation. <i>Genes To Cells</i> , 2010, 15, 1003-1013.	1.2	63
36	Transdifferentiation of the retinal pigment epithelia to the neural retina by transfer of the Pax6 transcriptional factor. <i>Human Molecular Genetics</i> , 2005, 14, 1059-1068.	2.9	61

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37	hnRNP-U enhances the expression of specific genes by stabilizing mRNA. <i>FEBS Letters</i> , 2007, 581, 1-7.	2.8	61
38	The Pax6 isoform bearing an alternative spliced exon promotes the development of the neural retinal structure. <i>Human Molecular Genetics</i> , 2005, 14, 735-745.	2.9	58
39	ARID2 is a pomalidomide-dependent CRL4CRBN substrate in multiple myeloma cells. <i>Nature Chemical Biology</i> , 2020, 16, 1208-1217.	8.0	53
40	A New Mechanism of Methotrexate Action Revealed by Target Screening with Affinity Beads. <i>Molecular Pharmacology</i> , 2006, 70, 1832-1839.	2.3	52
41	Tat-SF1 Protein Associates with RAP30 and Human SPT5 Proteins. <i>Molecular and Cellular Biology</i> , 1999, 19, 5960-5968.	2.3	50
42	Capsaicin binds to prohibitin 2 and displaces it from the mitochondria to the nucleus. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 519-525.	2.1	50
43	Adenine Nucleotide Translocator Transports Haem Precursors into Mitochondria. <i>PLoS ONE</i> , 2008, 3, e3070.	2.5	49
44	Molecular characterization of Drosophila NELF. <i>Nucleic Acids Research</i> , 2005, 33, 1269-1279.	14.5	48
45	Hepatitis delta antigen binds to the clamp of RNA polymerase II and affects transcriptional fidelity. <i>Genes To Cells</i> , 2007, 12, 863-875.	1.2	48
46	Elongation Inhibition by DRB Sensitivity-Inducing Factor Is Regulated by the A20 Promoter via a Novel Negative Element and NF- κ B. <i>Molecular and Cellular Biology</i> , 2004, 24, 2444-2454.	2.3	43
47	Role of N ϵ -ubiquitin ligases UBR1 and UBR2 in regulating the leucine ϵ mTOR signaling pathway. <i>Genes To Cells</i> , 2010, 15, 339-349.	1.2	42
48	GABP, HCF-1 and YY1 are involved in Rb gene expression during myogenesis. <i>Genes To Cells</i> , 2005, 10, 717-731.	1.2	41
49	Atrazine binds to F1F0-ATP synthase and inhibits mitochondrial function in sperm. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 66-72.	2.1	40
50	Promoter-proximal pausing and its release: Molecular mechanisms and physiological functions. <i>Experimental Cell Research</i> , 2010, 316, 2723-2730.	2.6	40
51	A Novel Hydrogen Peroxide-induced Phosphorylation and Ubiquitination Pathway Leading to RNA Polymerase II Proteolysis. <i>Journal of Biological Chemistry</i> , 2004, 279, 8190-8195.	3.4	39
52	Vitamin K2 Covalently Binds to Bak and Induces Bak-Mediated Apoptosis. <i>Molecular Pharmacology</i> , 2013, 83, 613-620.	2.3	39
53	Inhibition of protein SUMOylation by davidiin, an ellagitannin from <i>Davidia involucreta</i> . <i>Journal of Antibiotics</i> , 2014, 67, 335-338.	2.0	39
54	Characterization of the Human Transcription Elongation Factor Rtf1: Evidence for Nonoverlapping Functions of Rtf1 and the Paf1 Complex. <i>Molecular and Cellular Biology</i> , 2015, 35, 3459-3470.	2.3	39

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55	Autoregulation of Pax6 transcriptional activation by two distinct DNA-binding subdomains of the paired domain. <i>Genes To Cells</i> , 1997, 2, 255-261.	1.2	36
56	Locus-Specific Requirements for Spt5 in Transcriptional Activation and Repression in <i>Drosophila</i> . <i>Current Biology</i> , 2004, 14, 1680-1684.	3.9	35
57	The Fab portion of immunoglobulin G contributes to its binding to Fc γ 3 receptor III. <i>Scientific Reports</i> , 2019, 9, 11957.	3.3	35
58	Presentation of functional foreign peptides on the surface of SV40 virus-like particles. <i>Journal of Biotechnology</i> , 2008, 135, 385-392.	3.8	34
59	Copurification of Casein Kinase II with Transcription Factor ATF/E4TF3. <i>Nucleic Acids Research</i> , 1996, 24, 876-884.	14.5	30
60	Salicylic Acid Induces Mitochondrial Injury by Inhibiting Ferrochelatase Heme Biosynthesis Activity. <i>Molecular Pharmacology</i> , 2013, 84, 824-833.	2.3	30
61	Application of high-performance magnetic nanobeads to biological sensing devices. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1825-1837.	3.7	30
62	Selective ligand purification using high-performance affinity beads. <i>Analytical Biochemistry</i> , 2005, 338, 245-252.	2.4	29
63	DSIF Restricts NF- κ B Signaling by Coordinating Elongation with mRNA Processing of Negative Feedback Genes. <i>Cell Reports</i> , 2012, 2, 722-731.	6.4	29
64	Systematic changes to the apparent diffusion tensor of in vivo rat brain measured with an oscillating-gradient spin-echo sequence. <i>NeuroImage</i> , 2013, 70, 10-20.	4.2	29
65	Evidence that SV40 VP1-DNA interactions contribute to the assembly of 40-nm spherical viral particles. <i>Genes To Cells</i> , 2007, 12, 1267-1279.	1.2	28
66	DSIF contributes to transcriptional activation by DNA-binding activators by preventing pausing during transcription elongation. <i>Nucleic Acids Research</i> , 2007, 35, 4064-4075.	14.5	26
67	Role of human transcription elongation factor DSIF in the suppression of senescence and apoptosis. <i>Genes To Cells</i> , 2009, 14, 343-354.	1.2	25
68	Genome-wide screening reveals a role for subcellular localization of CRBN in the anti-myeloma activity of pomalidomide. <i>Scientific Reports</i> , 2020, 10, 4012.	3.3	25
69	Repression of RNA Polymerase II Elongation In Vivo Is Critically Dependent on the C-Terminus of Spt5. <i>PLoS ONE</i> , 2009, 4, e6918.	2.5	24
70	HIV and hepatitis delta virus: evolution takes different paths to relieve blocks in transcriptional elongation. <i>Microbes and Infection</i> , 2002, 4, 1169-1175.	1.9	23
71	Viral protein-coating of magnetic nanoparticles using simian virus 40 VP1. <i>Journal of Biotechnology</i> , 2013, 167, 8-15.	3.8	23
72	Magnetically Promoted Rapid Immunoreactions Using Functionalized Fluorescent Magnetic Beads: A Proof of Principle. <i>Clinical Chemistry</i> , 2014, 60, 610-620.	3.2	23

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73	Exploiting ubiquitin ligase cereblon as a target for small-molecule compounds in medicine and chemical biology. <i>Cell Chemical Biology</i> , 2021, 28, 987-999.	5.2	23
74	Structure-function analysis of human Spt4: evidence that hSpt4 and hSpt5 exert their roles in transcriptional elongation as parts of the DSIF complex. <i>Genes To Cells</i> , 2003, 8, 371-378.	1.2	22
75	Identification of Dynamin-2-Mediated Endocytosis as a New Target of Osteoporosis Drugs, Bisphosphonates. <i>Molecular Pharmacology</i> , 2010, 77, 262-269.	2.3	22
76	The role of Mediator and Little Elongation Complex in transcription termination. <i>Nature Communications</i> , 2020, 11, 1063.	12.8	21
77	Mono-(2-ethylhexyl) phthalate Targets Glycogen Debranching Enzyme and Affects Glycogen Metabolism in Rat Testis. <i>Toxicological Sciences</i> , 2009, 109, 143-151.	3.1	19
78	Incorporation of 8-hydroxyguanosine (8-oxo-7,8-dihydroguanosine) 5â€²-triphosphate by bacterial and human RNA polymerases. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1703-1707.	2.9	18
79	TFIIH down-regulates a subset of estrogen-responsive genes through its interaction with an initiator element and estrogen receptor alpha. <i>Genes To Cells</i> , 2006, 11, 373-381.	1.2	17
80	In vitro reconstitution of SV40 particles that are composed of VP1/2/3 capsid proteins and nucleosomal DNA and direct efficient gene transfer. <i>Virology</i> , 2011, 420, 1-9.	2.4	17
81	CTCF regulates NELF, DSIF and P-TEFb recruitment during transcription. <i>Transcription</i> , 2015, 6, 79-90.	3.1	17
82	Cereblon Control of Zebrafish Brain Size by Regulation of Neural Stem Cell Proliferation. <i>IScience</i> , 2019, 15, 95-108.	4.1	17
83	Mechanism of H-8 inhibition of Cyclin-dependent kinase 9: study using inhibitor-immobilized matrices. <i>Genes To Cells</i> , 2003, 8, 215-223.	1.2	16
84	Identification of a chemical substructure that is immobilized to ferrite nanoparticles (FP). <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 54, 249-253.	5.0	15
85	Identification of DNA-Dependent Protein Kinase Catalytic Subunit (DNA-PKcs) as a Novel Target of Bisphenol A. <i>PLoS ONE</i> , 2012, 7, e50481.	2.5	15
86	Three human RNA polymerases interact with TFIIH via a common RPB6 subunit. <i>Nucleic Acids Research</i> , 2022, 50, 1-16.	14.5	13
87	Global analysis for functional residues of histone variant Htz1 using the comprehensive point mutant library. <i>Genes To Cells</i> , 2011, 16, 590-607.	1.2	12
88	Assay of Transient State Kinetics of RNA Polymerase II Elongation. <i>Methods in Enzymology</i> , 2003, 371, 252-264.	1.0	11
89	Activationâ€induced cytidine deaminase autoâ€activates and triggers aberrant gene expression. <i>FEBS Letters</i> , 2013, 587, 2487-2492.	2.8	11
90	A Rapid Purification Method for Human RNA Polymerase II by Two-Step Affinity Chromatography. <i>Journal of Biochemistry</i> , 2003, 133, 133-138.	1.7	10

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91	Cellular dynamics of the negative transcription elongation factor NELF. <i>Experimental Cell Research</i> , 2009, 315, 1693-1705.	2.6	9
92	TLP-mediated global transcriptional repression after double-strand DNA breaks slows down DNA repair and induces apoptosis. <i>Scientific Reports</i> , 2019, 9, 4868.	3.3	9
93	The 3 rd Pol II pausing at replication-dependent histone genes is regulated by Mediator through Cajal bodies TM association with histone locus bodies. <i>Nature Communications</i> , 2022, 13, .	12.8	9
94	Vesnarinone Suppresses TNF α mRNA Expression by Inhibiting Valosin-Containing Protein. <i>Molecular Pharmacology</i> , 2013, 83, 930-938.	2.3	8
95	Erythropoiesis is regulated by the transcription elongation factor Foggy/Spt5 through gata1 gene regulation. <i>Genes To Cells</i> , 2011, 16, 231-242.	1.2	7
96	SV40 VP1 major capsid protein in its self-assembled form allows VP1 pentamers to coat various types of artificial beads in vitro regardless of their sizes and shapes. <i>Biotechnology Reports (Amsterdam)</i> , Tj ETQq0 0 0 rgBT4@verlock710 Tf 50 5		
97	The Fab portion of immunoglobulin G has sites in the CL domain that interact with Fc gamma receptor IIIa. <i>MAbs</i> , 2022, 14, 2038531.	5.2	7
98	Cloning of the hamster androgen receptor gene. <i>Journal of Dermatological Science</i> , 2001, 26, 163-168.	1.9	6
99	Adeno-Associated Virus Site-Specific Integration Is Regulated by TRP-185. <i>Journal of Virology</i> , 2007, 81, 1990-2001.	3.4	5
100	Development of a chemical screening system using aqueorin-fused protein. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 600-605.	2.1	3
101	Electrical conductance measurement of Hg ²⁺ -mediated DNA duplex in buffered aqueous solution. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 1083-1087.	1.1	3
102	Evaluation technique for the physical properties of antibody drugs. <i>Drug Delivery System</i> , 2021, 36, 336-341.	0.0	0