

Dong-Er Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8397968/publications.pdf>

Version: 2024-02-01

67
papers

6,785
citations

81900

39
h-index

106344

65
g-index

69
all docs

69
docs citations

69
times ranked

7542
citing authors

#	ARTICLE	IF	CITATIONS
1	UBP43 (USP18) Specifically Removes ISG15 from Conjugated Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 9976-9981.	3.4	435
2	Embryonic lethality and impairment of haematopoiesis in mice heterozygous for an AML1-ETO fusion gene. <i>Nature Genetics</i> , 1997, 15, 303-306.	21.4	344
3	The 8;21 translocation in leukemogenesis. <i>Oncogene</i> , 2004, 23, 4255-4262.	5.9	290
4	Protein ISGylation modulates the JAK-STAT signaling pathway. <i>Genes and Development</i> , 2003, 17, 455-460.	5.9	276
5	Interferon-Stimulated Gene 15 and the Protein ISGylation System. <i>Journal of Interferon and Cytokine Research</i> , 2011, 31, 119-130.	1.2	273
6	R-ChIP Using Inactive RNase H Reveals Dynamic Coupling of R-loops with Transcriptional Pausing at Gene Promoters. <i>Molecular Cell</i> , 2017, 68, 745-757.e5.	9.7	263
7	Role of ISG15 protease UB43 (USP18) in innate immunity to viral infection. <i>Nature Medicine</i> , 2004, 10, 1374-1378.	30.7	245
8	A previously unidentified alternatively spliced isoform of t(8;21) transcript promotes leukemogenesis. <i>Nature Medicine</i> , 2006, 12, 945-949.	30.7	244
9	The Interferon-inducible Ubiquitin-protein Isopeptide Ligase (E3) EFP Also Functions as an ISG15 E3 Ligase. <i>Journal of Biological Chemistry</i> , 2006, 281, 3989-3994.	3.4	238
10	High-throughput Immunoblotting. <i>Journal of Biological Chemistry</i> , 2003, 278, 16608-16613.	3.4	221
11	Interferon-Inducible Ubiquitin E2, Ubc8, Is a Conjugating Enzyme for Protein ISGylation. <i>Molecular and Cellular Biology</i> , 2004, 24, 9592-9600.	2.3	203
12	The Augmented R-Loop Is a Unifying Mechanism for Myelodysplastic Syndromes Induced by High-Risk Splicing Factor Mutations. <i>Molecular Cell</i> , 2018, 69, 412-425.e6.	9.7	203
13	Enforced viral replication activates adaptive immunity and is essential for the control of a cytopathic virus. <i>Nature Immunology</i> , 2012, 13, 51-57.	14.5	195
14	ISG15 Inhibits Nedd4 Ubiquitin E3 Activity and Enhances the Innate Antiviral Response*. <i>Journal of Biological Chemistry</i> , 2008, 283, 8783-8787.	3.4	162
15	Alpha Interferon Induces Long-Lasting Refractoriness of JAK-STAT Signaling in the Mouse Liver through Induction of USP18/UBP43. <i>Molecular and Cellular Biology</i> , 2009, 29, 4841-4851.	2.3	160
16	ISG15 modification of the eIF4E cognate 4EHP enhances cap structure-binding activity of 4EHP. <i>Genes and Development</i> , 2007, 21, 255-260.	5.9	151
17	A Novel Ubiquitin-Specific Protease, UB43, Cloned from Leukemia Fusion Protein AML1-ETO-Expressing Mice, Functions in Hematopoietic Cell Differentiation. <i>Molecular and Cellular Biology</i> , 1999, 19, 3029-3038.	2.3	142
18	Dysregulation of protein modification by ISG15 results in brain cell injury. <i>Genes and Development</i> , 2002, 16, 2207-2212.	5.9	142

#	ARTICLE	IF	CITATIONS
19	RUNX1 and RUNX1-ETO: roles in hematopoiesis and leukemogenesis. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1120.	3.0	142
20	STAT2 is an essential adaptor in USP18-mediated suppression of type I interferon signaling. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 279-289.	8.2	140
21	Dichotomy of AML1-ETO Functions: Growth Arrest versus Block of Differentiation. <i>Molecular and Cellular Biology</i> , 2001, 21, 5577-5590.	2.3	126
22	Multiple functions of USP18. <i>Cell Death and Disease</i> , 2016, 7, e2444-e2444.	6.3	118
23	Mice Lacking the ISG15 E1 Enzyme UbE1L Demonstrate Increased Susceptibility to both Mouse-Adapted and Non-Mouse-Adapted Influenza B Virus Infection. <i>Journal of Virology</i> , 2009, 83, 1147-1151.	3.4	117
24	Deletion of an AML1-ETO C-terminal NcoR/SMRT-interacting region strongly induces leukemia development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17186-17191.	7.1	113
25	Ube1L and Protein ISGylation Are Not Essential for Alpha/Beta Interferon Signaling. <i>Molecular and Cellular Biology</i> , 2006, 26, 472-479.	2.3	113
26	RUNX1a enhances hematopoietic lineage commitment from human embryonic stem cells and inducible pluripotent stem cells. <i>Blood</i> , 2013, 121, 2882-2890.	1.4	111
27	USP18 recruits USP20 to promote innate antiviral response through deubiquitinating STING/MITA. <i>Cell Research</i> , 2016, 26, 1302-1319.	12.0	109
28	PRMT1 interacts with AML1-ETO to promote its transcriptional activation and progenitor cell proliferative potential. <i>Blood</i> , 2012, 119, 4953-4962.	1.4	106
29	ISG15: a ubiquitin-like enigma. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 2701.	3.0	105
30	Acute myeloid leukemia with the 8q22;21q22 translocation: secondary mutational events and alternative t(8;21) transcripts. <i>Blood</i> , 2007, 110, 799-805.	1.4	105
31	SRSF2 Is Essential for Hematopoiesis, and Its Myelodysplastic Syndrome-Related Mutations Dysregulate Alternative Pre-mRNA Splicing. <i>Molecular and Cellular Biology</i> , 2015, 35, 3071-3082.	2.3	92
32	Enhanced Antibacterial Potential in UBP43-Deficient Mice against <i>Salmonella typhimurium</i> Infection by Up-Regulating Type I IFN Signaling. <i>Journal of Immunology</i> , 2005, 175, 847-854.	0.8	88
33	Usp18 deficient mammary epithelial cells create an antitumour environment driven by hypersensitivity to IFN γ and elevated secretion of Cxcl10. <i>EMBO Molecular Medicine</i> , 2013, 5, 1035-1050.	6.9	83
34	De Novo Mutations in SON Disrupt RNA Splicing of Genes Essential for Brain Development and Metabolism, Causing an Intellectual-Disability Syndrome. <i>American Journal of Human Genetics</i> , 2016, 99, 711-719.	6.2	81
35	Identification and characterization of a novel ISG15-ubiquitin mixed chain and its role in regulating protein homeostasis. <i>Scientific Reports</i> , 2015, 5, 12704.	3.3	76
36	Negative regulation of type I IFN signaling. <i>Journal of Leukocyte Biology</i> , 2018, 103, 1099-1116.	3.3	75

#	ARTICLE	IF	CITATIONS
37	AML1 (CBF1±2) Cooperates with B Cell-specific Activating Protein (BSAP/PAX5) in Activation of the B Cell-specific BLK Gene Promoter. <i>Journal of Biological Chemistry</i> , 1999, 274, 24671-24676.	3.4	59
38	Usp18 Driven Enforced Viral Replication in Dendritic Cells Contributes to Break of Immunological Tolerance in Autoimmune Diabetes. <i>PLoS Pathogens</i> , 2013, 9, e1003650.	4.7	51
39	Negative regulation of ISG15 E3 ligase EFP through its autoISGylation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 321-327.	2.1	44
40	Disruption of the NHR4 domain structure in AML1-ETO abrogates SON binding and promotes leukemogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17103-17108.	7.1	43
41	Hmga2 is a direct target gene of RUNX1 and regulates expansion of myeloid progenitors in mice. <i>Blood</i> , 2014, 124, 2203-2212.	1.4	41
42	Type I IFN induces protein ISGylation to enhance cytokine expression and augments colonic inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14313-14318.	7.1	41
43	Distinct splicing signatures affect converged pathways in myelodysplastic syndrome patients carrying mutations in different splicing regulators. <i>Rna</i> , 2016, 22, 1535-1549.	3.5	40
44	Runx1 exon 6-related alternative splicing isoforms differentially regulate hematopoiesis in mice. <i>Blood</i> , 2014, 123, 3760-3769.	1.4	37
45	<i>N</i> -Ethyl- <i>N</i> -Nitrosourea-induced Mutation in Ubiquitin-Specific Peptidase 18 Causes Hyperactivation of IFN- γ Signaling and Suppresses STAT4-Induced IFN- β Production, Resulting in Increased Susceptibility to <i>Salmonella</i> Typhimurium. <i>Journal of Immunology</i> , 2010, 185, 3593-3601.	0.8	36
46	Plakophilin-2 Promotes Tumor Development by Enhancing Ligand-Dependent and -Independent Epidermal Growth Factor Receptor Dimerization and Activation. <i>Molecular and Cellular Biology</i> , 2014, 34, 3843-3854.	2.3	34
47	Acute myeloid leukemia cell membrane-coated nanoparticles for cancer vaccination immunotherapy. <i>Leukemia</i> , 2022, 36, 994-1005.	7.2	33
48	Alteration of tumor spectrum by ISGylation in p53-deficient mice. <i>Cancer Biology and Therapy</i> , 2009, 8, 1167-1172.	3.4	26
49	Elevated Response to Type I IFN Enhances RANKL-Mediated Osteoclastogenesis in Usp18-Knockout Mice. <i>Journal of Immunology</i> , 2016, 196, 3887-3895.	0.8	24
50	Cooperation between RUNX1-ETO9a and Novel Transcriptional Partner KLF6 in Upregulation of Alox5 in Acute Myeloid Leukemia. <i>PLoS Genetics</i> , 2013, 9, e1003765.	3.5	22
51	Usp18 Promotes Conventional CD11b+ Dendritic Cell Development. <i>Journal of Immunology</i> , 2012, 188, 4776-4781.	0.8	20
52	The probacterial effect of type I interferon signaling requires its own negative regulator USP18. <i>Science Immunology</i> , 2018, 3, .	11.9	19
53	Attenuation of AML1-ETO cellular dysregulation correlates with increased leukemogenic potential. <i>Blood</i> , 2013, 121, 3714-3717.	1.4	18
54	Hippo kinase loss contributes to del(20q) hematologic malignancies through chronic innate immune activation. <i>Blood</i> , 2019, 134, 1730-1744.	1.4	17

#	ARTICLE	IF	CITATIONS
55	GF11 is required for RUNX1/ETO positive acute myeloid leukemia. <i>Haematologica</i> , 2018, 103, e395-e399.	3.5	13
56	MicroRNA let-7b downregulates AML1-ETO oncogene expression in t(8;21) AML by targeting its 3'UTR. <i>Experimental Hematology and Oncology</i> , 2021, 10, 8.	5.0	12
57	Deficiency of a potential 3p21.3 tumor suppressor gene UBE1L (UBA7) does not accelerate lung cancer development in K-rasLA2 mice. <i>Lung Cancer</i> , 2009, 63, 194-200.	2.0	11
58	Hematopoietic cells from Ube1L-deficient mice exhibit an impaired proliferation defect under the stress of bone marrow transplantation. <i>Blood Cells, Molecules, and Diseases</i> , 2010, 45, 103-111.	1.4	11
59	RUNX1-ETO induces a type I interferon response which negatively effects t(8;21)-induced increased self-renewal and leukemia development. <i>Leukemia and Lymphoma</i> , 2014, 55, 884-891.	1.3	11
60	Alternative polyadenylation dysregulation contributes to the differentiation block of acute myeloid leukemia. <i>Blood</i> , 2022, 139, 424-438.	1.4	11
61	USP18 Sensitivity of Peptide Transporters PEPT1 and PEPT2. <i>PLoS ONE</i> , 2015, 10, e0129365.	2.5	7
62	SERPINB13 is a novel RUNX1 target gene. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 115-120.	2.1	5
63	A CRISPR RNA-binding protein screen reveals regulators of RUNX1 isoform generation. <i>Blood Advances</i> , 2021, 5, 1310-1323.	5.2	5
64	Plakophilin-2 induced EGFR phosphorylation: a focus on the intracellular activators of EGFR. <i>Receptors & Clinical Investigation</i> , 2014, 2, e485.	0.9	2
65	C11orf21, a novel RUNX1 target gene, is down-regulated by RUNX1-ETO. <i>BBA Advances</i> , 2022, 2, 100047.	1.6	2
66	Overexpression of an isoform of AML1 in acute leukemia and its potential role in leukemogenesis. <i>Nature Precedings</i> , 2008, , .	0.1	0
67	SON Regulates GATA-2 Through Transcriptional Control of the Mir-23a/27a/24-2 Cluster. <i>Blood</i> , 2012, 120, 110-110.	1.4	0