Kenneth S Zaret

List of Publications by Year
in descending order

97 papers	16,076 citations	41258 49 h-index	45213 90 g-index
166 all docs	166 docs citations	166 times ranked	16894 citing authors

#	Article	IF	Citations
1	Pioneer transcription factors: establishing competence for gene expression. Genes and Development, 2011, 25, 2227-2241.	2.7	1,388
2	Opening of Compacted Chromatin by Early Developmental Transcription Factors HNF3 (FoxA) and GATA-4. Molecular Cell, 2002, 9, 279-289.	4.5	1,035
3	Liver Organogenesis Promoted by Endothelial Cells Prior to Vascular Function. Science, 2001, 294, 559-563.	6.0	803
4	Facilitators and Impediments of the Pluripotency Reprogramming Factors' Initial Engagement with the Genome. Cell, 2012, 151, 994-1004.	13.5	789
5	Initiation of Mammalian Liver Development from Endoderm by Fibroblast Growth Factors. Science, 1999, 284, 1998-2003.	6.0	660
6	Pioneer Transcription Factors Target Partial DNA Motifs on Nucleosomes to Initiate Reprogramming. Cell, 2015, 161, 555-568.	13.5	643
7	Distinct mesodermal signals, including BMPs from the septum transversum mesenchyme, are required in combination for hepatogenesis from the endoderm. Genes and Development, 2001, 15, 1998-2009.	2.7	573
8	Pioneer transcription factors in cell reprogramming. Genes and Development, 2014, 28, 2679-2692.	2.7	541
9	Hepatocyte nuclear factor 4Î± controls the development of a hepatic epithelium and liver morphogenesis. Nature Genetics, 2003, 34, 292-296.	9.4	530
10	Generation and Regeneration of Cells of the Liver and Pancreas. Science, 2008, 322, 1490-1494.	6.0	530
11	Reversible and persistent changes in chromatin structure accompany activation of a glucocorticoid-dependent enhancer element. Cell, 1984, 38, 29-38.	13.5	492
12	Regulatory phases of early liver development: paradigms of organogenesis. Nature Reviews Genetics, 2002, 3, 499-512.	7.7	459
13	H3K9me3-Dependent Heterochromatin: Barrier to Cell Fate Changes. Trends in Genetics, 2016, 32, 29-41.	2.9	380
14	An active tissue-specific enhancer and bound transcription factors existing in a precisely positioned nucleosomal array. Cell, 1993, 75, 387-398.	13.5	344
15	The Pioneer Transcription Factor FoxA Maintains an Accessible Nucleosome Configuration at Enhancers for Tissue-Specific Gene Activation. Molecular Cell, 2016, 62, 79-91.	4.5	315
16	Pioneer transcription factors, chromatin dynamics, and cell fate control. Current Opinion in Genetics and Development, 2016, 37, 76-81.	1.5	312
17	Genetic programming of liver and pancreas progenitors: lessons for stem-cell differentiation. Nature Reviews Genetics, 2008, 9, 329-340.	7.7	273
18	Distinct populations of endoderm cells converge to generate the embryonic liver bud and ventral foregut tissues. Developmental Biology, 2005, 280, 87-99.	0.9	261

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19	Cell fate control by pioneer transcription factors. Development (Cambridge), 2016, 143, 1833-1837.	1.2	249
20	Hex homeobox gene controls the transition of the endoderm to a pseudostratified, cell emergent epithelium for liver bud development. Developmental Biology, 2006, 290, 44-56.	0.9	248
21	Cell and tissue engineering for liver disease. Science Translational Medicine, 2014, 6, 245sr2.	5.8	247
22	Pioneer Transcription Factors Initiating Gene Network Changes. Annual Review of Genetics, 2020, 54, 367-385.	3.2	247
23	Hex homeobox gene-dependent tissue positioning is required for organogenesis of the ventral pancreas. Development (Cambridge), 2004, 131, 797-806.	1.2	235
24	An Early Developmental Transcription Factor Complex that Is More Stable on Nucleosome Core Particles Than on Free DNA. Molecular Cell, 1999, 4, 961-969.	4.5	219
25	Dynamic Signaling Network for the Specification of Embryonic Pancreas and Liver Progenitors. Science, 2009, 324, 1707-1710.	6.0	219
26	Mitotic transcription and waves of gene reactivation during mitotic exit. Science, 2017, 358, 119-122.	6.0	201
27	Detection of early pancreatic ductal adenocarcinoma with thrombospondin-2 and CA19-9 blood markers. Science Translational Medicine, 2017, 9, .	5.8	193
28	Bookmarking by specific and nonspecific binding of FoxA1 pioneer factor to mitotic chromosomes. Genes and Development, 2013, 27, 251-260.	2.7	191
29	Nucleosome-binding affinity as a primary determinant of the nuclear mobility of the pioneer transcription factor FoxA. Genes and Development, 2009, 23, 804-809.	2.7	190
30	Chromatin â€œPrepatternâ€•and Histone Modifiers in a Fate Choice for Liver and Pancreas. Science, 2011, 332, 963-966.	6.0	186
31	Role of H3K9me3 heterochromatin in cell identity establishment and maintenance. Current Opinion in Genetics and Development, 2019, 55, 1-10.	1.5	177
32	An iPSC Line from Human Pancreatic Ductal Adenocarcinoma Undergoes Early to Invasive Stages of Pancreatic Cancer Progression. Cell Reports, 2013, 3, 2088-2099.	2.9	161
33	H3K9me3-heterochromatin loss at protein-coding genes enables developmental lineage specification. Science, 2019, 363, 294-297.	6.0	161
34	Transcriptional competence and the active marking of tissue-specific enhancers by defined transcription factors in embryonic and induced pluripotent stem cells. Genes and Development, 2009, 23, 2824-2838.	2.7	160
35	Genomic and Proteomic Resolution of Heterochromatin and Its Restriction of Alternate Fate Genes. Molecular Cell, 2017, 68, 1023-1037.e15.	4.5	159
36	Structural Features of Transcription Factors Associating with Nucleosome Binding. Molecular Cell, 2019, 75, 921-932.e6.	4.5	158

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37	Repression by Groucho/TLE/Grg Proteins: Genomic Site Recruitment Generates Compacted Chromatin In Vitro and Impairs Activator Binding In Vivo. Molecular Cell, 2007, 28, 291-303.	4.5	151
38	An FGF Response Pathway that Mediates Hepatic Gene Induction in Embryonic Endoderm Cells. Developmental Cell, 2006, 11, 339-348.	3.1	138
39	An endothelialâ€"mesenchymal relay pathway regulates early phases of pancreas development. Developmental Biology, 2006, 290, 189-199.	0.9	124
40	BET Inhibitors Suppress ALDH Activity by Targeting <i>ALDH1A1</i> Super-Enhancer in Ovarian Cancer. Cancer Research, 2016, 76, 6320-6330.	0.4	115
41	Pioneer factor interactions and unmethylated CpG dinucleotides mark silent tissue-specific enhancers in embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12377-12382.	3.3	109
42	A changing paradigm of transcriptional memory propagation through mitosis. Nature Reviews Molecular Cell Biology, 2019, 20, 55-64.	16.1	97
43	Continued Activity of the Pioneer Factor Zelda Is Required to Drive Zygotic Genome Activation. Molecular Cell, 2019, 74, 185-195.e4.	4.5	95
44	Two-Parameter Mobility Assessments Discriminate Diverse Regulatory Factor Behaviors in Chromatin. Molecular Cell, 2020, 79, 677-688.e6.	4.5	87
45	Transcription Factor FoxA (HNF3) on a Nucleosome at an Enhancer Complex in Liver Chromatin. Journal of Biological Chemistry, 2001, 276, 44385-44389.	1.6	80
46	The Forkhead Factor FoxE1 Binds to the Thyroperoxidase Promoter during Thyroid Cell Differentiation and Modifies Compacted Chromatin Structure. Molecular and Cellular Biology, 2007, 27, 7302-7314.	1.1	73
47	Dynamics of genomic <scp>H</scp> 3 <scp>K</scp> 27me3 domains and role of <scp>EZH</scp> 2 during pancreatic endocrine specification. EMBO Journal, 2014, 33, 2157-2170.	3.5	70
48	Specific Interactions of the Wing Domains of FOXA1 Transcription Factor with DNA. Journal of Molecular Biology, 2007, 366, 720-724.	2.0	65
49	Study of FoxA Pioneer Factor at Silent Genes Reveals Rfx-Repressed Enhancer at Cdx2 and a Potential Indicator of Esophageal Adenocarcinoma Development. PLoS Genetics, 2011, 7, e1002277.	1.5	60
50	Gene network transitions in embryos depend upon interactions between a pioneer transcription factor and core histones. Nature Genetics, 2020, 52, 418-427.	9.4	57
51	Chromatin Scanning by Dynamic Binding of Pioneer Factors. Molecular Cell, 2016, 62, 665-667.	4.5	55
52	Reprogramming of human cancer cells to pluripotency for models of cancer progression. EMBO Journal, 2015, 34, 739-747.	3.5	52
53	Genome Reactivation after the Silence in Mitosis: Recapitulating Mechanisms of Development?. Developmental Cell, 2014, 29, 132-134.	3.1	41
54	Generation of Monoclonal Antibodies Specific for Cell Surface Molecules Expressed on Early Mouse Endoderm. Stem Cells, 2009, 27, 2103-2113.	1.4	38

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55	FoxA1 binding to the MMTV LTR modulates chromatin structure and transcription. Experimental Cell Research, 2005, 304, 593-603.	1.2	36
56	Diverse heterochromatin-associated proteins repress distinct classes of genes and repetitive elements. Nature Cell Biology, 2021, 23, 905-914.	4.6	35
57	From Endoderm to Liver Bud. Current Topics in Developmental Biology, 2016, 117, 647-669.	1.0	32
58	FoxA-dependent demethylation of DNA initiates epigenetic memory of cellular identity. Developmental Cell, 2021, 56, 602-612.e4.	3.1	30
59	Nuclear Mobility and Mitotic Chromosome Binding: Similarities between Pioneer Transcription Factor FoxA and Linker Histone H1. Cold Spring Harbor Symposia on Quantitative Biology, 2010, 75, 219-226.	2.0	29
60	Pioneering the chromatin landscape. Nature Genetics, 2018, 50, 167-169.	9.4	28
61	Expression of a Highly Unstable and Insoluble Transcription Factor inEscherichia coli:Purification and Characterization of thefork headHomolog Hnf3Î±. Protein Expression and Purification, 1995, 6, 821-825.	0.6	27
62	Using Small Molecules to Great Effect in Stem Cell Differentiation. Cell Stem Cell, 2009, 4, 373-374.	5.2	25
63	ETV2 functions as a pioneer factor to regulate and reprogram the endothelial lineage. Nature Cell Biology, 2022, 24, 672-684.	4.6	25
64	The transcriptional co-repressor Grg3/Tle3 promotes pancreatic endocrine progenitor delamination and Î²-cell differentiation. Development (Cambridge), 2012, 139, 1447-1456.	1.2	24
65	Embryonic liver developmental trajectory revealed by single-cell RNA sequencing in the Foxa2eGFP mouse. Communications Biology, 2020, 3, 642.	2.0	24
66	Grg3/TLE3 and Grg1/TLE1 Induce Monohormonal Pancreatic Î²-Cells While Repressing Î±-Cell Functions. Diabetes, 2014, 63, 1804-1816.	0.3	22
67	Low-Level, Global Transcription during Mitosis and Dynamic Gene Reactivation during Mitotic Exit. Cold Spring Harbor Symposia on Quantitative Biology, 2017, 82, 197-205.	2.0	22
68	Polycomb Repressive Complex 2 Proteins EZH1 and EZH2 Regulate Timing of Postnatal Hepatocyte Maturation and Fibrosis by Repressing Genes With Euchromatic Promoters inÂMice. Gastroenterology, 2019, 156, 1834-1848.	0.6	21
69	Dynamic expression of <i>groucho</i>â€related genes <i>Grg1</i> and <i>Grg3</i> in foregut endoderm and antagonism of differentiation. Developmental Dynamics, 2010, 239, 980-986.	0.8	19
70	Partial promoter substitutions generating transcriptional sentinels of diverse signaling pathways in embryonic stem cells and mice. DMM Disease Models and Mechanisms, 2012, 5, 956-66.	1.2	18
71	Maintaining Transcriptional Specificity Through Mitosis. Annual Review of Genomics and Human Genetics, 2022, 23, 53-71.	2.5	16
72	Comparison of reprogramming factor targets reveals both species-specific and conserved mechanisms in early iPSC reprogramming. BMC Genomics, 2018, 19, 956.	1.2	15

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73	Chromatin â€œpre-patternâ€•and epigenetic modulation in the cell fate choice of liver over pancreas in the endoderm. Nucleus, 2012, 3, 150-154.	0.6	14
74	Understanding impediments to cellular conversion to pluripotency by assessing the earliest events in ectopic transcription factor binding to the genome. Cell Cycle, 2013, 12, 1487-1491.	1.3	14
75	THBS2/CA19-9 Detecting Pancreatic Ductal Adenocarcinoma at Diagnosis Underperforms in Prediagnostic Detection: Implications for Biomarker Advancement. Cancer Prevention Research, 2021, 14, 223-232.	0.7	13
76	Extreme makeover of pancreatic Î±-cells. Nature, 2010, 464, 1132-1133.	13.7	12
77	Structures and consequences of pioneer factor binding to nucleosomes. Current Opinion in Structural Biology, 2022, 75, 102425.	2.6	12
78	Pancreatic Î² cells: Responding to the matrix. Cell Metabolism, 2006, 3, 148-150.	7.2	10
79	EU-RNA-seq for inÂvivo labeling and high throughput sequencing of nascent transcripts. STAR Protocols, 2021, 2, 100651.	0.5	9
80	Two-parameter single-molecule analysis for measurement of chromatin mobility. STAR Protocols, 2020, 1, 100223.	0.5	9
81	Maintaining liver mass. Nature, 2015, 524, 165-166.	13.7	7
82	The Chromatin Modifier MSK1/2 Suppresses Endocrine Cell Fates during Mouse Pancreatic Development. PLoS ONE, 2016, 11, e0166703.	1.1	7
83	Altered states: how gene expression is changed during differentiation. Current Opinion in Genetics and Development, 2010, 20, 467-469.	1.5	6
84	A LAMP sequencing approach for high-throughput co-detection of SARS-CoV-2 and influenza virus in human saliva. ELife, 2022, 11, .	2.8	6
85	Generation of Induced Pluripotent Stem Cell-Like Lines from Human Pancreatic Ductal Adenocarcinoma. Methods in Molecular Biology, 2019, 1882, 33-53.	0.4	4
86	Managing cell and human identity. Science, 2017, 356, 139-140.	6.0	3
87	Growth of pancreatic cancers with hemizygous chromosomal 17p loss of <i>MYBBP1A</i> can be preferentially targeted by PARP inhibitors. Science Advances, 2020, 6, .	4.7	3
88	Liver Development: From Endoderm to Hepatocyte. , 0, , 3-13.		2
89	Cell fate conversion: a chromatin remodeling checkpoint revealed. Cell Research, 2017, 27, 598-599.	5.7	2
90	Microsatellite enhancers can be targeted to impair tumorigenesis. Genes and Development, 2018, 32, 991-992.	2.7	2

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91	Epigenetic Mechanisms in Liver and Pancreas Generation and Regeneration. , 2019, , 231-257.		2
92	Longitudinal Analysis of Human Pancreatic Adenocarcinoma Development Reveals Transient Gene Expression Signatures. Molecular Cancer Research, 2021, 19, 1854-1867.	1.5	1
93	THSB2 as a prognostic biomarker for patients diagnosed with metastatic pancreatic ductal adenocarcinoma. Oncotarget, 2021, 12, 2266-2272.	0.8	1
94	At the Revolution with Fred Sherman. Molecular and Cellular Biology, 2014, 34, 922-925.	1.1	0
95	John D. Gearhart (1943â€"2020). Science, 2020, 369, 628-628.	6.0	0
96	Activating the genome during development and exit from mitosis. FASEB Journal, 2012, 26, 344.3.	0.2	0
97	Abstract B02: Modeling of early to invasive stages of pancreatic cancer progression with an iPSC-like line from human pancreatic ductal adenocarcinoma. , 2014, , .		0