

# David M Suter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/308279/publications.pdf>

Version: 2024-02-01

39  
papers

3,363  
citations

218677

26  
h-index

345221

36  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4960  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammalian Genes Are Transcribed with Widely Different Bursting Kinetics. <i>Science</i> , 2011, 332, 472-474.	12.6	846
2	Single-molecule imaging of transcription factor binding to DNA in live mammalian cells. <i>Nature Methods</i> , 2013, 10, 421-426.	19.0	459
3	Human Serum IgM Glycosylation. <i>Journal of Biological Chemistry</i> , 2005, 280, 29080-29087.	3.4	209
4	A role for mitotic bookmarking of SOX2 in pluripotency and differentiation. <i>Genes and Development</i> , 2016, 30, 2538-2550.	5.9	133
5	Stimulus-induced modulation of transcriptional bursting in a single mammalian gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20563-20568.	7.1	129
6	Spatial organization of RNA polymerase II inside a mammalian cell nucleus revealed by reflected light-sheet superresolution microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 681-686.	7.1	124
7	Modulation of transcriptional burst frequency by histone acetylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7153-7158.	7.1	122
8	Human Follicular Lymphoma Cells Contain Oligomannose Glycans in the Antigen-binding Site of the B-cell Receptor. <i>Journal of Biological Chemistry</i> , 2007, 282, 7405-7415.	3.4	117
9	Rapid Generation of Stable Transgenic Embryonic Stem Cell Lines Using Modular Lentivectors. <i>Stem Cells</i> , 2006, 24, 615-623.	3.2	101
10	A Sox1 to Pax6 Switch Drives Neuroectoderm to Radial Glia Progression During Differentiation of Mouse Embryonic Stem Cells. <i>Stem Cells</i> , 2009, 27, 49-58.	3.2	94
11	Circadian Dbp Transcription Relies on Highly Dynamic BMAL1-CLOCK Interaction with E Boxes and Requires the Proteasome. <i>Molecular Cell</i> , 2012, 48, 277-287.	9.7	90
12	Transcription Factors and DNA Play Hide and Seek. <i>Trends in Cell Biology</i> , 2020, 30, 491-500.	7.9	82
13	Mitotic chromosome binding predicts transcription factor properties in interphase. <i>Nature Communications</i> , 2019, 10, 487.	12.8	77
14	The Mammalian Circadian Timing System: Synchronization of Peripheral Clocks. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011, 76, 39-47.	1.1	75
15	A Pure Population of Ectodermal Cells Derived from Human Embryonic Stem Cells. <i>Stem Cells</i> , 2008, 26, 440-444.	3.2	66
16	Down-regulation of phosphatase and tensin homolog by hepatitis C virus core 3a in hepatocytes triggers the formation of large lipid droplets. <i>Hepatology</i> , 2011, 54, 38-49.	7.3	66
17	Dynamic regulation of chromatin accessibility by pluripotency transcription factors across the cell cycle. <i>ELife</i> , 2019, 8, .	6.0	61
18	Single Live Cell Monitoring of Protein Turnover Reveals Intercellular Variability and Cell-Cycle Dependence of Degradation Rates. <i>Molecular Cell</i> , 2018, 71, 1079-1091.e9.	9.7	50

#	ARTICLE	IF	CITATIONS
19	Single-molecule dynamics and genome-wide transcriptomics reveal that NF- $\kappa$ B (p65)-DNA binding times can be decoupled from transcriptional activation. <i>PLoS Genetics</i> , 2019, 15, e1007891.	3.5	45
20	Origins and consequences of transcriptional discontinuity. <i>Current Opinion in Cell Biology</i> , 2011, 23, 657-662.	5.4	41
21	Transcription factor retention on mitotic chromosomes: regulatory mechanisms and impact on cell fate decisions. <i>FEBS Letters</i> , 2018, 592, 878-887.	2.8	40
22	Engineered Multivalent Sensors to Detect Coexisting Histone Modifications in Living Stem Cells. <i>Cell Chemical Biology</i> , 2018, 25, 51-56.e6.	5.2	39
23	Endogenous fluctuations of $\langle \text{OCT} \rangle$ 4 and $\langle \text{SOX} \rangle$ 2 bias pluripotent cell fate decisions. <i>Molecular Systems Biology</i> , 2019, 15, e9002.	7.2	39
24	Neural commitment of embryonic stem cells: molecules, pathways and potential for cell therapy. <i>Journal of Pathology</i> , 2008, 215, 355-368.	4.5	34
25	Memory and relatedness of transcriptional activity in mammalian cell lineages. <i>Nature Communications</i> , 2019, 10, 1208.	12.8	34
26	Development of Human Nervous Tissue upon Differentiation of Embryonic Stem Cells in Three-Dimensional Culture. <i>Stem Cells</i> , 2009, 27, 509-520.	3.2	34
27	Dynamics of protein synthesis and degradation through the cell cycle. <i>Cell Cycle</i> , 2019, 18, 784-794.	2.6	33
28	Phenazopyridine induces and synchronizes neuronal differentiation of embryonic stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3517-3527.	3.6	20
29	Isoform- and dose-sensitive feedback interactions between paired box 6 gene and $\beta$ -catenin in cell differentiation and death. <i>Experimental Cell Research</i> , 2010, 316, 1070-1081.	2.6	15
30	Embryonic Stem Cell-Based Screen for Small Molecules: Cluster Analysis Reveals Four Response Patterns in Developing Neural Cells. <i>Current Medicinal Chemistry</i> , 2013, 20, 710-723.	2.4	15
31	Phenazopyridine induces and synchronizes neuronal differentiation of embryonic stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 0, 13, 3517-3527.	3.6	14
32	Feeding the Clock. <i>Science</i> , 2009, 326, 378-379.	12.6	12
33	A novel method for quantitative measurements of gene expression in single living cells. <i>Methods</i> , 2017, 120, 65-75.	3.8	11
34	Single-Cell Quantification of Protein Degradation Rates by Time-Lapse Fluorescence Microscopy in Adherent Cell Culture. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	8
35	The elusive role of mitotic bookmarking in transcriptional regulation: Insights from Sox2. <i>Cell Cycle</i> , 2017, 16, 601-606.	2.6	7
36	Quantitative relationships between SMAD dynamics and target gene activation kinetics in single live cells. <i>Scientific Reports</i> , 2019, 9, 5372.	3.3	7

#	ARTICLE	IF	CITATIONS
37	Reply to "Convergence of chromatin binding estimates in live cells". Nature Methods, 2013, 10, 692-692.	19.0	2
38	Spatial Organization of RNA Polymerase II Revealed by Super-Resolution Imaging of Mammalian Cell Nucleus. Biophysical Journal, 2013, 104, 339a.	0.5	0
39	Target Search Dynamics of Sox Transcription Factors. FASEB Journal, 2022, 36, .	0.5	0