

Rhett A Kovall

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,206
citations

279798

23
h-index

345221

36
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49
all docs

49
docs citations

49
times ranked

2406
citing authors

#	ARTICLE	IF	CITATIONS
1	Blocking UBE2N abrogates oncogenic immune signaling in acute myeloid leukemia. <i>Science Translational Medicine</i> , 2022, 14, eabb7695.	12.4	13
2	Transcription Factor RBPJ as a Molecular Switch in Regulating the Notch Response. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1287, 9-30.	1.6	30
3	PIM-induced phosphorylation of Notch3 promotes breast cancer tumorigenicity in a CSL-independent fashion. <i>Journal of Biological Chemistry</i> , 2021, 296, 100593.	3.4	9
4	Enhancers with cooperative Notch binding sites are more resistant to regulation by the Hairless co-repressor. <i>PLoS Genetics</i> , 2021, 17, e1009039.	3.5	4
5	Histone deacetylase 1 controls cardiomyocyte proliferation during embryonic heart development and cardiac regeneration in zebrafish. <i>PLoS Genetics</i> , 2021, 17, e1009890.	3.5	7
6	Notch dimerization and gene dosage are important for normal heart development, intestinal stem cell maintenance, and splenic marginal zone B-cell homeostasis during mite infestation. <i>PLoS Biology</i> , 2020, 18, e3000850.	5.6	11
7	Enhancer architecture sensitizes cell specific responses to Notch gene dose via a bind and discard mechanism. <i>ELife</i> , 2020, 9, .	6.0	13
8	Title is missing!. , 2020, 18, e3000850.		0
9	Title is missing!. , 2020, 18, e3000850.		0
10	Title is missing!. , 2020, 18, e3000850.		0
11	Title is missing!. , 2020, 18, e3000850.		0
12	Title is missing!. , 2020, 18, e3000850.		0
13	Title is missing!. , 2020, 18, e3000850.		0
14	Title is missing!. , 2020, 18, e3000850.		0
15	Title is missing!. , 2020, 18, e3000850.		0
16	Structurally conserved binding motifs of transcriptional regulators to notch nuclear effector CSL. <i>Experimental Biology and Medicine</i> , 2019, 244, 1520-1529.	2.4	13
17	Structural and Functional Studies of the RBPJ-SHARP Complex Reveal a Conserved Corepressor Binding Site. <i>Cell Reports</i> , 2019, 26, 845-854.e6.	6.4	38
18	A Comprehensive Structure-Function Study of Neurogenin3 Disease-Causing Alleles during Human Pancreas and Intestinal Organoid Development. <i>Developmental Cell</i> , 2019, 50, 367-380.e7.	7.0	35

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19	Structural biology: Gaining atomic level insight into the biological function of macromolecules. <i>Experimental Biology and Medicine</i> , 2019, 244, 1507-1509.	2.4	1
20	Activation of the Notch Signaling Pathway In Vivo Elicits Changes in CSL Nuclear Dynamics. <i>Developmental Cell</i> , 2018, 44, 611-623.e7.	7.0	74
21	CSL-Associated Corepressor and Coactivator Complexes. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1066, 279-295.	1.6	27
22	Structure-function analysis of RBPJ-interacting and tubulin-associated (RITA) reveals regions critical for repression of Notch target genes. <i>Journal of Biological Chemistry</i> , 2017, 292, 10549-10563.	3.4	34
23	The Canonical Notch Signaling Pathway: Structural and Biochemical Insights into Shape, Sugar, and Force. <i>Developmental Cell</i> , 2017, 41, 228-241.	7.0	291
24	RBPJ / CBF-1 interacts with L3 MBTL3 / MBT1 to promote repression of Notch signaling via histone demethylase KDM1A / LSD1. <i>EMBO Journal</i> , 2017, 36, 3232-3249.	7.8	54
25	Phosphorylation of Suppressor of Hairless impedes its DNA-binding activity. <i>Scientific Reports</i> , 2017, 7, 11820.	3.3	10
26	Structure and Function of the Su(H)-Hairless Repressor Complex, the Major Antagonist of Notch Signaling in <i>Drosophila melanogaster</i> . <i>PLoS Biology</i> , 2016, 14, e1002509.	5.6	53
27	A phospho-dependent mechanism involving NCoR and KMT2D controls a permissive chromatin state at Notch target genes. <i>Nucleic Acids Research</i> , 2016, 44, 4703-4720.	14.5	77
28	Thermodynamic binding analysis of Notch transcription complexes from <i>Drosophila melanogaster</i> . <i>Protein Science</i> , 2015, 24, 812-822.	7.6	14
29	Catalase (KatA) Plays a Role in Protection against Anaerobic Nitric Oxide in <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2014, 9, e91813.	2.5	40
30	A combination of computational and experimental approaches identifies DNA sequence constraints associated with target site binding specificity of the transcription factor CSL. <i>Nucleic Acids Research</i> , 2014, 42, 10550-10563.	14.5	16
31	Structure and Function of the CSL-KyoT2 Corepressor Complex: A Negative Regulator of Notch Signaling. <i>Structure</i> , 2014, 22, 70-81.	3.3	56
32	Characterization of CSL (CBF-1, Su(H), Lag-1) Mutants Reveals Differences in Signaling Mediated by Notch1 and Notch2. <i>Journal of Biological Chemistry</i> , 2012, 287, 34904-34916.	3.4	42
33	In Notch, One ANK Repeat Is Not Like the Other. <i>Structure</i> , 2012, 20, 202-204.	3.3	0
34	Transcriptional Repression in the Notch Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 14892-14902.	3.4	50
35	Structural and functional analysis of the repressor complex in the Notch signaling pathway of <i>Drosophila melanogaster</i> . <i>Molecular Biology of the Cell</i> , 2011, 22, 3242-3252.	2.1	44
36	Molecular Analysis of the Notch Repressor-Complex in <i>Drosophila</i> : Characterization of Potential Hairless Binding Sites on Suppressor of Hairless. <i>PLoS ONE</i> , 2011, 6, e27986.	2.5	19

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37	Thermodynamic and structural insights into CSL-DNA complexes. <i>Protein Science</i> , 2010, 19, 34-46.	7.6	43
38	Molecular Basis of Differential B-Pentamer Stability of Shiga Toxins 1 and 2. <i>PLoS ONE</i> , 2010, 5, e15153.	2.5	31
39	Mechanistic Insights into Notch Receptor Signaling from Structural and Biochemical Studies. <i>Current Topics in Developmental Biology</i> , 2010, 92, 31-71.	2.2	184
40	RAM-induced Allostery Facilitates Assembly of a Notch Pathway Active Transcription Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 14781-14791.	3.4	82
41	Structures of CSL, Notch and Mastermind proteins: piecing together an active transcription complex. <i>Current Opinion in Structural Biology</i> , 2007, 17, 117-127.	5.7	93
42	Crystal Structure of the CSL-Notch-Mastermind Ternary Complex Bound to DNA. <i>Cell</i> , 2006, 124, 985-996.	28.9	317
43	Crystal structure of the nuclear effector of Notch signaling, CSL, bound to DNA. <i>EMBO Journal</i> , 2004, 23, 3441-3451.	7.8	141
44	Crystal structure of human α -tocopherol transfer protein bound to its ligand: Implications for ataxia with vitamin E deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14713-14718.	7.1	121
45	Type II restriction endonucleases: structural, functional and evolutionary relationships. <i>Current Opinion in Chemical Biology</i> , 1999, 3, 578-583.	6.1	119