Gerald R Crabtree

List of Publications by Year
in descending order

95 papers	25,211 citations	22099 59 h-index	45213 90 g-index
103 all docs	103 docs citations	103 times ranked	24245 citing authors

#	Article	IF	Citations
1	ACTL6a coordinates axonal caliber recognition and myelination in the peripheral nerve. IScience, 2022, 25, 104132.	1.9	3
2	The Interaction of SWI/SNF with the Ribosome Regulates Translation and Confers Sensitivity to Translation Pathway Inhibitors in Cancers with Complex Perturbations. Cancer Research, 2022, 82, 2829-2837.	0.4	2
3	BAF subunit switching regulates chromatin accessibility to control cell cycle exit in the developing mammalian cortex. Genes and Development, 2021, 35, 335-353.	2.7	28
4	mSWI/SNF promotes Polycomb repression both directly and through genome-wide redistribution. Nature Structural and Molecular Biology, 2021, 28, 501-511.	3.6	50
5	Systemic enhancement of serotonin signaling reverses social deficits in multiple mouse models for ASD. Neuropsychopharmacology, 2021, 46, 2000-2010.	2.8	21
6	A CRISPR/Cas9-Engineered ARID1A-Deficient Human Gastric Cancer Organoid Model Reveals Essential and Nonessential Modes of Oncogenic Transformation. Cancer Discovery, 2021, 11, 1562-1581.	7.7	75
7	Increased ACTL6A occupancy within mSWI/SNF chromatin remodelers drives human squamous cell carcinoma. Molecular Cell, 2021, 81, 4964-4978.e8.	4.5	19
8	CHD8 dosage regulates transcription in pluripotency and early murine neural differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22331-22340.	3.3	27
9	LSH mediates gene repression through macroH2A deposition. Nature Communications, 2020, 11, 5647.	5.8	35
10	Chemical Inhibitors of a Selective SWI/SNF Function Synergize with ATR Inhibition in Cancer Cell Killing. ACS Chemical Biology, 2020, 15, 1685-1696.	1.6	13
11	Loss of the neural-specific BAF subunit ACTL6B relieves repression of early response genes and causes recessive autism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10055-10066.	3.3	34
12	Chromatin regulators mediate anthracycline sensitivity in breast cancer. Nature Medicine, 2019, 25, 1721-1727.	15.2	27
13	Nucleosome Turnover Regulates Histone Methylation Patterns over the Genome. Molecular Cell, 2019, 73, 61-72.e3.	4.5	69
14	Chemically induced proximity in biology and medicine. Science, 2018, 359, .	6.0	270
15	Rapid chromatin repression by Aire provides precise control of immune tolerance. Nature Immunology, 2018, 19, 162-172.	7.0	69
16	Tethering of Lsh at the Oct4 locus promotes gene repression associated with epigenetic changes. Epigenetics, 2018, 13, 173-181.	1.3	10
17	Dominant-negative SMARCA4 mutants alter the accessibility landscape of tissue-unrestricted enhancers. Nature Structural and Molecular Biology, 2018, 25, 61-72.	3.6	140
18	Small Molecule Targeting of Specific BAF (mSWI/SNF) Complexes for HIV Latency Reversal. Cell Chemical Biology, 2018, 25, 1443-1455.e14.	2.5	35

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19	TOP2 synergizes with BAF chromatin remodeling for both resolution and formation of facultative heterochromatin. Nature Structural and Molecular Biology, 2017, 24, 344-352.	3.6	66
20	A General Nonâ€Radioactive ATPase Assay for Chromatin Remodeling Complexes. Current Protocols in Chemical Biology, 2017, 9, 1-10.	1.7	7
21	Chd8 Mutation Leads to Autistic-like Behaviors and Impaired Striatal Circuits. Cell Reports, 2017, 19, 335-350.	2.9	177
22	The BAF45a/PHF10 subunit of SWI/SNF-like chromatin remodeling complexes is essential for hematopoietic stem cell maintenance. Experimental Hematology, 2017, 48, 58-71.e15.	0.2	40
23	Dynamics of BAFâ€“Polycomb complex opposition on heterochromatin in normal and oncogenic states. Nature Genetics, 2017, 49, 213-222.	9.4	220
24	Smarca4 ATPase mutations disrupt direct eviction of PRC1 from chromatin. Nature Genetics, 2017, 49, 282-288.	9.4	165
25	Rapid and reversible epigenome editing by endogenous chromatin regulators. Nature Communications, 2017, 8, 560.	5.8	118
26	DNA binding drives the association of BRG1/hBRM bromodomains with nucleosomes. Nature Communications, 2017, 8, 16080.	5.8	61
27	The Many Roles of BAF (mSWI/SNF) and PBAF Complexes in Cancer. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a026930.	2.9	309
28	BAF chromatin remodelling complex is an epigenetic regulator of lineage specification in the early mouse embryo. Development (Cambridge), 2016, 143, 1271-83.	1.2	32
29	Generation of <scp>BAF</scp>53bâ€<scp>C</scp>re transgenic mice with panâ€neuronal <scp>C</scp>re activities. Genesis, 2015, 53, 440-448.	0.8	34
30	Mammalian SWI/SNF chromatin remodeling complexes and cancer: Mechanistic insights gained from human genomics. Science Advances, 2015, 1, e1500447.	4.7	627
31	The role of BAF (mSWI/SNF) complexes in mammalian neural development. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2014, 166, 333-349.	0.7	135
32	Rethinking our intellectual origins: response to Kalinka et al.. Trends in Genetics, 2013, 29, 127-129.	2.9	0
33	Our fragile intellect. Part I. Trends in Genetics, 2013, 29, 1-3.	2.9	63
34	Our fragile intellect. Part II. Trends in Genetics, 2013, 29, 3-5.	2.9	48
35	ACTL6a Enforces the Epidermal Progenitor State by Suppressing SWI/SNF-Dependent Induction of KLF4. Cell Stem Cell, 2013, 12, 193-203.	5.2	97
36	Reversible Disruption of mSWI/SNF (BAF) Complexes by the SS18-SSX Oncogenic Fusion in Synovial Sarcoma. Cell, 2013, 153, 71-85.	13.5	383

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37	From neural development to cognition: unexpected roles for chromatin. Nature Reviews Genetics, 2013, 14, 347-359.	7.7	420
38	BAF complexes facilitate decatenation of DNA by topoisomerase IIÎ±. Nature, 2013, 497, 624-627.	13.7	230
39	Proteomic and bioinformatic analysis of mammalian SWI/SNF complexes identifies extensive roles in human malignancy. Nature Genetics, 2013, 45, 592-601.	9.4	1,082
40	Reversing the oncogenic roles of misdirected chromatin remodeling: Mechanistic insights into the SS18-SSX fusion protein in synovial sarcoma.. Journal of Clinical Oncology, 2013, 31, 10515-10515.	0.8	0
41	Dynamics of inherently bounded histone modification domains. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13296-13301.	3.3	60
42	Screening for Inhibitors of an Essential Chromatin Remodeler in Mouse Embryonic Stem Cells by Monitoring Transcriptional Regulation. Journal of Biomolecular Screening, 2012, 17, 1221-1230.	2.6	28
43	The BAF53a subunit of SWI/SNF-like BAF complexes is essential for hemopoietic stem cell function. Blood, 2012, 120, 4720-4732.	0.6	97
44	Dynamics and Memory of Heterochromatin in Living Cells. Cell, 2012, 149, 1447-1460.	13.5	381
45	Small Molecule-Induced Proximity. , 2012, , 115-126.		0
46	ATP-dependent chromatin remodeling: genetics, genomics and mechanisms. Cell Research, 2011, 21, 396-420.	5.7	765
47	Engineering the ABA Plant Stress Pathway for Regulation of Induced Proximity. Science Signaling, 2011, 4, rs2.	1.6	210
48	esBAF facilitates pluripotency by conditioning the genome for LIF/STAT3 signalling and by regulating polycomb function. Nature Cell Biology, 2011, 13, 903-913.	4.6	238
49	Chromatin remodelling during development. Nature, 2010, 463, 474-484.	13.7	936
50	FK506-binding protein (FKBP) partitions a modified HIV protease inhibitor into blood cells and prolongs its lifetime in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1336-1341.	3.3	25
51	An embryonic stem cell chromatin remodeling complex, esBAF, is an essential component of the core pluripotency transcriptional network. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5187-5191.	3.3	374
52	ATP-dependent chromatin remodeling in neural development. Current Opinion in Neurobiology, 2009, 19, 120-126.	2.0	128
53	MicroRNA-mediated switching of chromatin-remodelling complexes in neural development. Nature, 2009, 460, 642-646.	13.7	557
54	The early heart remodelled. Nature, 2009, 459, 654-655.	13.7	9

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55	An embryonic stem cell chromatin remodeling complex, esBAF, is essential for embryonic stem cell self-renewal and pluripotency. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5181-5186.	3.3	515
56	Understanding the Words of Chromatin Regulation. Cell, 2009, 136, 200-206.	13.5	320
57	SnapShot: Ca2+-Calcineurin-NFATSignaling. Cell, 2009, 138, 210-210.e1.	13.5	90
58	Bursting into the Nucleus. Science Signaling, 2008, 1, pe54.	1.6	8
59	An Essential Switch in Subunit Composition of a Chromatin Remodeling Complex during Neural Development. Neuron, 2007, 55, 201-215.	3.8	647
60	Regulation of Dendritic Development by Neuron-Specific Chromatin Remodeling Complexes. Neuron, 2007, 56, 94-108.	3.8	346
61	Chemical rescue of cleft palate and midline defects in conditional GSK-3Î² mice. Nature, 2007, 446, 79-82.	13.7	126
62	Calcineurin/NFAT Signaling in Development and Function of the Nervous System. , 2006, , 353-378.		3
63	Rapamycin Analogs with Differential Binding Specificity Permit Orthogonal Control of Protein Activity. Chemistry and Biology, 2006, 13, 99-107.	6.2	171
64	IMMUNOLOGY: Decoding Calcium Signaling. Science, 2005, 307, 56-57.	6.0	21
65	Harnessing Chaperones to Generate Small-Molecule Inhibitors of Amyloid Â Aggregation. Science, 2004, 306, 865-869.	6.0	198
66	Sequential Roles of Brg, the ATPase Subunit of BAF Chromatin Remodeling Complexes, in Thymocyte Development. Immunity, 2003, 19, 169-182.	6.6	153
67	Conditional Protein Alleles Using Knockin Mice and a Chemical Inducer of Dimerization. Molecular Cell, 2003, 12, 1615-1624.	4.5	127
68	Nuclear Actin and Actin-Related Proteins in Chromatin Remodeling. Annual Review of Biochemistry, 2002, 71, 755-781.	5.0	379
69	NFAT Signaling. Cell, 2002, 109, S67-S79.	13.5	1,224
70	Regulation of the regulators. Nature, 2000, 408, 46-47.	13.7	12
71	Chemically Regulated Transcription Factors Reveal the Persistence of Repressor-resistant Transcription after Disrupting Activator Function. Journal of Biological Chemistry, 2000, 275, 25381-25390.	1.6	11
72	A Brg1 Null Mutation in the Mouse Reveals Functional Differences among Mammalian SWI/SNF Complexes. Molecular Cell, 2000, 6, 1287-1295.	4.5	743

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73	L-type calcium channels and GSK-3 regulate the activity of NF-ATc4 in hippocampal neurons. Nature, 1999, 401, 703-708.	13.7	486
74	Rapid and Phosphoinositol-Dependent Binding of the SWI/SNF-like BAF Complex to Chromatin after T Lymphocyte Receptor Signaling. Cell, 1998, 95, 625-636.	13.5	683
75	DIMERIZATION AS A REGULATORY MECHANISM IN SIGNAL TRANSDUCTION. Annual Review of Immunology, 1998, 16, 569-592.	9.5	308
76	Characterization ofSaccharomyces cerevisiae dna2Mutants Suggests a Role for the Helicase Late in S Phase. Molecular Biology of the Cell, 1997, 8, 2519-2537.	0.9	58
77	Unusual Rel-like architecture in the DNA-binding domain of the transcription factor NFATc. Nature, 1997, 385, 172-176.	13.7	103
78	Rapid targeting of nuclear proteins to the cytoplasm. Current Biology, 1997, 7, 638-644.	1.8	108
79	Functional analysis of Fas signaling in vivo using synthetic inducers of dimerization. Current Biology, 1996, 6, 839-847.	1.8	143
80	Controlling programmed cell death with a cyclophilincyclosporin-based chemical inducer of dimerization. Chemistry and Biology, 1996, 3, 731-738.	6.2	85
81	Dimeric ligands define a role for transcriptional activation domains in reinitiation. Nature, 1996, 382, 822-826.	13.7	264
82	Rapid shuttling of NF-AT in discrimination of Ca2+ signals and immunosuppression. Nature, 1996, 383, 837-840.	13.7	497
83	TOR kinase domains are required for two distinct functions, only one of which is inhibited by rapamycin. Cell, 1995, 82, 121-130.	13.5	283
84	Proximity versus allostery: the role of regulated protein dimerization in biology. Chemistry and Biology, 1994, 1, 131-136.	6.2	80
85	Mechanistic studies of a signaling pathway activated by the organic dimerizer FK1012. Chemistry and Biology, 1994, 1, 163-172.	6.2	61
86	Interleukin-2-mediated elimination of the p27Kipl cyclin-dependent kinase inhibitor prevented by rapamycin. Nature, 1994, 372, 570-573.	13.7	911
87	NF-AT components define a family of transcription factors targeted in T-cell activation. Nature, 1994, 369, 497-502.	13.7	572
88	BRG1 contains a conserved domain of the SWI2/SNF2 family necessary for normal mitotic growth and transcription. Nature, 1993, 366, 170-174.	13.7	625
89	A transcriptional hierarchy involved in mammalian cell-type specification. Nature, 1992, 355, 457-461.	13.7	419
90	Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation. Nature, 1992, 357, 695-697.	13.7	1,585

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91	Rapamycin selectively inhibits interleukin-2 activation of p70 S6 kinase. Nature, 1992, 358, 70-73.	13.7	612
92	The mechanism of action of cyclosporin A and FK506. Trends in Immunology, 1992, 13, 136-142.	7.5	2,114
93	Nuclear association of a T-cell transcription factor blocked by FK-506 and cyclosporin A. Nature, 1991, 352, 803-807.	13.7	1,055
94	Control of the early activation genes of T lymphocytes. BioEssays, 1986, 5, 220-222.	1.2	0
95	Defining CBX7-Dependent Chromatin Architecture with Rapid Small-Molecule Inhibition. SSRN Electronic Journal, 0, , .	0.4	0