Craig H Bassing

List of Publications by Year
in descending order

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79 papers	5,575 citations	147801 31 h-index	79698 73 g-index
111 all docs	111 docs citations	111 times ranked	5053 citing authors

#	Article	IF	Citations
1	Nemo-Dependent, ATM-Mediated Signals from RAG DNA Breaks at <i>Igk</i> Feedback Inhibit <i>V</i> <i>Îº</i> Recombination to Enforce IgÎº Allelic Exclusion. Journal of Immunology, 2022, 208, 371-383.	0.8	4
2	Poor-Quality VÎ² Recombination Signal Sequences and the DNA Damage Response ATM Kinase Collaborate to Establish TCRÎ² Gene Repertoire and Allelic Exclusion. Journal of Immunology, 2022, 208, 2583-2592.	0.8	2
3	Monogenic TCRÎ² Assembly and Expression Are Paramount for Uniform Antigen Receptor Specificity of Individual Î±Î² T Lymphocytes. Journal of Immunology, 2022, 209, 93-98.	0.8	1
4	The RAG1 N-terminal region regulates the efficiency and pathways of synapsis for V(D)J recombination. Journal of Experimental Medicine, 2021, 218, .	8.5	13
5	Two Successive Inversional VÎ² Rearrangements on a Single <i>Tcrb</i> Allele Can Contribute to the TCRÎ² Repertoire. Journal of Immunology, 2020, 204, 78-86.	0.8	10
6	Inefficient V(D)J recombination underlies monogenic T cell receptor Î² expression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18172-18174.	7.1	13
7	Poor quality VÎ² recombination signal sequences stochastically enforce TCRÎ² allelic exclusion. Journal of Experimental Medicine, 2020, 217, .	8.5	15
8	Genome Topology Control of Antigen Receptor Gene Assembly. Journal of Immunology, 2020, 204, 2617-2626.	0.8	5
9	DNA double-strand breaks induce H2Ax phosphorylation domains in a contact-dependent manner. Nature Communications, 2020, 11, 3158.	12.8	97
10	A Spontaneous RAG1 Nonsense Mutation Unveils Naturally Occurring N-Terminal Truncated RAG1 Isoforms. ImmunoHorizons, 2020, 4, 119-128.	1.8	0
11	From RAG2 to T Cell Riches and Future Fortunes. Journal of Immunology, 2019, 202, 1315-1316.	0.8	1
12	Flip the switch: BTG2â€"PRMT1 protein complexes antagonize pre-B-cell proliferation to promote B-cell development. Cellular and Molecular Immunology, 2018, 15, 808-811.	10.5	4
13	The ESCRT protein CHMP5 escorts Î±Î² T cells through positive selection. Cellular and Molecular Immunology, 2018, 15, 654-656.	10.5	1
14	Immature Lymphocytes Inhibit <i>Rag1</i> and <i>Rag2</i> Transcription and V(D)J Recombination in Response to DNA Double-Strand Breaks. Journal of Immunology, 2017, 198, 2943-2956.	0.8	24
15	V(D)J Recombination Exploits DNA Damage Responses to Promote Immunity. Trends in Genetics, 2017, 33, 479-489.	6.7	25
16	Genomic Alterations of Non-Coding Regions Underlie Human Cancer: Lessons from T-ALL. Trends in Molecular Medicine, 2016, 22, 1035-1046.	6.7	12
17	Lymphocyte lineage-specific and developmental stage specific mechanisms suppress cyclin D3 expression in response to DNA double strand breaks. Cell Cycle, 2016, 15, 2882-2894.	2.6	18
18	Defining ATM-Independent Functions of the Mre11 Complex with a Novel Mouse Model. Molecular Cancer Research, 2016, 14, 185-195.	3.4	9

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19	RAG-mediated DNA double-strand breaks activate a cell typeâ€“specific checkpoint to inhibit preâ€“B cell receptor signals. Journal of Experimental Medicine, 2016, 213, 209-223.	8.5	47
20	B Cellâ€“Intrinsic Expression of the HuR RNA-Binding Protein Is Required for the T Cellâ€“Dependent Immune Response In Vivo. Journal of Immunology, 2015, 195, 3449-3462.	0.8	24
21	Domain-Specific and Stage-Intrinsic Changes in <i>Tcrb</i> Conformation during Thymocyte Development. Journal of Immunology, 2015, 195, 1262-1272.	0.8	11
22	Regulation of Tcrb Gene Assembly by Genetic, Epigenetic, and Topological Mechanisms. Advances in Immunology, 2015, 128, 273-306.	2.2	27
23	Somatic inactivation of ATM in hematopoietic cells predisposes mice to cyclin D3 dependent T cell acute lymphoblastic leukemia. Cell Cycle, 2015, 14, 388-398.	2.6	3
24	Lineage-specific compaction of <i>Tcrb</i> requires a chromatin barrier to protect the function of a long-range tethering element. Journal of Experimental Medicine, 2015, 212, 107-120.	8.5	54
25	To Îº+ B or not to Îº+ B. Nature Immunology, 2015, 16, 1007-1009.	14.5	0
26	<i>TcrÎ´</i>translocations that delete the<i>Bcl11b</i>haploinsufficient tumor suppressor gene promote atm-deficient T cell acute lymphoblastic leukemia. Cell Cycle, 2014, 13, 3076-3082.	2.6	9
27	The microRNA Biogenesis Machinery Modulates Lineage Commitment during Î±Î² T Cell Development. Journal of Immunology, 2014, 193, 4032-4042.	0.8	11
28	Noncore RAG1 Regions Promote VÎ² Rearrangements and Î±Î² T Cell Development by Overcoming Inherent Inefficiency of VÎ² Recombination Signal Sequences. Journal of Immunology, 2014, 192, 1609-1619.	0.8	12
29	The Ataxia Telangiectasia Mutated and Cyclin D3 Proteins Cooperate To Help Enforce TCRÎ² and IgH Allelic Exclusion. Journal of Immunology, 2014, 193, 2881-2890.	0.8	22
30	Somatic inactivation of Tp53 in hematopoietic stem cells or thymocytes predisposes mice to thymic lymphomas with clonal translocations. Cell Cycle, 2013, 12, 3307-3316.	2.6	10
31	The Ataxia Telangiectasia mutated kinase controls IgÎº allelic exclusion by inhibiting secondary <i>VÎº</i>-to-<i>JÎº</i> rearrangements. Journal of Experimental Medicine, 2013, 210, 233-239.	8.5	42
32	Peripheral subnuclear positioning suppresses <i>Tcrb</i> recombination and segregates <i>Tcrb</i> alleles from RAG2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4628-37.	7.1	27
33	Redundant and Nonredundant Functions of ATM and H2AX in Î±Î² T-Lineage Lymphocytes. Journal of Immunology, 2012, 189, 1372-1379.	0.8	10
34	Deletion of Atm in the Hematopoetic Stem Cell As a Mouse Model for Human T Cell Acute Lymphoblastic Leukemia/Lymphoma.. Blood, 2012, 120, 2418-2418.	1.4	0
35	Cellular context-dependent effects of H2ax and p53 deletion on the development of thymic lymphoma. Blood, 2011, 117, 175-185.	1.4	8
36	H2AX prevents CtIP-mediated DNA end resection and aberrant repair in G1-phase lymphocytes. Nature, 2011, 469, 245-249.	27.8	131

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37	Repair of Chromosomal RAG-Mediated DNA Breaks by Mutant RAG Proteins Lacking Phosphatidylinositol 3-Like Kinase Consensus Phosphorylation Sites. Journal of Immunology, 2011, 187, 1826-1834.	0.8	18
38	Differential Regulation of Proximal and Distal VÎ² Segments Upstream of a Functional VDJÎ²1 Rearrangement upon Î²-Selection. Journal of Immunology, 2011, 187, 3277-3285.	0.8	8
39	Ataxia telangiectasia mutated (Atm) and DNA-PKcs kinases have overlapping activities during chromosomal signal joint formation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2022-2027.	7.1	58
40	Antigen Receptor Allelic Exclusion: An Update and Reappraisal. Journal of Immunology, 2010, 185, 3801-3808.	0.8	119
41	ATM-deficient thymic lymphoma is associated with aberrant <i>tcrd</i> rearrangement and gene amplification. Journal of Experimental Medicine, 2010, 207, 1369-1380.	8.5	74
42	Position-Dependent Silencing of Germline VÎ² Segments on TCRÎ² Alleles Containing Preassembled VÎ²DJÎ²CÎ²1 Genes. Journal of Immunology, 2010, 185, 3564-3573.	0.8	17
43	Posttranscriptional Silencing of VÎ²DJÎ²CÎ² Genes Contributes to TCRÎ² Allelic Exclusion in Mammalian Lymphocytes. Journal of Immunology, 2010, 185, 1055-1062.	0.8	22
44	TCRÎ² Feedback Signals Inhibit the Coupling of Recombinationally Accessible VÎ²14 Segments with DJÎ² Complexes. Journal of Immunology, 2010, 184, 1369-1378.	0.8	19
45	Deciphering the DNA damage histone code. Cell Cycle, 2010, 9, 3842-3847.	2.6	6
46	Assembled DJÎ² Complexes Influence TCRÎ² Chain Selection and Peripheral VÎ² Repertoire. Journal of Immunology, 2009, 182, 5586-5595.	0.8	11
47	Aberrantly resolved RAG-mediated DNA breaks in Atm-deficient lymphocytes target chromosomal breakpoints in<i>cis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18339-18344.	7.1	37
48	V(D)J recombination causes dangerous chromosome liaisons in developing thymocytes. Cell Cycle, 2009, 8, 2484-2488.	2.6	1
49	Chipping away at Î³-H2AX foci. Cell Cycle, 2009, 8, 3285-3290.	2.6	8
50	Histone H2AX stabilizes broken DNA strands to suppress chromosome breaks and translocations during V(D)J recombination. Journal of Experimental Medicine, 2009, 206, 2625-2639.	8.5	55
51	RAG-1 and ATM coordinate monoallelic recombination and nuclear positioning of immunoglobulin loci. Nature Immunology, 2009, 10, 655-664.	14.5	130
52	Formation of Dynamic Î³-H2AX Domains along Broken DNA Strands Is Distinctly Regulated by ATM and MDC1 and Dependent upon H2AX Densities in Chromatin. Molecular Cell, 2009, 34, 298-310.	9.7	169
53	The sticky business of histone H2AX in V(D)J recombination, maintenance of genomic stability, and suppression of lymphoma. Immunologic Research, 2008, 42, 29-40.	2.9	9
54	VÎ² cluster sequences reduce the frequency of primary VÎ²2 and VÎ²14 rearrangements. European Journal of Immunology, 2008, 38, 2564-2572.	2.9	12

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55	DNA double-strand breaks activate a multi-functional genetic program in developing lymphocytes. Nature, 2008, 456, 819-823.	27.8	137
56	Foxos around make B cells tolerable. Nature Immunology, 2008, 9, 586-588.	14.5	2
57	Genotoxic Stress-Induced Cyclin D1 Phosphorylation and Proteolysis Are Required for Genomic Stability. Molecular and Cellular Biology, 2008, 28, 7245-7258.	2.3	64
58	Productive Coupling of Accessible VÎ²14 Segments and DJÎ² Complexes Determines the Frequency of VÎ²14 Rearrangement. Journal of Immunology, 2008, 180, 2339-2346.	0.8	20
59	Aberrant V(D)J Recombination in Ataxia Telangiectasia Mutated-Deficient Lymphocytes Is Dependent on Nonhomologous DNA End Joining. Journal of Immunology, 2008, 181, 2620-2625.	0.8	42
60	Complementary functions of ATM and H2AX in development and suppression of genomic instability. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9302-9306.	7.1	105
61	Aberrant V(D)J recombination is not required for rapid development of H2ax/p53-deficient thymic lymphomas with clonal translocations. Blood, 2008, 111, 2163-2169.	1.4	16
62	Defects in coding joint formation in vivo in developing ATM-deficient B and T lymphocytes. Journal of Experimental Medicine, 2007, 204, 1371-1381.	8.5	57
63	Restriction of endogenous T cell antigen receptor beta rearrangements to Vbeta14 through selective recombination signal sequence modifications. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4002-4007.	7.1	17
64	H2AX Prevents DNA Breaks from Progressing to Chromosome Breaks and Translocations. Molecular Cell, 2006, 21, 201-214.	9.7	258
65	ATM stabilizes DNA double-strand-break complexes during V(D)J recombination. Nature, 2006, 442, 466-470.	27.8	366
66	Activating Notch1 Mutations in Mouse Models of T-ALL.. Blood, 2005, 106, 2609-2609.	1.4	2
67	HIF-1: A Target For Cancer, Ischemia and Inflammationâ€"Too Good to be True?. Cell Cycle, 2004, 3, 149-150.	2.6	231
68	H2AX May Function as an Anchor to Hold Broken Chromosomal DNA Ends in Close Proximity. Cell Cycle, 2004, 3, 147-148.	2.6	151
69	The cellular response to general and programmed DNA double strand breaks. DNA Repair, 2004, 3, 781-796.	2.8	279
70	Control of Sister Chromatid Recombination by Histone H2AX. Molecular Cell, 2004, 16, 1017-1025.	9.7	191
71	Chromatin dynamics and locus accessibility in the immune system. Nature Immunology, 2003, 4, 603-606.	14.5	50
72	Histone H2AX. Cell, 2003, 114, 359-370.	28.9	464

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73	Extrachromosomal Recombination Substrates Recapitulate beyond 12/23 Restricted V(D)J Recombination in Nonlymphoid Cells. Immunity, 2003, 18, 65-74.	14.3	62
74	Dramatically Increased Rearrangement and Peripheral Representation of VÎ²14 Driven by the 3â€²DÎ²1 Recombination Signal Sequence. Immunity, 2003, 18, 75-85.	14.3	47
75	Impaired V(D)J Recombination and Lymphocyte Development in Core RAG1-expressing Mice. Journal of Experimental Medicine, 2003, 198, 1439-1450.	8.5	70
76	T cell receptor (TCR) Â/Â locus enhancer identity and position are critical for the assembly of TCR Â and Â variable region genes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2598-2603.	7.1	31
77	Increased ionizing radiation sensitivity and genomic instability in the absence of histone H2AX. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8173-8178.	7.1	492
78	The Mechanism and Regulation of Chromosomal V(D)J Recombination. Cell, 2002, 109, S45-S55.	28.9	787
79	Recombination signal sequences restrict chromosomal V(D)J recombination beyond the 12/23 rule. Nature, 2000, 405, 583-586.	27.8	158