

Justin J King

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

588
citations

15
h-index

24
g-index

30
ext. papers

746
ext. citations

6.6
avg, IF

3.94
L-index

#	Paper	IF	Citations
30	The optimal pH of AID is skewed from that of its catalytic pocket by DNA-binding residues and surface charge. <i>Biochemical Journal</i> , 2021 ,	3.8	1
29	Evolutionary Comparative Analyses of DNA-Editing Enzymes of the Immune System: From 5-Dimensional Description of Protein Structures to Immunological Insights and Applications to Protein Engineering. <i>Frontiers in Immunology</i> , 2021 , 12, 642343	8.4	1
28	Structure-Based Design of First-Generation Small Molecule Inhibitors Targeting the Catalytic Pockets of AID, APOBEC3A, and APOBEC3B. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1390-1407	5.0	1
27	Structural plasticity of substrate selection by activation-induced cytidine deaminase as a regulator of its genome-wide mutagenic activity. <i>FEBS Letters</i> , 2021 , 595, 3-13	3.8	3
26	Activation-induced cytidine deaminase can target multiple topologies of double-stranded DNA in a transcription-independent manner. <i>FASEB Journal</i> , 2020 , 34, 9245-9268	0.9	6
25	AID, APOBEC3A and APOBEC3B efficiently deaminate deoxycytidines neighboring DNA damage induced by oxidation or alkylation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 129415	4	6
24	Characterization and Transcript Expression Analyses of Atlantic Cod. <i>Frontiers in Immunology</i> , 2019 , 10, 311	8.4	10
23	<i>Pichia pastoris</i> as a host for production and isolation of mutagenic AID/APOBEC enzymes involved in cancer and immunity. <i>New Biotechnology</i> , 2019 , 51, 67-79	6.4	4
22	APOBEC3G Regulation of the Evolutionary Race Between Adaptive Immunity and Viral Immune Escape Is Deeply Imprinted in the HIV Genome. <i>Frontiers in Immunology</i> , 2018 , 9, 3032	8.4	3
21	Expansions, diversification, and interindividual copy number variations of AID/APOBEC family cytidine deaminase genes in lampreys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3211-E3220	11.5	15
20	A licensing step links AID to transcription elongation for mutagenesis in B cells. <i>Nature Communications</i> , 2018 , 9, 1248	17.4	15
19	Enhancement of Cancer-Specific Protoporphyrin IX Fluorescence by Targeting Oncogenic Ras/MEK Pathway. <i>Theranostics</i> , 2018 , 8, 2134-2146	12.1	26
18	DNA/RNA hybrid substrates modulate the catalytic activity of purified AID. <i>Molecular Immunology</i> , 2018 , 93, 94-106	4.3	15
17	Viral subversion of APOBEC3s: Lessons for anti-tumor immunity and tumor immunotherapy. <i>International Reviews of Immunology</i> , 2018 , 37, 151-164	4.6	7
16	Evasion of adaptive immunity by HIV through the action of host APOBEC3G/F enzymes. <i>AIDS Research and Therapy</i> , 2017 , 14, 44	3	16
15	Biochemical Regulatory Features of Activation-Induced Cytidine Deaminase Remain Conserved from Lampreys to Humans. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	16
14	A Novel Regulator of Activation-Induced Cytidine Deaminase/APOBECs in Immunity and Cancer: Schrödinger's Catalytic Pocket. <i>Frontiers in Immunology</i> , 2017 , 8, 351	8.4	29

13	Catalytic pocket inaccessibility of activation-induced cytidine deaminase is a safeguard against excessive mutagenic activity. <i>Structure</i> , 2015 , 23, 615-27	5.2	25
12	Impact of APOBEC Mutations on CD8+ T Cell Recognition of HIV Epitopes Varies Depending on the Restricting HLA. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2015 , 70, 172-8	3.1	17
11	Positioning of APOBEC3G/F mutational hotspots in the human immunodeficiency virus genome favors reduced recognition by CD8+ T cells. <i>PLoS ONE</i> , 2014 , 9, e93428	3.7	33
10	Zebrafish AID is capable of deaminating methylated deoxycytidines. <i>Nucleic Acids Research</i> , 2013 , 41, 5457-68	20.1	30
9	Differences in the enzymatic efficiency of human and bony fish AID are mediated by a single residue in the C terminus modulating single-stranded DNA binding. <i>FASEB Journal</i> , 2012 , 26, 1517-25	0.9	20
8	Emerging complexities of APOBEC3G action on immunity and viral fitness during HIV infection and treatment. <i>Retrovirology</i> , 2012 , 9, 35	3.6	27
7	The biochemistry of activation-induced deaminase and its physiological functions. <i>Seminars in Immunology</i> , 2012 , 24, 255-63	10.7	23
6	AID associates with single-stranded DNA with high affinity and a long complex half-life in a sequence-independent manner. <i>Molecular and Cellular Biology</i> , 2007 , 27, 20-30	4.8	69
5	Single-stranded DNA structure and positional context of the target cytidine determine the enzymatic efficiency of AID. <i>Molecular and Cellular Biology</i> , 2007 , 27, 8038-48	4.8	46
4	Methylation protects cytidines from AID-mediated deamination. <i>Molecular Immunology</i> , 2005 , 42, 599-604	4.3	64
3	The mutation spectrum of purified AID is similar to the mutability index in Ramos cells and in ung(-/-)msh2(-/-) mice. <i>Immunogenetics</i> , 2005 , 56, 840-5	3.2	52
2	Lack of MSH2 involvement differentiates V(D)J recombination from other non-homologous end joining events. <i>Nucleic Acids Research</i> , 2005 , 33, 6733-42	20.1	7
1	Identity of IGHV-7183.1 (V81x) coding and recombination signal sequences among wild-derived mice. <i>Immunogenetics</i> , 2001 , 53, 54-8	3.2	1