F Nina Papavasiliou

List of Publications by Year
in descending order

68	7,964	109321 35	114465 63
papers	citations	h-index	g-index

79	79	79	11594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. Cell, 2007, 129, 1401-1414.	28.9	3,390
2	MicroRNA-155 Is a Negative Regulator of Activation-Induced Cytidine Deaminase. Immunity, 2008, 28, 621-629.	14.3	410
3	AID Mediates Hypermutation by Deaminating Single Stranded DNA. Journal of Experimental Medicine, 2003, 197, 1291-1296.	8.5	406
4	Cell-cycle-regulated DNA double-strand breaks in somatic hypermutation of immunoglobulin genes. Nature, 2000, 408, 216-221.	27.8	250
5	Regulation of AID expression in the immune response. Journal of Experimental Medicine, 2007, 204, 1145-1156.	8.5	229
6	Immunoglobulin Somatic Hypermutation. Annual Review of Genetics, 2007, 41, 107-120.	7.6	224
7	Transcriptome-wide sequencing reveals numerous APOBEC1 mRNA-editing targets in transcript 3â€² UTRs. Nature Structural and Molecular Biology, 2011, 18, 230-236.	8.2	217
8	Somatic Hypermutation of Immunoglobulin Genes. Cell, 2002, 109, S35-S44.	28.9	201
9	MicroRNAs of the immune system. Annals of the New York Academy of Sciences, 2010, 1183, 183-194.	3.8	149
10	A yeast-endonuclease-generated DNA break induces antigenic switching in Trypanosoma brucei. Nature, 2009, 459, 278-281.	27.8	135
11	The in vivo dynamics of antigenic variation in Trypanosoma brucei. Science, 2015, 347, 1470-1473.	12.6	134
12	Cytidine deaminases: AIDing DNA demethylation?. Genes and Development, 2010, 24, 2107-2114.	5.9	109
13	The Activation-induced Deaminase Functions in a Postcleavage Step of the Somatic Hypermutation Process. Journal of Experimental Medicine, 2002, 195, 1193-1198.	8.5	106
14	Functions and consequences of AID/APOBEC-mediated DNA and RNA deamination. Nature Reviews Genetics, 2022, 23, 505-518.	16.3	103
15	A Role for Activation-Induced Cytidine Deaminase in the Host Response against a Transforming Retrovirus. Immunity, 2006, 24, 779-786.	14.3	96
16	A Role for Autophagic Protein Beclin 1 Early in Lymphocyte Development. Journal of Immunology, 2011, 186, 2201-2209.	0.8	96
17	A coming-of-age story: activation-induced cytidine deaminase turns 10. Nature Immunology, 2009, 10, 1147-1153.	14.5	92
18	An adenosine-to-inosine tRNA-editing enzyme that can perform C-to-U deamination of DNA. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7821-7826.	7.1	89

#	Article	IF	Citations
19	DNA Methylation Dynamics of Germinal Center B Cells Are Mediated by AID. Cell Reports, 2015, 12, 2086-2098.	6.4	87
20	Masters of Disguise: Antigenic Variation and the VSG Coat in Trypanosoma brucei. PLoS Pathogens, 2016, 12, e1005784.	4.7	82
21	MicroRNA control of lymphocyte differentiation and function. Current Opinion in Immunology, 2011, 23, 368-373.	5.5	71
22	Telomere Length Affects the Frequency and Mechanism of Antigenic Variation in Trypanosoma brucei. PLoS Pathogens, 2012, 8, e1002900.	4.7	69
23	The Transcription Elongation Complex Directs Activation-Induced Cytidine Deaminase-Mediated DNA Deamination. Molecular and Cellular Biology, 2006, 26, 4378-4385.	2.3	64
24	Pseudouridylation meets next-generation sequencing. Methods, 2016, 107, 63-72.	3.8	60
25	Switch recombination and somatic hypermutation are controlled by the heavy chain 3â€² enhancer region. Journal of Experimental Medicine, 2009, 206, 2613-2623.	8.5	58
26	Bromodomain Proteins Contribute to Maintenance of Bloodstream Form Stage Identity in the African Trypanosome. PLoS Biology, 2015, 13, e1002316.	5.6	58
27	Variant surface glycoprotein density defines an immune evasion threshold for African trypanosomes undergoing antigenic variation. Nature Communications, 2017, 8, 828.	12.8	56
28	A comprehensive analysis of the effects of the deaminase AID on the transcriptome and methylome of activated B cells. Nature Immunology, 2013, 14, 749-755.	14.5	55
29	Base J and H3.V Regulate Transcriptional Termination in Trypanosoma brucei. PLoS Genetics, 2016, 12, e1005762.	3.5	54
30	Solubility-based genetic screen identifies RING finger protein 126 as an E3 ligase for activation-induced cytidine deaminase. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1029-1034.	7.1	53
31	RNA editing generates cellular subsets with diverse sequence within populations. Nature Communications, 2016, 7, 12145.	12.8	48
32	Diverse functions for DNA and RNA editing in the immune system. RNA Biology, 2010, 7, 220-228.	3.1	47
33	African trypanosomes evade immune clearance by O-glycosylation of the VSG surface coat. Nature Microbiology, 2018, 3, 932-938.	13.3	47
34	RNA Editors, Cofactors, and mRNA Targets: An Overview of the C-to-U RNA Editing Machinery and Its Implication in Human Disease. Genes, 2019, 10, 13.	2.4	47
35	Viral induction of AID is independent of the interferon and the Toll-like receptor signaling pathways but requires NF-ÎºB. Journal of Experimental Medicine, 2007, 204, 259-265.	8.5	46
36	Beyond SHM and CSR: AID and Related Cytidine Deaminases in the Host Response to Viral Infection. Advances in Immunology, 2007, 94, 215-244.	2.2	38

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37	A New Chapter in Genetic Medicine: RNA Editing and its Role in Disease Pathogenesis. Trends in Molecular Medicine, 2018, 24, 294-303.	6.7	35
38	Loss of APOBEC1 RNA-editing function in microglia exacerbates age-related CNS pathophysiology. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13272-13277.	7.1	34
39	A Conserved DNA Repeat Promotes Selection of a Diverse Repertoire of Trypanosoma brucei Surface Antigens from the Genomic Archive. PLoS Genetics, 2016, 12, e1005994.	3.5	34
40	Epitranscriptomic profiling across cell types reveals associations between APOBEC1-mediated RNA editing, gene expression outcomes, and cellular function. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13296-13301.	7.1	33
41	Emerging challenges in understanding trypanosome antigenic variation. Emerging Topics in Life Sciences, 2017, 1, 585-592.	2.6	29
42	MTA2/NuRD Regulates B Cell Development and Cooperates with OCA-B in Controlling the Pre-B to Immature B Cell Transition. Cell Reports, 2019, 28, 472-485.e5.	6.4	28
43	Functional insights from a surface antigen mRNA-bound proteome. ELife, 2021, 10, .	6.0	28
44	SARS-CoV-2 variant evolution in the United States: High accumulation of viral mutations over time likely through serial Founder Events and mutational bursts. PLoS ONE, 2021, 16, e0255169.	2.5	28
45	The regulation of somatic hypermutation. Current Opinion in Immunology, 2004, 16, 241-245.	5.5	24
46	C to U editing at position 32 of the anticodon loop precedes tRNA 5' leader removal in trypanosomatids. Nucleic Acids Research, 2007, 35, 6740-6749.	14.5	24
47	The C-terminal end of the Trypanosoma brucei editing deaminase plays a critical role in tRNA binding. Rna, 2011, 17, 1296-1306.	3.5	20
48	Mechanistic Similarities between Antigenic Variation and Antibody Diversification during Trypanosoma brucei Infection. Trends in Parasitology, 2019, 35, 302-315.	3.3	20
49	Structure of trypanosome coat protein VSGsur and function in suramin resistance. Nature Microbiology, 2021, 6, 392-400.	13.3	20
50	A Single Zinc Ion Is Sufficient for an Active Trypanosoma brucei tRNA Editing Deaminase. Journal of Biological Chemistry, 2011, 286, 20366-20374.	3.4	18
51	Inducible Germline IgMs Bridge Trypanosome Lytic Factor Assembly and Parasite Recognition. Cell Host and Microbe, 2020, 28, 79-88.e4.	11.0	18
52	A Hostâ€“Pathogen Interaction Reduced to First Principles: Antigenic Variation in T. brucei. Results and Problems in Cell Differentiation, 2015, 57, 23-46.	0.7	16
53	RNA Editing Dynamically Rewrites the Cancer Code. Trends in Cancer, 2015, 1, 211-212.	7.4	11
54	Harnessing self-labeling enzymes for selective and concurrent A-to-I and C-to-U RNA base editing. Nucleic Acids Research, 2021, 49, e95-e95.	14.5	11

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55	Nanobody-mediated macromolecular crowding induces membrane fission and remodeling in the African trypanosome. Cell Reports, 2021, 37, 109923.	6.4	11
56	Using T. brucei as a biological epitope-display platform to elicit specific antibody responses. Journal of Immunological Methods, 2010, 362, 190-194.	1.4	9
57	Vesicles as Vehicles for Virulence. Trends in Parasitology, 2016, 32, 435-436.	3.3	6
58	Epigenetic Modulators of Monocytic Function: Implication for Steady State and Disease in the CNS. Frontiers in Immunology, 2016, 6, 661.	4.8	5
59	C-to-U RNA Editing: From Computational Detection to Experimental Validation. Methods in Molecular Biology, 2021, 2181, 51-67.	0.9	4
60	Long Noncoding RNAs: Implications for Antigen Receptor Diversification. Advances in Immunology, 2009, 104, 25-50.	2.2	3
61	You break it, you fix it: functions for AID downstream of deamination. Nature Immunology, 2013, 14, 1112-1114.	14.5	2
62	Detection of Trypanosoma brucei Variant Surface Glycoprotein Switching by Magnetic Activated Cell Sorting and Flow Cytometry. Journal of Visualized Experiments, 2016, , .	0.3	2
63	The VEXing problem of monoallelic expression in the African trypanosome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7017-7019.	7.1	2
64	A Modified Digestionâ€Circularization PCR (DCâ€PCR) Approach to Detect Hypermutationâ€Associated DNA Doubleâ€Strand Breaks. Annals of the New York Academy of Sciences, 2003, 987, 135-139.	3.8	0
65	Transfer RNA Editing Enzymes; At the Crossroads of Affinity and Specificity. , 0, , 121-145.		0
66	MicroRNA-155 Modulates Transforming Growth Factor-Î² Signaling In Chronic Lymphocytic Leukemia through Targeting of Casein Kinase Î³ Isoform 2. Blood, 2010, 116, 3584-3584.	1.4	0
67	Inducible Natural IgMs Bridge Trypanosome Lytic Factor Assembly and Parasite Recognition. SSRN Electronic Journal, 0, , .	0.4	0
68	ADAR1 Drives Disease Progression in Multiple Myeloma By Acting Both As an RNA Editor of Specific Transcripts and As a DNA Mutator of Their Cognate Genes. Blood, 2019, 134, 3092-3092.	1.4	0