

# Linda Chelico

## List of Publications by Year in descending order

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50  
papers

2,076  
citations

236925

25  
h-index

254184

43  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1479  
citing authors

#	ARTICLE	IF	CITATIONS
1	APOBEC3G DNA deaminase acts processively 3' to 5' on single-stranded DNA. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 392-399.	8.2	263
2	Crystal structure of the anti-viral APOBEC3G catalytic domain and functional implications. <i>Nature</i> , 2008, 456, 121-124.	27.8	213
3	The DNA cytosine deaminase APOBEC3H haplotype I likely contributes to breast and lung cancer mutagenesis. <i>Nature Communications</i> , 2016, 7, 12918.	12.8	146
4	Structural Model for Deoxycytidine Deamination Mechanisms of the HIV-1 Inactivation Enzyme APOBEC3G. <i>Journal of Biological Chemistry</i> , 2010, 285, 16195-16205.	3.4	114
5	Suppression of APOBEC3-mediated restriction of HIV-1 by Vif. <i>Frontiers in Microbiology</i> , 2014, 5, 450.	3.5	100
6	A Model for Oligomeric Regulation of APOBEC3G Cytosine Deaminase-dependent Restriction of HIV. <i>Journal of Biological Chemistry</i> , 2008, 283, 13780-13791.	3.4	90
7	Biochemical Analysis of Hypermutation by the Deoxycytidine Deaminase APOBEC3A. <i>Journal of Biological Chemistry</i> , 2012, 287, 30812-30822.	3.4	73
8	Intensity of Deoxycytidine Deamination of HIV-1 Proviral DNA by the Retroviral Restriction Factor APOBEC3G Is Mediated by the Noncatalytic Domain. <i>Journal of Biological Chemistry</i> , 2011, 286, 11415-11426.	3.4	62
9	Different Mutagenic Potential of HIV-1 Restriction Factors APOBEC3G and APOBEC3F Is Determined by Distinct Single-Stranded DNA Scanning Mechanisms. <i>PLoS Pathogens</i> , 2014, 10, e1004024.	4.7	60
10	Single-stranded DNA Scanning and Deamination by APOBEC3G Cytidine Deaminase at Single Molecule Resolution. <i>Journal of Biological Chemistry</i> , 2012, 287, 15826-15835.	3.4	53
11	A Single Nucleotide Polymorphism in Human APOBEC3C Enhances Restriction of Lentiviruses. <i>PLoS Pathogens</i> , 2016, 12, e1005865.	4.7	50
12	Understanding the structural basis of HIV-1 restriction by the full length double-domain APOBEC3G. <i>Nature Communications</i> , 2020, 11, 632.	12.8	48
13	Dissecting APOBEC3G Substrate Specificity by Nucleoside Analog Interference. <i>Journal of Biological Chemistry</i> , 2009, 284, 7047-7058.	3.4	46
14	Enzyme cycling contributes to efficient induction of genome mutagenesis by the cytidine deaminase APOBEC3B. <i>Nucleic Acids Research</i> , 2017, 45, 11925-11940.	14.5	44
15	Stochastic properties of processive cytidine DNA deaminases AID and APOBEC3G. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 583-593.	4.0	43
16	Deamination hotspots among APOBEC3 family members are defined by both target site sequence context and ssDNA secondary structure. <i>Nucleic Acids Research</i> , 2020, 48, 1353-1371.	14.5	42
17	Natural Polymorphisms and Oligomerization of Human APOBEC3H Contribute to Single-stranded DNA Scanning Ability. <i>Journal of Biological Chemistry</i> , 2015, 290, 27188-27203.	3.4	40
18	Cytidine deaminase efficiency of the lentiviral viral restriction factor APOBEC3C correlates with dimerization. <i>Nucleic Acids Research</i> , 2017, 45, 3378-3394.	14.5	38

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19	Biochemical Basis of APOBEC3 Deoxycytidine Deaminase Activity on Diverse DNA Substrates. ACS Infectious Diseases, 2018, 4, 224-238.	3.8	38
20	Retroviral Restriction Factor APOBEC3G Delays the Initiation of DNA Synthesis by HIV-1 Reverse Transcriptase. PLoS ONE, 2013, 8, e64196.	2.5	37
21	Dimerization regulates both deaminase-dependent and deaminase-independent HIV-1 restriction by APOBEC3G. Nature Communications, 2017, 8, 597.	12.8	37
22	Mechanism of Enhanced HIV Restriction by Virion Coencapsidated Cytidine Deaminases APOBEC3F and APOBEC3G. Journal of Virology, 2017, 91, .	3.4	36
23	Determinants of Efficient Degradation of APOBEC3 Restriction Factors by HIV-1 Vif. Journal of Virology, 2014, 88, 14380-14395.	3.4	32
24	Deamination-independent restriction of LINE-1 retrotransposition by APOBEC3H. Scientific Reports, 2017, 7, 10881.	3.3	31
25	HIV-1 Viral Infectivity Factor (Vif) Alters Processive Single-stranded DNA Scanning of the Retroviral Restriction Factor APOBEC3G*. Journal of Biological Chemistry, 2013, 288, 6083-6094.	3.4	29
26	The interesting relationship between APOBEC3 deoxycytidine deaminases and cancer: a long road ahead. Open Biology, 2020, 10, 200188.	3.6	27
27	Nucleotide excision repair and photoreactivation in the entomopathogenic fungi Beauveria bassiana, Beauveria brongniartii, Beauveria nivea, Metarhizium anisopliae, Paecilomyces farinosus and Verticillium lecanii. Journal of Applied Microbiology, 2006, 100, 964-972.	3.1	25
28	DNA deaminases AID and APOBEC3G act processively on single-stranded DNA. DNA Repair, 2007, 6, 689-692.	2.8	25
29	Mechanisms of APOBEC3G-catalyzed processive deamination of deoxycytidine on single-stranded DNA. Nature Structural and Molecular Biology, 2009, 16, 454-455.	8.2	25
30	Quantification of ultraviolet-C irradiation induced cyclobutane pyrimidine dimers and their removal in Beauveria bassiana conidiospore DNA. Mycologia, 2005, 97, 621-627.	1.9	18
31	Isolation and characterization of nucleotide excision repair deficient mutants of the entomopathogenic fungus, Beauveria bassiana. Journal of Invertebrate Pathology, 2008, 98, 93-100.	3.2	18
32	APOBEC1 cytosine deaminase activity on single-stranded DNA is suppressed by replication protein A. Nucleic Acids Research, 2021, 49, 322-339.	14.5	18
33	RNA-Mediated Dimerization of the Human Deoxycytidine Deaminase APOBEC3H Influences Enzyme Activity and Interaction with Nucleic Acids. Journal of Molecular Biology, 2018, 430, 4891-4907.	4.2	16
34	Examination of the APOBEC3 Barrier to Cross Species Transmission of Primate Lentiviruses. Viruses, 2021, 13, 1084.	3.3	16
35	HIV restriction factor APOBEC3G binds in multiple steps and conformations to search and deaminate single-stranded DNA. ELife, 2019, 8, .	6.0	16
36	Biochemical Basis of Immunological and Retroviral Responses to DNA-targeted Cytosine Deamination by Activation-induced Cytidine Deaminase and APOBEC3G. Journal of Biological Chemistry, 2009, 284, 27761-27765.	3.4	15

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37	Role of co-expressed APOBEC3F and APOBEC3G in inducing HIV-1 drug resistance. <i>Heliyon</i> , 2019, 5, e01498.	3.2	15
38	Single-nucleotide polymorphism of the DNA cytosine deaminase APOBEC3H haplotype I leads to enzyme destabilization and correlates with lung cancer. <i>NAR Cancer</i> , 2020, 2, zcaa023.	3.1	13
39	Polymorphisms of the cytidine deaminase APOBEC3F have different HIV-1 restriction efficiencies. <i>Virology</i> , 2019, 527, 21-31.	2.4	11
40	APOBEC3 Host Restriction Factors of HIV-1 Can Change the Template Switching Frequency of Reverse Transcriptase. <i>Journal of Molecular Biology</i> , 2019, 431, 1339-1352.	4.2	10
41	Permeabilization of <i>Beauveria bassiana</i> blastospores for in situ enzymatic assays. <i>Mycologia</i> , 2003, 95, 976-981.	1.9	6
42	Structure of Ddi2, a highly inducible detoxifying metalloenzyme from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 10674-10685.	3.4	6
43	Permeabilization of <i>Beauveria bassiana</i> Blastospores for in Situ Enzymatic Assays. <i>Mycologia</i> , 2003, 95, 976.	1.9	5
44	APOBEC3 enzymes mediate efficacy of cisplatin and are epistatic with base excision repair and mismatch repair in platinum response. <i>NAR Cancer</i> , 2020, 2, zcaa033.	3.1	5
45	Characterization of an A3C-VifHIV-1-CRL5-CBF1 <sup>2</sup> Structure Using a Cross-linking Mass Spectrometry Pipeline for Integrative Modeling of Host-Pathogen Complexes. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100132.	3.8	4
46	Highly-potent, synthetic APOBEC3s restrict HIV-1 through deamination-independent mechanisms. <i>PLoS Pathogens</i> , 2021, 17, e1009523.	4.7	4
47	APOBEC3F Constitutes a Barrier to Successful Cross-Species Transmission of Simian Immunodeficiency Virus SIVsmm to Humans. <i>Journal of Virology</i> , 2021, 95, e0080821.	3.4	4
48	Divergence in Dimerization and Activity of Primate APOBEC3C. <i>Journal of Molecular Biology</i> , 2021, 433, 167306.	4.2	3
49	Permeabilization of <i>Beauveria bassiana</i> blastospores for in situ enzymatic assays. <i>Mycologia</i> , 2003, 95, 976-81.	1.9	3
50	Special Issue "APOBECs and Virus Restriction". <i>Viruses</i> , 2021, 13, 1613.	3.3	0