# 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 | Characterization of an A3G-VifHIV-1-CRL5-CBFÎ² Structure Using a Cross-linking Mass Spectrometry Pipeline for Integrative Modeling of Hostâ€“Pathogen Complexes. Molecular and Cellular Proteomics, 2021, 20, 100132. | 3.8 | 4 |
| 2 | Examination of the APOBEC3 Barrier to Cross Species Transmission of Primate Lentiviruses. Viruses, 2021, 13, 1084. | 3.3 | 16 |
| 3 | Highly-potent, synthetic APOBEC3s restrict HIV-1 through deamination-independent mechanisms. PLoS Pathogens, 2021, 17, e1009523. | 4.7 | 4 |
| 4 | Special Issue â€œAPOBECs and Virus Restrictionâ€: Viruses, 2021, 13, 1613. | 3.3 | 0 |
| 5 | APOBEC3F Constitutes a Barrier to Successful Cross-Species Transmission of Simian Immunodeficiency Virus SIVsmm to Humans. Journal of Virology, 2021, 95, e0080821. | 3.4 | 4 |
| 6 | APOBEC1 cytosine deaminase activity on single-stranded DNA is suppressed by replication protein A. Nucleic Acids Research, 2021, 49, 322-339. | 14.5 | 18 |
| 7 | Divergence in Dimerization and Activity of Primate APOBEC3C. Journal of Molecular Biology, 2021, 433, 167306. | 4.2 | 3 |
| 8 | Single-nucleotide polymorphism of the DNA cytosine deaminase APOBEC3H haplotype I leads to enzyme destabilization and correlates with lung cancer. NAR Cancer, 2020, 2, zcaa023. | 3.1 | 13 |
| 9 | Deamination hotspots among APOBEC3 family members are defined by both target site sequence context and ssDNA secondary structure. Nucleic Acids Research, 2020, 48, 1353-1371. | 14.5 | 42 |
| 10 | Understanding the structural basis of HIV-1 restriction by the full length double-domain APOBEC3G. Nature Communications, 2020, 11, 632. | 12.8 | 48 |
| 11 | The interesting relationship between APOBEC3 deoxycytidine deaminases and cancer: a long road ahead. Open Biology, 2020, 10, 200188. | 3.6 | 27 |
| 12 | APOBEC3 enzymes mediate efficacy of cisplatin and are epistatic with base excision repair and mismatch repair in platinum response. NAR Cancer, 2020, 2, zcaa033. | 3.1 | 5 |
| 13 | Structure of Ddi2, a highly inducible detoxifying metalloenzyme from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2019, 294, 10674-10685. | 3.4 | 6 |
| 14 | Role of co-expressed APOBEC3F and APOBEC3G in inducing HIV-1 drug resistance. Heliyon, 2019, 5, e01498. | 3.2 | 15 |
| 15 | APOBEC3 Host Restriction Factors of HIV-1 Can Change the Template Switching Frequency of Reverse Transcriptase. Journal of Molecular Biology, 2019, 431, 1339-1352. | 4.2 | 10 |
| 16 | Polymorphisms of the cytidine deaminase APOBEC3F have different HIV-1 restriction efficiencies. Virology, 2019, 527, 21-31. | 2.4 | 11 |
| 17 | HIV restriction factor APOBEC3G binds in multiple steps and conformations to search and deaminate single-stranded DNA. ELife, 2019, 8, . | 6.0 | 16 |
| 18 | Biochemical Basis of APOBEC3 Deoxycytidine Deaminase Activity on Diverse DNA Substrates. ACS Infectious Diseases, 2018, 4, 224-238. | 3.8 | 38 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Cytidine deaminase efficiency of the lentiviral viral restriction factor APOBEC3C correlates with dimerization. Nucleic Acids Research, 2017, 45, 3378-3394. | 14.5 | 38 |
| 21 | Dimerization regulates both deaminase-dependent and deaminase-independent HIV-1 restriction by APOBEC3G. Nature Communications, 2017, 8, 597. | 12.8 | 37 |
| 22 | Deamination-independent restriction of LINE-1 retrotransposition by APOBEC3H. Scientific Reports, 2017, 7, 10881. | 3.3 | 31 |
| 23 | Mechanism of Enhanced HIV Restriction by Virion Coencapsidated Cytidine Deaminases APOBEC3F and APOBEC3G. Journal of Virology, 2017, 91, . | 3.4 | 36 |
| 24 | Enzyme cycling contributes to efficient induction of genome mutagenesis by the cytidine deaminase APOBEC3B. Nucleic Acids Research, 2017, 45, 11925-11940. | 14.5 | 44 |
| 25 | A Single Nucleotide Polymorphism in Human APOBEC3C Enhances Restriction of Lentiviruses. PLoS Pathogens, 2016, 12, e1005865. | 4.7 | 50 |
| 26 | The DNA cytosine deaminase APOBEC3H haplotype I likely contributes to breast and lung cancer mutagenesis. Nature Communications, 2016, 7, 12918. | 12.8 | 146 |
| 27 | Natural Polymorphisms and Oligomerization of Human APOBEC3H Contribute to Single-stranded DNA Scanning Ability. Journal of Biological Chemistry, 2015, 290, 27188-27203. | 3.4 | 40 |
| 28 | Determinants of Efficient Degradation of APOBEC3 Restriction Factors by HIV-1 Vif. Journal of Virology, 2014, 88, 14380-14395. | 3.4 | 32 |
| 29 | Different Mutagenic Potential of HIV-1 Restriction Factors APOBEC3G and APOBEC3F Is Determined by Distinct Single-Stranded DNA Scanning Mechanisms. PLoS Pathogens, 2014, 10, e1004024. | 4.7 | 60 |
| 30 | Suppression of APOBEC3-mediated restriction of HIV-1 by Vif. Frontiers in Microbiology, 2014, 5, 450. | 3.5 | 100 |
| 31 | 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 |
| 32 | Retroviral Restriction Factor APOBEC3G Delays the Initiation of DNA Synthesis by HIV-1 Reverse Transcriptase. PLoS ONE, 2013, 8, e64196. | 2.5 | 37 |
| 33 | Biochemical Analysis of Hypermutation by the Deoxycytidine Deaminase APOBEC3A. Journal of Biological Chemistry, 2012, 287, 30812-30822. | 3.4 | 73 |
| 34 | Single-stranded DNA Scanning and Deamination by APOBEC3G Cytidine Deaminase at Single Molecule Resolution. Journal of Biological Chemistry, 2012, 287, 15826-15835. | 3.4 | 53 |
| 35 | Intensity of Deoxycytidine Deamination of HIV-1 Proviral DNA by the Retroviral Restriction Factor APOBEC3G Is Mediated by the Noncatalytic Domain. Journal of Biological Chemistry, 2011, 286, 11415-11426. | 3.4 | 62 |
| 36 | Structural Model for Deoxycytidine Deamination Mechanisms of the HIV-1 Inactivation Enzyme APOBEC3G. Journal of Biological Chemistry, 2010, 285, 16195-16205. | 3.4 | 114 |

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|---|---|---|---|
| 37 | 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 |
| 38 | Dissecting APOBEC3G Substrate Specificity by Nucleoside Analog Interference. Journal of Biological Chemistry, 2009, 284, 7047-7058. | 3.4 | 46 |
| 39 | Stochastic properties of processive cytidine DNA deaminases AID and APOBEC3G. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 583-593. | 4.0 | 43 |
| 40 | Mechanisms of APOBEC3G-catalyzed processive deamination of deoxycytidine on single-stranded DNA. Nature Structural and Molecular Biology, 2009, 16, 454-455. | 8.2 | 25 |
| 41 | Crystal structure of the anti-viral APOBEC3G catalytic domain and functional implications. Nature, 2008, 456, 121-124. | 27.8 | 213 |
| 42 | 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 |
| 43 | A Model for Oligomeric Regulation of APOBEC3G Cytosine Deaminase-dependent Restriction of HIV. Journal of Biological Chemistry, 2008, 283, 13780-13791. | 3.4 | 90 |
| 44 | DNA deaminases AID and APOBEC3G act processively on single-stranded DNA. DNA Repair, 2007, 6, 689-692. | 2.8 | 25 |
| 45 | 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 |
| 46 | APOBEC3G DNA deaminase acts processively 3â€² â†’ 5â€² on single-stranded DNA. Nature Structural and Molecular Biology, 2006, 13, 392-399. | 8.2 | 263 |
| 47 | 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 |
| 48 | Permeabilization of Beauveria bassiana Blastospores for in Situ Enzymatic Assays. Mycologia, 2003, 95, 976. | 1.9 | 5 |
| 49 | Permeabilization ofBeauveria bassianablastospores for in situ enzymatic assays. Mycologia, 2003, 95, 976-981. | 1.9 | 6 |
| 50 | Permeabilization of Beauveria bassiana blastospores for in situ enzymatic assays. Mycologia, 2003, 95, 976-81. | 1.9 | 3 |