

# Chandravanu Dash

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,709  
citations

279701

23  
h-index

189801

50  
g-index

67  
all docs

67  
docs citations

67  
times ranked

4133  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Large scale all-atom molecular dynamics simulations of mutant CA tubes provide insights on cytotoxic T-lymphocyte-mediated HIV-1 restriction. <i>Biophysical Journal</i> , 2022, 121, 321a.   | 0.2 | 0         |
| 2  | HIV-infection and cocaine use regulate semen extracellular vesicles proteome and miRNAome in a manner that mediates strategic monocyte haptotaxis governed by miR-128 network. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 5. | 2.4 | 4         |
| 3  | The 26 <sup>th</sup> Scientific Conference of the Society on NeuroImmune Pharmacology: College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN, June 1-3, 2022. , 2022, .   |     | 0         |
| 4  | HIV-1 mutants that escape the cytotoxic T-lymphocytes are defective in viral DNA integration. , 2022, 1, .  |     | 5         |
| 5  | Activation of proline biosynthesis is critical to maintain glutamate homeostasis during acute methamphetamine exposure. <i>Scientific Reports</i> , 2021, 11, 1422.   | 1.6 | 12        |
| 6  | Bortezomib Sustains T Cell Function by Inducing miR-155-Mediated Downregulation of SOCS1 and SHIP1. <i>Frontiers in Immunology</i> , 2021, 12, 607044.  | 2.2 | 16        |
| 7  | The Role of Kruppel-like Factor 6 in Prolidase Regulation. <i>FASEB Journal</i> , 2021, 35, .   | 0.2 | 0         |
| 8  | Phycobilins as Potent Food Bioactive Broad-Spectrum Inhibitors Against Proteases of SARS-CoV-2 and Other Coronaviruses: A Preliminary Study. <i>Frontiers in Microbiology</i> , 2021, 12, 645713.   | 1.5 | 23        |
| 9  | Activation of proline metabolism maintains ATP levels during cocaine-induced polyADP-ribosylation. <i>Amino Acids</i> , 2021, 53, 1903-1915.  | 1.2 | 3         |
| 10 | PROLIDASE: A Review from Discovery to its Role in Health and Disease. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 723003.  | 1.6 | 33        |
| 11 | Human Three Prime Repair Exonuclease 1 Promotes HIV-1 Integration by Preferentially Degrading Unprocessed Viral DNA. <i>Journal of Virology</i> , 2021, 95, e0055521.   | 1.5 | 6         |
| 12 | Therapeutic Significance of microRNA-Mediated Regulation of PARP-1 in SARS-CoV-2 Infection. <i>Non-coding RNA</i> , 2021, 7, 60.  | 1.3 | 12        |
| 13 | Proteomics Profiling of Autologous Blood and Semen Exosomes from HIV-infected and Uninfected Individuals Reveals Compositional and Functional Variabilities. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 78-100.                 | 2.5 | 25        |
| 14 | The HIV-1 capsid-binding host factor CPSF6 is post-transcriptionally regulated by the cellular microRNA miR-125b. <i>Journal of Biological Chemistry</i> , 2020, 295, 5081-5094.  | 1.6 | 14        |
| 15 | Cocaine-regulated microRNA miR-124 controls poly (ADP-ribose) polymerase-1 expression in neuronal cells. <i>Scientific Reports</i> , 2020, 10, 11197.   | 1.6 | 29        |
| 16 | A Novel Role of Prolidase in Cocaine-Mediated Breach in the Barrier of Brain Microvascular Endothelial Cells. <i>Scientific Reports</i> , 2019, 9, 2567.  | 1.6 | 12        |
| 17 | PF74 Inhibits HIV-1 Integration by Altering the Composition of the Preintegration Complex. <i>Journal of Virology</i> , 2019, 93, .   | 1.5 | 39        |
| 18 | Immune Control of HIV. <i>Journal of Life Sciences (Westlake Village, Calif )</i> , 2019, 1, 4-37.  | 1.8 | 7         |

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|----|--|-----|-----------|
| 19 | Precision HIV care: responding to old questions and meeting new challenges. <i>Pharmacogenomics</i> , 2018, 19, 1299-1302.   | 0.6 | 1         |
| 20 | Are microRNAs Important Players in HIV-1 Infection? An Update. <i>Viruses</i> , 2018, 10, 110.   | 1.5 | 61        |
| 21 | Biotin-based Pulldown Assay to Validate mRNA Targets of Cellular miRNAs. <i>Journal of Visualized Experiments</i> , 2018, , .  | 0.2 | 18        |
| 22 | Role of <i>Porphyromonas gingivalis</i> outer membrane vesicles in oral mucosal transmission of HIV. <i>Scientific Reports</i> , 2018, 8, 8812.  | 1.6 | 17        |
| 23 | Effect of prolonged freezing of semen on exosome recovery and biologic activity. <i>Scientific Reports</i> , 2017, 7, 45034.   | 1.6 | 52        |
| 24 | Measurement of $\gamma$ -In Vitro $\gamma$ Integration Activity of HIV-1 Preintegration Complexes. <i>Journal of Visualized Experiments</i> , 2017, , .                                    | 0.2 | 8         |
| 25 | Poly (ADP-Ribose) Polymerase-1 (PARP-1) Induction by Cocaine Is Post-Transcriptionally Regulated by miR-125b. <i>ENeuro</i> , 2017, 4, ENEURO.0089-17.2017.                                | 0.9 | 24        |
| 26 | Cocaine Enhances HIV-1 Transcription in Macrophages by Inducing p38 MAPK Phosphorylation. <i>Frontiers in Microbiology</i> , 2016, 7, 823.   | 1.5 | 19        |
| 27 | Effect of oral contraceptives and doxycycline on endometrial MMP-2 and MMP-9 activity. <i>Contraception</i> , 2016, 93, 65-69.   | 0.8 | 6         |
| 28 | Impact of cocaine abuse on HIV pathogenesis. <i>Frontiers in Microbiology</i> , 2015, 6, 1111.   | 1.5 | 51        |
| 29 | Cocaine modulates HIV-1 integration in primary CD4+ T cells: implications in HIV-1 pathogenesis in drug-abusing patients. <i>Journal of Leukocyte Biology</i> , 2015, 97, 779-790.         | 1.5 | 28        |
| 30 | The Complex Interaction Between Methamphetamine Abuse and HIV-1 Pathogenesis. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 477-486.  | 2.1 | 41        |
| 31 | Synthesis of $\hat{\gamma}$ -triphosphotriester pronucleotides. <i>Tetrahedron Letters</i> , 2015, 56, 2247-2250.  | 0.7 | 1         |
| 32 | A Novel Role of Proline Oxidase in HIV-1 Envelope Glycoprotein-induced Neuronal Autophagy. <i>Journal of Biological Chemistry</i> , 2015, 290, 25439-25451.                                | 1.6 | 28        |
| 33 | Methamphetamine Inhibits HIV-1 Replication in CD4+ T Cells by Modulating Anti-HIV-1 miRNA Expression. <i>American Journal of Pathology</i> , 2014, 184, 92-100.                            | 1.9 | 30        |
| 34 | Cocaine Enhances HIV-1-Induced CD4+ T-Cell Apoptosis. <i>American Journal of Pathology</i> , 2014, 184, 927-936.   | 1.9 | 32        |
| 35 | XMRV accelerates cellular proliferation, transformational activity, and invasiveness of prostate cancer cells by downregulating p27 <sup>Kip1</sup> . <i>Prostate</i> , 2012, 72, 886-897. | 1.2 | 13        |
| 36 | Viral Reverse Transcriptases Show Selective High Affinity Binding to DNA-DNA Primer-Templates that Resemble the Polypurine Tract. <i>PLoS ONE</i> , 2012, 7, e41712.                       | 1.1 | 9         |

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|----|---|-----|-----------|
| 37 | Cocaine Enhances HIV-1 Replication in CD4+ T Cells by Down-Regulating MiR-125b. <i>PLoS ONE</i> , 2012, 7, e51387.  | 1.1 | 69        |
| 38 | A prospective on drug abuse-associated epigenetics and HIV-1 replication. <i>Life Sciences</i> , 2011, 88, 995-999.   | 2.0 | 8         |
| 39 | Downregulation of APOBEC3G by xenotropic murine leukemia-virus related virus (XMRV) in prostate cancer cells. <i>Virology Journal</i> , 2011, 8, 531.   | 1.4 | 4         |
| 40 | Inhibition of multi-drug resistant HIV-1 reverse transcriptase by nucleoside $\hat{2}$ -triphosphates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3519-3522.   | 1.0 | 3         |
| 41 | Synthesis and anti-HIV activities of bis-(cycloSaligenyl) pronucleotides derivatives of 3 $\hat{2}$ -fluoro-3 $\hat{2}$ -deoxythymidine and 3 $\hat{2}$ -azido-3 $\hat{2}$ -deoxythymidine. <i>Tetrahedron Letters</i> , 2011, 52, 802-805.         | 0.7 | 9         |
| 42 | Solid-phase synthesis of 5 $\hat{2}$ -O- $\hat{2}$ , $\hat{3}$ -methylenetriphosphate derivatives of nucleosides and evaluation of their inhibitory activity against HIV-1 reverse transcriptase. <i>Tetrahedron Letters</i> , 2010, 51, 3010-3013. | 0.7 | 11        |
| 43 | Synthesis of nucleoside 5 $\hat{2}$ -O- $\hat{2}$ , $\hat{2}$ -methylene- $\hat{2}$ -triphosphates and evaluation of their potency towards inhibition of HIV-1 reverse transcriptase. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1271.    | 1.5 | 7         |
| 44 | Global Transcription in Pluripotent Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 437-447.   | 5.2 | 603       |
| 45 | Mutations M184V and Y115F in HIV-1 Reverse Transcriptase Discriminate against $\hat{2}$ -Nucleotide-competing Reverse Transcriptase Inhibitors. <i>Journal of Biological Chemistry</i> , 2008, 283, 29904-29911.                                    | 1.6 | 43        |
| 46 | Examining the ribonuclease H primer grip of HIV-1 reverse transcriptase by charge neutralization of RNA/DNA hybrids. <i>Nucleic Acids Research</i> , 2008, 36, 6363-6371.   | 6.5 | 15        |
| 47 | Analysis of HIV-1 replication block due to substitutions at F61 residue of reverse transcriptase reveals additional defects involving the RNase H function. <i>Nucleic Acids Research</i> , 2006, 34, 2853-2863.                                    | 6.5 | 20        |
| 48 | Examining Interactions of HIV-1 Reverse Transcriptase with Single-stranded Template Nucleotides by Nucleoside Analog Interference. <i>Journal of Biological Chemistry</i> , 2006, 281, 27873-27881.   | 1.6 | 13        |
| 49 | Examining Ty3 Polypurine Tract Structure and Function by Nucleoside Analog Interference. <i>Journal of Biological Chemistry</i> , 2006, 281, 2773-2783.   | 1.6 | 11        |
| 50 | Illustration of HIV-1 Protease Folding through a Molten-Globule-like Intermediate Using an Experimental Model that Implicates $\hat{2}$ -Crystallin and Calcium Ions. <i>Biochemistry</i> , 2005, 44, 3725-3734.                                    | 1.2 | 4         |
| 51 | Using pyrrolo-deoxycytosine to probe RNA/DNA hybrids containing the human immunodeficiency virus type-1 3' polypurine tract. <i>Nucleic Acids Research</i> , 2004, 32, 1539-1547.   | 6.5 | 65        |
| 52 | Two Modes of HIV-1 Polypurine Tract Cleavage Are Affected by Introducing Locked Nucleic Acid Analogs into the (-) DNA Template. <i>Journal of Biological Chemistry</i> , 2004, 279, 37095-37102.  | 1.6 | 14        |
| 53 | Aspartic Peptidase Inhibitors: Implications in Drug Development. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2003, 38, 89-119.  | 2.3 | 100       |
| 54 | Direct Assembly of Gold Nanoparticle $\hat{2}$ -Shells $\hat{2}$ -on Polyurethane Microsphere $\hat{2}$ -Cores $\hat{2}$ and Their Application as Enzyme Immobilization Templates. <i>Chemistry of Materials</i> , 2003, 15, 1944-1949.             | 3.2 | 170       |

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|----|---|-----|-----------|
| 55 | Slow Tight Binding Inhibition of Proteinase K by a Proteinaceous Inhibitor. <i>Journal of Biological Chemistry</i> , 2003, 278, 48735-48744.  | 1.6 | 13        |
| 56 | Slow-Tight Binding Inhibition of Xylanase by an Aspartic Protease Inhibitor. <i>Journal of Biological Chemistry</i> , 2002, 277, 17978-17986.   | 1.6 | 21        |
| 57 | Improved Performance of Preordered Fungal Protease-Stearic Acid Biocomposites: Enhanced Catalytic Activity, Reusability, and Temporal Stability. <i>Biotechnology Progress</i> , 2002, 18, 700-705.   | 1.3 | 0         |
| 58 | Pepsin~Gold Colloid Conjugates:~ Preparation, Characterization, and Enzymatic Activity. <i>Langmuir</i> , 2001, 17, 1674-1679.  | 1.6 | 514       |
| 59 | On the Preparation, Characterization, and Enzymatic Activity of Fungal Protease~Gold Colloid Bioconjugates. <i>Bioconjugate Chemistry</i> , 2001, 12, 684-690.  | 1.8 | 133       |
| 60 | Structural and Mechanistic Insight into the Inhibition of Aspartic Proteases by a Slow-Tight Binding Inhibitor from an Extremophilic <i>Bacillus</i> sp.:~ Correlation of the Kinetic Parameters with the Inhibitor Induced Conformational Changes~. <i>Biochemistry</i> , 2001, 40, 11525-11532. | 1.2 | 18        |
| 61 | Interactions of a Novel Inhibitor from an Extremophilic <i>Bacillus</i> sp. with HIV-1 Protease. <i>Journal of Biological Chemistry</i> , 2001, 276, 2487-2493.   | 1.6 | 21        |
| 62 | Novel Bifunctional Inhibitor of Xylanase and Aspartic Protease: Implications for Inhibition of Fungal Growth. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 2008-2017.   | 1.4 | 27        |
| 63 | Encapsulation and biocatalytic activity of the enzyme pepsin in fatty lipid films by selective electrostatic interactions. <i>Chemical Communications</i> , 2000, , 297-298.  | 2.2 | 59        |
| 64 | Fabrication, Characterization, and Enzymatic Activity of Encapsulated Fungal Protease~Fatty Lipid Biocomposite Films. <i>Analytical Chemistry</i> , 2000, 72, 4301-4309.  | 3.2 | 54        |