

# Chandravanu Dash

## List of Publications by Year in descending order

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64  
papers

2,709  
citations

279487

23  
h-index

189595

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 &lt;em>In Vitro&/em> 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 Î <sup>2</sup> -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 $\hat{1}^2$ -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 $3\hat{a}^2$ -fluoro- $3\hat{a}^2$ -deoxythymidine and $3\hat{a}^2$ -azido- $3\hat{a}^2$ -deoxythymidine. <i>Tetrahedron Letters</i> , 2011, 52, 802-805.	0.7	9
42	Solid-phase synthesis of $5\hat{a}^2$ -O- $\hat{1}^2$ , $\hat{1}^3$ -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 $5\hat{a}^2$ -O- $\hat{1}^2$ , $\hat{1}^2$ -methylene- $\hat{1}^2$ -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 $\hat{a}^{\infty}$ Nucleotide-competing Reverse Transcriptase Inhibitors $\hat{a}^{\infty}$ . <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 $\hat{1}^{\pm}$ -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 $\hat{a}^{\infty}$ Shells $\hat{a}^{\infty}$ on Polyurethane Microsphere $\hat{a}^{\infty}$ Cores $\hat{a}^{\infty}$ 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