

Chandravanu Dash

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,709
citations

279798

23
h-index

189892

50
g-index

67
all docs

67
docs citations

67
times ranked

4133
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Transcription in Pluripotent Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 437-447.	11.1	603
2	Pepsinâ€™Gold Colloid Conjugates:â€™ Preparation, Characterization, and Enzymatic Activity. <i>Langmuir</i> , 2001, 17, 1674-1679.	3.5	514
3	Direct Assembly of Gold Nanoparticle â€™Shellsâ€™ on Polyurethane Microsphere â€™Coresâ€™ and Their Application as Enzyme Immobilization Templates. <i>Chemistry of Materials</i> , 2003, 15, 1944-1949.	6.7	170
4	On the Preparation, Characterization, and Enzymatic Activity of Fungal Proteaseâ€™Gold Colloid Bioconjugates. <i>Bioconjugate Chemistry</i> , 2001, 12, 684-690.	3.6	133
5	Aspartic Peptidase Inhibitors: Implications in Drug Development. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2003, 38, 89-119.	5.2	100
6	Cocaine Enhances HIV-1 Replication in CD4+ T Cells by Down-Regulating MiR-125b. <i>PLoS ONE</i> , 2012, 7, e51387.	2.5	69
7	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.	14.5	65
8	Are microRNAs Important Players in HIV-1 Infection? An Update. <i>Viruses</i> , 2018, 10, 110.	3.3	61
9	Encapsulation and biocatalytic activity of the enzyme pepsin in fatty lipid films by selective electrostatic interactions. <i>Chemical Communications</i> , 2000, , 297-298.	4.1	59
10	Fabrication, Characterization, and Enzymatic Activity of Encapsulated Fungal Proteaseâ€™Fatty Lipid Biocomposite Films. <i>Analytical Chemistry</i> , 2000, 72, 4301-4309.	6.5	54
11	Effect of prolonged freezing of semen on exosome recovery and biologic activity. <i>Scientific Reports</i> , 2017, 7, 45034.	3.3	52
12	Impact of cocaine abuse on HIV pathogenesis. <i>Frontiers in Microbiology</i> , 2015, 6, 1111.	3.5	51
13	Mutations M184V and Y115F in HIV-1 Reverse Transcriptase Discriminate against â€™Nucleotide-competing Reverse Transcriptase Inhibitorsâ€™. <i>Journal of Biological Chemistry</i> , 2008, 283, 29904-29911.	3.4	43
14	The Complex Interaction Between Methamphetamine Abuse and HIV-1 Pathogenesis. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 477-486.	4.1	41
15	PF74 Inhibits HIV-1 Integration by Altering the Composition of the Preintegration Complex. <i>Journal of Virology</i> , 2019, 93, .	3.4	39
16	PROLIDASE: A Review from Discovery to its Role in Health and Disease. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 723003.	3.5	33
17	Cocaine Enhances HIV-1â€™Induced CD4+ T-Cell Apoptosis. <i>American Journal of Pathology</i> , 2014, 184, 927-936.	3.8	32
18	Methamphetamine Inhibits HIV-1 Replication in CD4+ T Cells by Modulating Antiâ€™HIV-1 miRNA Expression. <i>American Journal of Pathology</i> , 2014, 184, 92-100.	3.8	30

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19	Cocaine-regulated microRNA miR-124 controls poly (ADP-ribose) polymerase-1 expression in neuronal cells. <i>Scientific Reports</i> , 2020, 10, 11197.	3.3	29
20	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.	3.3	28
21	A Novel Role of Proline Oxidase in HIV-1 Envelope Glycoprotein-induced Neuronal Autophagy. <i>Journal of Biological Chemistry</i> , 2015, 290, 25439-25451.	3.4	28
22	Novel Bifunctional Inhibitor of Xylanase and Aspartic Protease: Implications for Inhibition of Fungal Growth. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 2008-2017.	3.2	27
23	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.	3.8	25
24	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.	1.9	24
25	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.	3.5	23
26	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.	3.4	21
27	Slow-Tight Binding Inhibition of Xylanase by an Aspartic Protease Inhibitor. <i>Journal of Biological Chemistry</i> , 2002, 277, 17978-17986.	3.4	21
28	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.	14.5	20
29	Cocaine Enhances HIV-1 Transcription in Macrophages by Inducing p38 MAPK Phosphorylation. <i>Frontiers in Microbiology</i> , 2016, 7, 823.	3.5	19
30	Structural and Mechanistic Insight into the Inhibition of Aspartic Proteases by a Slow-Tight Binding Inhibitor from an Extremophilic <i>Bacillus</i> sp.: A Correlation of the Kinetic Parameters with the Inhibitor Induced Conformational Changes. <i>Biochemistry</i> , 2001, 40, 11525-11532.	2.5	18
31	Biotin-based Pulldown Assay to Validate mRNA Targets of Cellular miRNAs. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	18
32	Role of <i>Porphyromonas gingivalis</i> outer membrane vesicles in oral mucosal transmission of HIV. <i>Scientific Reports</i> , 2018, 8, 8812.	3.3	17
33	Bortezomib Sustains T Cell Function by Inducing miR-155-Mediated Downregulation of SOCS1 and SHIP1. <i>Frontiers in Immunology</i> , 2021, 12, 607044.	4.8	16
34	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.	14.5	15
35	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.	3.4	14
36	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.	3.4	14

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37	Slow Tight Binding Inhibition of Proteinase K by a Proteinaceous Inhibitor. <i>Journal of Biological Chemistry</i> , 2003, 278, 48735-48744.	3.4	13
38	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.	3.4	13
39	XMRV accelerates cellular proliferation, transformational activity, and invasiveness of prostate cancer cells by downregulating p27 ^{Kip1} . <i>Prostate</i> , 2012, 72, 886-897.	2.3	13
40	A Novel Role of Prolidase in Cocaine-Mediated Breach in the Barrier of Brain Microvascular Endothelial Cells. <i>Scientific Reports</i> , 2019, 9, 2567.	3.3	12
41	Activation of proline biosynthesis is critical to maintain glutamate homeostasis during acute methamphetamine exposure. <i>Scientific Reports</i> , 2021, 11, 1422.	3.3	12
42	Therapeutic Significance of microRNA-Mediated Regulation of PARP-1 in SARS-CoV-2 Infection. <i>Non-coding RNA</i> , 2021, 7, 60.	2.6	12
43	Examining Ty3 Polypurine Tract Structure and Function by Nucleoside Analog Interference. <i>Journal of Biological Chemistry</i> , 2006, 281, 2773-2783.	3.4	11
44	Solid-phase synthesis of 5'-O-(2,3-methylenetriphosphate) derivatives of nucleosides and evaluation of their inhibitory activity against HIV-1 reverse transcriptase. <i>Tetrahedron Letters</i> , 2010, 51, 3010-3013.	1.4	11
45	Synthesis and anti-HIV activities of bis-(cycloSaligenyl) pronucleotides derivatives of 3'-fluoro-3'-deoxythymidine and 3'-azido-3'-deoxythymidine. <i>Tetrahedron Letters</i> , 2011, 52, 802-805.	1.4	9
46	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.	2.5	9
47	A prospective on drug abuse-associated epigenetics and HIV-1 replication. <i>Life Sciences</i> , 2011, 88, 995-999.	4.3	8
48	Measurement of In Vitro Integration Activity of HIV-1 Preintegration Complexes. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	8
49	Synthesis of nucleoside 5'-O-(2,3-methylene-2-triphosphates) and evaluation of their potency towards inhibition of HIV-1 reverse transcriptase. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1271.	2.8	7
50	Immune Control of HIV. <i>Journal of Life Sciences (Westlake Village, Calif)</i> , 2019, 1, 4-37.	1.8	7
51	Effect of oral contraceptives and doxycycline on endometrial MMP-2 and MMP-9 activity. <i>Contraception</i> , 2016, 93, 65-69.	1.5	6
52	Human Three Prime Repair Exonuclease 1 Promotes HIV-1 Integration by Preferentially Degrading Unprocessed Viral DNA. <i>Journal of Virology</i> , 2021, 95, e0055521.	3.4	6
53	HIV-1 mutants that escape the cytotoxic T-lymphocytes are defective in viral DNA integration. , 2022, 1, .		5
54	Illustration of HIV-1 Protease Folding through a Molten-Globule-like Intermediate Using an Experimental Model that Implicates β -Crystallin and Calcium Ions. <i>Biochemistry</i> , 2005, 44, 3725-3734.	2.5	4

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55	Downregulation of APOBEC3G by xenotropic murine leukemia-virus related virus (XMRV) in prostate cancer cells. <i>Virology Journal</i> , 2011, 8, 531.	3.4	4
56	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.	5.4	4
57	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.	2.2	3
58	Activation of proline metabolism maintains ATP levels during cocaine-induced polyADP-ribosylation. <i>Amino Acids</i> , 2021, 53, 1903-1915.	2.7	3
59	Synthesis of $\hat{1}^2$ -triphosphotriester pronucleotides. <i>Tetrahedron Letters</i> , 2015, 56, 2247-2250.	1.4	1
60	Precision HIV care: responding to old questions and meeting new challenges. <i>Pharmacogenomics</i> , 2018, 19, 1299-1302.	1.3	1
61	Improved Performance of Preordered Fungal Protease-Stearic Acid Biocomposites: Enhanced Catalytic Activity, Reusability, and Temporal Stability. <i>Biotechnology Progress</i> , 2002, 18, 700-705.	2.6	0
62	The Role of Kruppelâ€like Factor 6 in Prolidase Regulation. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
63	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.	0.5	0
64	The 26 th 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