

# Bindu Nanduri

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

2,660  
citations

236925

25  
h-index

189892

50  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3919  
citing authors

#	ARTICLE	IF	CITATIONS
1	No-boundary thinking: a viable solution to ethical data-driven AI in precision medicine. <i>AI and Ethics</i> , 2022, 2, 635-643.	6.8	3
2	Editorial: Unleashing Innovation on Precision Public Health—Highlights From the MCBIOS and MAQC 2021 Joint Conference. <i>Frontiers in Artificial Intelligence</i> , 2022, 5, 859700.	3.4	0
3	The expansive effects of polyamines on the metabolism and virulence of <i>Streptococcus pneumoniae</i> . <i>Pneumonia (Nathan Qld)</i> , 2021, 13, 4.	6.1	11
4	Arginine Decarboxylase Is Essential for Pneumococcal Stress Responses. <i>Pathogens</i> , 2021, 10, 286.	2.8	5
5	Comprehensive at-arrival transcriptomic analysis of post-weaned beef cattle uncovers type I interferon and antiviral mechanisms associated with bovine respiratory disease mortality. <i>PLoS ONE</i> , 2021, 16, e0250758.	2.5	11
6	The Effect of Impaired Polyamine Transport on Pneumococcal Transcriptome. <i>Pathogens</i> , 2021, 10, 1322.	2.8	4
7	Identification of active deubiquitinases in the chicken tissues. <i>Proteomics</i> , 2021, , 2100122.	2.2	1
8	<i>Streptococcus pneumoniae</i> metal homeostasis alters cellular metabolism. <i>Metallomics</i> , 2020, 12, 1416-1427.	2.4	13
9	Towards a unified open access dataset of molecular interactions. <i>Nature Communications</i> , 2020, 11, 6144.	12.8	49
10	SP_0916 Is an Arginine Decarboxylase That Catalyzes the Synthesis of Agmatine, Which Is Critical for Capsule Biosynthesis in <i>Streptococcus pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 578533.	3.5	8
11	An atlas of the catalytically active liver and spleen kinases in chicken identified by chemoproteomics. <i>Journal of Proteomics</i> , 2020, 225, 103850.	2.4	1
12	Whole blood transcriptomic analysis of beef cattle at arrival identifies potential predictive molecules and mechanisms that indicate animals that naturally resist bovine respiratory disease. <i>PLoS ONE</i> , 2020, 15, e0227507.	2.5	33
13	Dosage scaling of alcohol in binge exposure models in mice: An empirical assessment of the relationship between dose, alcohol exposure, and peak blood concentrations in humans and mice. <i>Alcohol</i> , 2020, 89, 9-17.	1.7	17
14	Title is missing!. , 2020, 15, e0227507.		0
15	Title is missing!. , 2020, 15, e0227507.		0
16	Title is missing!. , 2020, 15, e0227507.		0
17	Title is missing!. , 2020, 15, e0227507.		0
18	Transcriptomic analysis of early B-cell development in the chicken embryo. <i>Poultry Science</i> , 2019, 98, 5342-5354.	3.4	11

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19	Adolescent rat social play: Amygdalar proteomic and transcriptomic data. <i>Data in Brief</i> , 2019, 27, 104589.	1.0	4
20	Proteomic and transcriptional profiling of rat amygdala following social play. <i>Behavioural Brain Research</i> , 2019, 376, 112210.	2.2	11
21	Polyamine Synthesis Effects Capsule Expression by Reduction of Precursors in <i>Streptococcus pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1996.	3.5	20
22	&lt;p&gt;Modeling the pasture-associated severe equine asthma bronchoalveolar lavage fluid proteome identifies molecular events mediating neutrophilic airway inflammation&lt;/p&gt;. <i>Veterinary Medicine: Research and Reports</i> , 2019, Volume 10, 43-63.	0.6	12
23	Proteogenomic Identification of a Novel Protein-Encoding Gene in Bovine Herpesvirus 1 That Is Expressed during Productive Infection. <i>Viruses</i> , 2018, 10, 499.	3.3	8
24	Leveraging Experimental Details for an Improved Understanding of Host&#x2013;Pathogen Interactome. <i>Current Protocols in Bioinformatics</i> , 2018, 61, 8.26.1-8.26.12.	25.8	2
25	The Role of Cadaverine Synthesis on Pneumococcal Capsule and Protein Expression. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 8.	2.9	17
26	Binge alcohol consumption 18&#x2126; after induction of sepsis in a mouse&#x2013;model causes rapid overgrowth of bacteria, a cytokine storm,&#x2126;and decreased survival. <i>Alcohol</i> , 2017, 63, 9-17.	1.7	8
27	The Effect of Oxygen on Bile Resistance in <i>Listeria monocytogenes</i> . <i>Journal of Proteomics and Bioinformatics</i> , 2016, 04, 107-119.	0.4	25
28	Comparative Proteomic Analysis of Cotton Fiber Development and Protein Extraction Method Comparison in Late Stage Fibers. <i>Proteomes</i> , 2016, 4, 7.	3.5	10
29	Polyamine transporter in <i>Streptococcus pneumoniae</i> is essential for evading early innate immune responses in pneumococcal pneumonia. <i>Scientific Reports</i> , 2016, 6, 26964.	3.3	30
30	Use of focused ultrasonication in activity-based profiling of deubiquitinating enzymes in tissue. <i>Analytical Biochemistry</i> , 2016, 515, 9-13.	2.4	3
31	HPIDB 2.0: a curated database for host&#x2013;pathogen interactions. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw103.	3.0	202
32	Analysis of differentially expressed proteins in <i>Yersinia enterocolitica</i> -infected HeLa cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 562-569.	2.3	8
33	Activity-Based Proteomic Profiling of Deubiquitinating Enzymes in Salmonella-Infected Macrophages Leads to Identification of Putative Function of UCH-L5 in Inflammasome Regulation. <i>PLoS ONE</i> , 2015, 10, e0135531.	2.5	33
34	Application of Functional Genomics for Bovine Respiratory Disease Diagnostics. <i>Bioinformatics and Biology Insights</i> , 2015, 9s2, BBI.S30525.	2.0	7
35	Big data - a 21st century science Maginot Line? No-boundary thinking: shifting from the big data paradigm. <i>BioData Mining</i> , 2015, 8, 7.	4.0	6
36	<i>Listeria</i> and -Omics Approaches for Understanding its Biology. , 2015, , 135-158.		1

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37	Systems toxicology identifies mechanistic impacts of 2-amino-4,6-dinitrotoluene (2A-DNT) exposure in Northern Bobwhite. <i>BMC Genomics</i> , 2015, 16, 587.	2.8	9
38	Global Analysis of Lysine Acetylation Suggests the Involvement of Protein Acetylation in Diverse Biological Processes in Rice ( <i>Oryza sativa</i> ). <i>PLoS ONE</i> , 2014, 9, e89283.	2.5	102
39	Identification of canine platelet proteins separated by differential detergent fractionation for nonelectrophoretic proteomics analyzed by Gene Ontology and pathways analysis. <i>Veterinary Medicine: Research and Reports</i> , 2014, 5, 1.	0.6	3
40	Proteomic Analysis of Cross Protection Provided between Cold and Osmotic Stress in <i>Listeria monocytogenes</i> . <i>Journal of Proteome Research</i> , 2014, 13, 1896-1904.	3.7	58
41	SILAC-Based Quantitative Proteomic Analysis of Human Lung Cell Response to Copper Oxide Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e114390.	2.5	28
42	Ultrasonic Incisions Produce Less Inflammatory Mediator Response during Early Healing than Electrosurgical Incisions. <i>PLoS ONE</i> , 2013, 8, e73032.	2.5	13
43	Proteomic analysis of the response of <i>Listeria monocytogenes</i> to bile salts under anaerobic conditions. <i>Journal of Medical Microbiology</i> , 2013, 62, 25-35.	1.8	29
44	Deubiquitinating Enzymes as Promising Drug Targets for Infectious Diseases. <i>Current Pharmaceutical Design</i> , 2013, 19, 3234-3247.	1.9	27
45	Transcriptome profile of a bovine respiratory disease pathogen: <i>Mannheimia haemolytica</i> PHL213. <i>BMC Bioinformatics</i> , 2012, 13, S4.	2.6	11
46	Transcriptomic analysis of peritoneal cells in a mouse model of sepsis: confirmatory and novel results in early and late sepsis. <i>BMC Genomics</i> , 2012, 13, 509.	2.8	9
47	RNA-Seq Based Transcriptional Map of Bovine Respiratory Disease Pathogen <i>Haemophilus somni</i> 2336. <i>PLoS ONE</i> , 2012, 7, e29435.	2.5	26
48	Role of acute ethanol exposure and TLR4 in early events of sepsis in a mouse model. <i>Alcohol</i> , 2011, 45, 795-803.	1.7	28
49	Proteomic expression profiles of virulent and avirulent strains of <i>Listeria monocytogenes</i> isolated from macrophages. <i>Journal of Proteomics</i> , 2011, 74, 1906-1917.	2.4	25
50	TAAPP: Tiling Array Analysis Pipeline for Prokaryotes. <i>Genomics, Proteomics and Bioinformatics</i> , 2011, 9, 56-62.	6.9	3
51	The Proteogenomic Mapping Tool. <i>BMC Bioinformatics</i> , 2011, 12, 115.	2.6	35
52	Polyamine biosynthesis and transport mechanisms are crucial for fitness and pathogenesis of <i>Streptococcus pneumoniae</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 504-515.	1.8	80
53	Proteome and Membrane Fatty Acid Analyses on <i>Oligotropha carboxidovorans</i> OM5 Grown under Chemolithoautotrophic and Heterotrophic Conditions. <i>PLoS ONE</i> , 2011, 6, e17111.	2.5	10
54	GOModeler- A tool for hypothesis-testing of functional genomics datasets. <i>BMC Bioinformatics</i> , 2010, 11, S29.	2.6	11

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55	Identification of novel non-coding small RNAs from <i>Streptococcus pneumoniae</i> TIGR4 using high-resolution genome tiling arrays. <i>BMC Genomics</i> , 2010, 11, 350.	2.8	59
56	Gene Model Detection Using Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2010, 604, 137-144.	0.9	5
57	An automated proteomic data analysis workflow for mass spectrometry. <i>BMC Bioinformatics</i> , 2009, 10, S17.	2.6	16
58	The transcriptional response of <i>Pasteurella multocida</i> to three classes of antibiotics. <i>BMC Genomics</i> , 2009, 10, S4.	2.8	12
59	Experimental annotation of channel catfish virus by probabilistic proteogenomic mapping. <i>Proteomics</i> , 2009, 9, 2634-2647.	2.2	17
60	Bovine Viral Diarrhea Virus infection affects the expression of proteins related to professional antigen presentation in bovine monocytes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 14-22.	2.3	28
61	Comparative Proteomic Analysis of <i>Listeria monocytogenes</i> Strains F2365 and EGD. <i>Applied and Environmental Microbiology</i> , 2009, 75, 366-373.	3.1	41
62	Quantitative analysis of <i>Streptococcus pneumoniae</i> TIGR4 response to <i>in vitro</i> iron restriction by LC ESI MS/MS. <i>Proteomics</i> , 2008, 8, 2104-2114.	2.2	25
63	Bovine viral diarrhea viruses differentially alter the expression of the protein kinases and related proteins affecting the development of infection and anti-viral mechanisms in bovine monocytes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1234-1247.	2.3	12
64	Comprehensive proteomic analysis of bovine spermatozoa of varying fertility rates and identification of biomarkers associated with fertility. <i>BMC Systems Biology</i> , 2008, 2, 19.	3.0	221
65	Effects of Subminimum Inhibitory Concentrations of Antibiotics on the <i>Pasteurella multocida</i> Proteome: A Systems Approach. <i>Comparative and Functional Genomics</i> , 2008, 2008, 1-12.	2.0	8
66	ProtQuant: a tool for the label-free quantification of MudPIT proteomics data. <i>BMC Bioinformatics</i> , 2007, 8, S24.	2.6	47
67	Effects of Subminimum Inhibitory Concentrations of Antibiotics on the <i>Pasteurella multocida</i> Proteome. <i>Journal of Proteome Research</i> , 2006, 5, 572-580.	3.7	24
68	AgBase: a functional genomics resource for agriculture. <i>BMC Genomics</i> , 2006, 7, 229.	2.8	286
69	Proteomic analysis using an unfinished bacterial genome: The effects of subminimum inhibitory concentrations of antibiotics on <i>Mannheimia haemolytica</i> virulence factor expression. <i>Proteomics</i> , 2005, 5, 4852-4863.	2.2	48
70	Pre-steady-state DNA unwinding by bacteriophage T4 Dda helicase reveals a monomeric molecular motor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14722-14727.	7.1	82
71	Evidence for a Functional Monomeric Form of the Bacteriophage T4 Dda Helicase. <i>Journal of Biological Chemistry</i> , 2001, 276, 19691-19698.	3.4	42
72	Crystal Structure of a Murine Glutathione S-Transferase in Complex with a Glutathione Conjugate of 4-Hydroxynon-2-enal in One Subunit and Glutathione in the Other: Evidence of Signaling across the Dimer Interface. <i>Biochemistry</i> , 1999, 38, 11887-11894.	2.5	55

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73	Mechanism of Differential Catalytic Efficiency of Two Polymorphic Forms of Human GlutathioneS-Transferase P1-1 in the Glutathione Conjugation of Carcinogenic Diol Epoxide of Chrysene. Archives of Biochemistry and Biophysics, 1997, 345, 32-38.	3.0	78
74	Active Site Architecture of Polymorphic Forms of Human GlutathioneS-Transferase P1-1 Accounts for Their Enantioselectivity and Disparate Activity in the Glutathione Conjugation of 7,8-Dihydroxy-9,10-oxo-7,8,9,10-tetrahydrobenzo(a)pyrene. Biochemical and Biophysical Research Communications, 1997, 235, 424-428.	2.1	82
75	Naturally Occurring Human Glutathione S-transferase GSTP1 Isoforms with Isoleucine and Valine in Position 104 Differ in Enzymic Properties. FEBS Journal, 1994, 224, 893-899.	0.2	389