

Dipankar Nandi

List of Publications by Year in descending order

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91
papers

3,065
citations

279487

23
h-index

174990

52
g-index

99
all docs

99
docs citations

99
times ranked

4274
citing authors

#	ARTICLE	IF	CITATIONS
1	The ubiquitin-proteasome system. <i>Journal of Biosciences</i> , 2006, 31, 137-155.	0.5	507
2	Immunoproteasome Assembly: Cooperative Incorporation of Interferon γ (IFN- γ)-inducible Subunits. <i>Journal of Experimental Medicine</i> , 1998, 187, 97-104.	4.2	404
3	Gene modulation and immunoregulatory roles of Interferon γ . <i>Cytokine</i> , 2010, 50, 1-14.	1.4	275
4	Intermediates in the formation of mouse 20S proteasomes: implications for the assembly of precursor beta subunits. <i>EMBO Journal</i> , 1997, 16, 5363-5375.	3.5	166
5	Identification of MECL-1 (LMP-10) as the third IFN-gamma-inducible proteasome subunit. <i>Journal of Immunology</i> , 1996, 156, 2361-4.	0.4	143
6	The Genetics of Proteasomes and Antigen Processing. <i>Annual Review of Genetics</i> , 1995, 29, 729-754.	3.2	110
7	PepN is the major aminopeptidase in <i>Escherichia coli</i> : insights on substrate specificity and role during sodium-salicylate-induced stress. <i>Microbiology (United Kingdom)</i> , 2003, 149, 3437-3447.	0.7	61
8	Fabrication of Low-Cost Flexible Superhydrophobic Antibacterial Surface with Dual-Scale Roughness. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2213-2223.	2.6	61
9	Comparative genomics and functional roles of the ATP-dependent proteases Lon and Clp during cytosolic protein degradation. <i>Research in Microbiology</i> , 2004, 155, 710-719.	1.0	58
10	Thymic Atrophy: Experimental Studies and Therapeutic Interventions. <i>Scandinavian Journal of Immunology</i> , 2018, 87, 4-14.	1.3	57
11	Enhancing the Bactericidal Efficacy of Nanostructured Multifunctional Surface Using an Ultrathin Metal Coating. <i>Langmuir</i> , 2017, 33, 12569-12579.	1.6	49
12	Immunotherapeutic efficacy of <i>Mycobacterium indicus pranii</i> in eliciting anti-tumor T cell responses: Critical roles of IFN γ . <i>International Journal of Cancer</i> , 2012, 130, 865-875.	2.3	48
13	Intrathymic differentiation of V gamma 3 T cells. <i>Journal of Experimental Medicine</i> , 1993, 178, 309-315.	4.2	45
14	Physical and Functional Association of the Major Histocompatibility Complex Class I Heavy Chain β 3 Domain with the Transporter Associated with Antigen Processing. <i>Journal of Experimental Medicine</i> , 1998, 187, 865-874.	4.2	40
15	The complete primary structure of mouse 20S proteasomes. <i>Immunogenetics</i> , 1999, 49, 835-842.	1.2	39
16	PepN, the Major Suc-LLVY-AMC-hydrolyzing Enzyme in <i>Escherichia coli</i> , Displays Functional Similarity with Downstream Processing Enzymes in Archaea and Eukarya. <i>Journal of Biological Chemistry</i> , 2003, 278, 5548-5556.	1.6	37
17	Interferon-gamma induced cell death: Regulation and contributions of nitric oxide, cJun N-terminal kinase, reactive oxygen species and peroxynitrite. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2645-2661.	1.9	36
18	Interferon γ - and glucocorticoid-mediated pathways synergize to enhance death of CD4 ⁺ CD8 ⁺ thymocytes during <i>Salmonella enterica</i> serovar Typhimurium infection. <i>Immunology</i> , 2013, 138, 307-321.	2.0	33

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19	Roles of Lon protease and its substrate MarA during sodium salicylate-mediated growth reduction and antibiotic resistance in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2016, 162, 764-776.	0.7	33
20	Dual-Mode Optical Sensing of Histamine at Nanomolar Concentrations in Complex Biological Fluids and Living Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 11891-11897.	1.7	31
21	Nitric oxide synthase 2 enhances the survival of mice during <i>Salmonella Typhimurium</i> infection-induced sepsis by increasing reactive oxygen species, inflammatory cytokines and recruitment of neutrophils to the peritoneal cavity. <i>Free Radical Biology and Medicine</i> , 2018, 116, 73-87.	1.3	30
22	<i>Salmonella Typhimurium</i> encoded cold shock protein E is essential for motility and biofilm formation. <i>Microbiology (United Kingdom)</i> , 2020, 166, 460-473.	0.7	29
23	Interplay of cold shock protein E with an uncharacterized protein, YciF, lowers porin expression and enhances bile resistance in <i>Salmonella Typhimurium</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 9084-9099.	1.6	27
24	Targeted photocytotoxicity by copper(II) complexes having vitamin B6 and photoactive acridine moieties. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 497-509.	2.6	26
25	Toll-like receptor 2 deficiency hyperactivates the FoxO1 transcription factor and induces aging-associated cardiac dysfunction in mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 13073-13089.	1.6	25
26	Identification of Early Biomarkers during Acetaminophen-Induced Hepatotoxicity by Fourier Transform Infrared Microspectroscopy. <i>PLoS ONE</i> , 2012, 7, e45521.	1.1	25
27	T cell costimulation, checkpoint inhibitors and anti-tumor therapy. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	24
28	Profiling antibiotic resistance in <i>Escherichia coli</i> strains displaying differential antibiotic susceptibilities using Raman spectroscopy. <i>Journal of Biophotonics</i> , 2021, 14, e202000231.	1.1	24
29	Targeted photodynamic therapy in visible light using BODIPY-appended copper(II) complexes of a vitamin B6-Schiff base. <i>Dalton Transactions</i> , 2018, 47, 823-835.	1.6	24
30	Characterization of two M17 family members in <i>Escherichia coli</i> , Peptidase A and Peptidase B. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 76-81.	1.0	22
31	Understanding the effects of culture conditions in bacterial growth: A biochemical perspective using Raman microscopy. <i>Journal of Biophotonics</i> , 2020, 13, e201900233.	1.1	22
32	Role of CD80, CD86, and CTLA4 on mouse CD4(+) T lymphocytes in enhancing cell-cycle progression and survival after activation with PMA and ionomycin. <i>Journal of Leukocyte Biology</i> , 2002, 72, 921-31.	1.5	22
33	Differential susceptibility and maturation of thymocyte subsets during <i>Salmonella Typhimurium</i> infection: insights on the roles of glucocorticoids and Interferon-gamma. <i>Scientific Reports</i> , 2017, 7, 40793.	1.6	21
34	Involvement of oxidative and nitrosative stress in modulation of gene expression and functional responses by IFN α . <i>International Immunology</i> , 2007, 19, 867-879.	1.8	20
35	Regulation of Chemokines, CCL3 and CCL4, by Interferon β and Nitric Oxide Synthase 2 in Mouse Macrophages and During <i>Salmonella enterica</i> Serovar <i>Typhimurium</i> Infection. <i>Journal of Infectious Diseases</i> , 2013, 207, 1556-1568.	1.9	20
36	Molecular profiling of sepsis in mice using Fourier Transform Infrared Microspectroscopy. <i>Journal of Biophotonics</i> , 2016, 9, 67-82.	1.1	20

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37	Î³ T Cells in Murine Epithelia: Origin, Repertoire, and Function. <i>Advances in Experimental Medicine and Biology</i> , 1991, 292, 63-69.	0.8	20
38	Farnesyltransferase inhibitors reduce ras activation and ameliorate acetaminophen-induced liver injury in mice. <i>Hepatology</i> , 2009, 50, 1547-1557.	3.6	19
39	UDP-glucose 4, 6-dehydratase Activity Plays an Important Role in Maintaining Cell Wall Integrity and Virulence of <i>Candida albicans</i> . <i>PLoS Pathogens</i> , 2011, 7, e1002384.	2.1	18
40	Insights into coumarin-mediated inhibition of biofilm formation in <i>Salmonella</i> Typhimurium. <i>Biofouling</i> , 2020, 36, 479-491.	0.8	18
41	Characterization and role of Peptidase N from <i>Salmonella enterica</i> serovar Typhimurium. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 706-712.	1.0	17
42	Iron(III) Complexes of Vitamin B ₆ Schiff Base with Boron-Dipyrromethene Pendants for Lysosome-Selective Photocytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1522-1532.	1.0	15
43	Particle uptake driven phagocytosis in macrophages and neutrophils enhances bacterial clearance. <i>Journal of Controlled Release</i> , 2022, 343, 131-141.	4.8	15
44	IFN-Î³ bioassay: development of a sensitive method by measuring nitric oxide production by peritoneal exudate cells from C57BL/6 mice. <i>Journal of Immunological Methods</i> , 2003, 272, 55-65.	0.6	14
45	CTLA4-CD80/CD86 interactions on primary mouse CD4 ⁺ T cells integrate signal-strength information to modulate activation with Concanavalin A. <i>Journal of Leukocyte Biology</i> , 2005, 78, 144-157.	1.5	13
46	Peptidase N encoded by <i>Salmonella enterica</i> serovar Typhimurium modulates systemic infection in mice. <i>FEMS Immunology and Medical Microbiology</i> , 2007, 51, 431-442.	2.7	13
47	Intracellular concentrations of Ca ²⁺ modulate the strength of signal and alter the outcomes of cytotoxic T lymphocyte antigen-4 (CD152)-CD80/CD86 interactions in CD4 ⁺ T lymphocytes. <i>Immunology</i> , 2009, 126, 363-377.	2.0	13
48	Interferon-Gamma and Nitric Oxide Synthase 2 Mediate the Aggregation of Resident Adherent Peritoneal Exudate Cells: Implications for the Host Response to Pathogens. <i>PLoS ONE</i> , 2015, 10, e0128301.	1.1	13
49	Non-steroidal anti-inflammatory drugs, Acetaminophen and Ibuprofen, induce phenotypic antibiotic resistance in <i>Escherichia coli</i> : roles of marA and acrB. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	13
50	Raman spectroscopy reveals distinct differences between two closely related bacterial strains, <i>Mycobacterium indicus pranii</i> and <i>Mycobacterium intracellulare</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7997-8009.	1.9	12
51	How Do Endogenous Proteins Become Peptides and Reach the Endoplasmic Reticulum. <i>Current Topics in Microbiology and Immunology</i> , 1998, 232, 15-47.	0.7	12
52	Importance of non-conserved distal carboxyl terminal amino acids in two peptidases belonging to the M1 family: <i>Thermoplasma acidophilum</i> Tricorn interacting factor F2 and <i>Escherichia coli</i> Peptidase N. <i>Biochimie</i> , 2009, 91, 1145-1155.	1.3	11
53	Roles of <i>Salmonella enterica</i> serovar Typhimurium encoded Peptidase N during systemic infection of <i>Irf1</i> ^{-/-} mice. <i>Immunobiology</i> , 2012, 217, 354-362.	0.8	11
54	Catalytic activity of Peptidase N is required for adaptation of <i>Escherichia coli</i> to nutritional downshift and high temperature stress. <i>Microbiological Research</i> , 2013, 168, 56-64.	2.5	11

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55	c-Jun NH ₂ -terminal kinase is a critical node in the death of CD ⁴ ⁺ thymocytes during <i>Salmonella enterica</i> serovar Typhimurium infection. <i>European Journal of Immunology</i> , 2014, 44, 137-149.	1.6	11
56	Photocytotoxic Activity of Copper(II) and Zinc(II) Complexes of Curcumin and (Acridinyl)dipyridophenazine. <i>ChemistrySelect</i> , 2019, 4, 9647-9658.	0.7	11
57	Cloning and characterization of mouse Lmp3 cDNA, encoding a proteasome β^2 subunit. <i>Gene</i> , 1997, 190, 251-256.	1.0	10
58	Absence of Receptor Guanylyl Cyclase C Enhances Ileal Damage and Reduces Cytokine and Antimicrobial Peptide Production during Oral <i>Salmonella enterica</i> Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2018, 86, .	1.0	10
59	Comparative analysis of thymic subpopulations during different modes of atrophy identifies the reactive oxygen species scavenger, <i>N</i> -acetyl cysteine, to increase the survival of thymocytes during infection-induced and lipopolysaccharide-induced thymic atrophy. <i>Immunology</i> , 2019, 157, 21-36.	2.0	10
60	Biotin-Appended Iron(III) Complexes of Curcumin for Targeted Photo-Chemotherapy. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1640-1650.	1.0	10
61	The MHC-encoded class I molecule, H-2Kk, demonstrates distinct requirements of assembly factors for cell surface expression: roles of TAP, Tapasin and β^2 -microglobulin. <i>Molecular Immunology</i> , 2004, 41, 1029-1045.	1.0	9
62	Immunotherapy for Tuberculous Pericarditis. <i>New England Journal of Medicine</i> , 2014, 371, 2531-2535.	13.9	9
63	Bichromophoric ruthenium(II) bis-terpyridine-BODIPY based photosensitizers for cellular imaging and photodynamic therapy. <i>Dalton Transactions</i> , 2022, 51, 10392-10405.	1.6	9
64	Modulation of cell cycle progression by CTLA4-CD80/CD86 interactions on CD4 ⁺ T cells depends on strength of the CD3 signal: critical role for IL-2. <i>Journal of Leukocyte Biology</i> , 2006, 80, 66-74.	1.5	8
65	The barley lectin, horcolin, binds high-mannose glycans in a multivalent fashion, enabling high-affinity, specific inhibition of cellular HIV infection. <i>Journal of Biological Chemistry</i> , 2020, 295, 12111-12129.	1.6	8
66	Identification of a resonance Raman marker for cytochrome to monitor stress responses in <i>Escherichia coli</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5379-5388.	1.9	8
67	Countries with high deaths due to flu and tuberculosis demonstrate lower COVID-19 mortality: roles of vaccinations. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 2851-2862.	1.4	8
68	Molecular and serological analysis of polymorphisms in the murine major histocompatibility complex-encoded proteasome subunits, LMP-2 and LMP-7. <i>Experimental and Clinical Immunogenetics</i> , 1996, 13, 20-9.	1.4	8
69	Facile Fabrication of Multifunctional ZnO Urchins on Surfaces. <i>Colloids and Interfaces</i> , 2018, 2, 74.	0.9	6
70	7-Hydroxy Frullanolide, a sesquiterpene lactone, increases intracellular calcium amounts, lowers CD4 ⁺ T cell and macrophage responses, and ameliorates DSS-induced colitis. <i>International Immunopharmacology</i> , 2021, 97, 107655.	1.7	6
71	T cell costimulation, checkpoint inhibitors and anti-tumor therapy. <i>Journal of Biosciences</i> , 2020, 45, .	0.5	6
72	Multicellular String-Like Structure Formation by <i>Salmonella Typhimurium</i> Depends on Cellulose Production: Roles of Diguanylate Cyclases, YedQ and YfiN. <i>Frontiers in Microbiology</i> , 2020, 11, 613704.	1.5	5

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73	Efficacy of Bacteria in Cancer Immunotherapy: Special Emphasis on the Potential of Mycobacterial Species. <i>Clinical Cancer Drugs</i> , 2016, 3, 100-108.	0.3	5
74	The major players in adaptive immunity. <i>Resonance</i> , 2009, 14, 455-471.	0.2	4
75	The major players in adaptive immunity. <i>Resonance</i> , 2009, 14, 610-621.	0.2	4
76	Interferon-gamma independently activates the MHC class I antigen processing pathway and diminishes glucose responsiveness in pancreatic beta-cell lines. <i>Diabetes</i> , 1997, 46, 770-778.	0.3	4
77	Rapid burst of H ₂ O ₂ by plant growth regulators increases intracellular Ca ²⁺ amounts and modulates CD4 ⁺ T cell activation. <i>International Immunopharmacology</i> , 2010, 10, 1397-1405.	1.7	3
78	Thymus. <i>Resonance</i> , 2018, 23, 197-217.	0.2	3
79	Cell-free hemoglobin is a marker of systemic inflammation in mouse models of sepsis: a Raman spectroscopic study. <i>Analyst</i> , The, 2021, 146, 4022-4032.	1.7	3
80	T Cell Activation and Function: Role of Signal Strength. , 2011, , 75-105.		3
81	Interaction Between Two Residues in the Inter-Domain Interface of Escherichia coli Peptidase N Modulates Catalytic Activity. <i>Protein and Peptide Letters</i> , 2009, 16, 415-422.	0.4	2
82	Understanding the Roles of Nitric Oxide During Sepsis, an Inflammatory Disorder. , 2019, , 243-276.		2
83	Protein Tagging, Destruction and Infection. <i>Current Protein and Peptide Science</i> , 2017, 19, 155-171.	0.7	2
84	Innate immunity and the 2011 Nobel Prize. <i>Resonance</i> , 2012, 17, 974-995.	0.2	1
85	Alanyl Aminopeptidase (Bacterial-type). , 2013, , 456-462.		1
86	Autoimmune-prone lpr mice exhibit a prolonged but lethal infection with an attenuated Salmonella Typhimurium strain. <i>Microbial Pathogenesis</i> , 2021, 150, 104684.	1.3	1
87	Neuronal modulation of the immune response. <i>Journal of Biosciences</i> , 2008, 33, 635-637.	0.5	0
88	Infrared spectroscopic studies to understand the effect of drugs at molecular level. , 2012, , .		0
89	Agent-Based Model of Heterogeneous T-Cell Activation in Vitro. , 2021, , 241-256.		0
90	Peptidase B (Escherichia coli). , 2013, , 1492-1494.		0

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91	Importance of Amino Acids, Gln-119 and Tyr-376, in the S1 Pocket of Escherichia coli Peptidase N in Determining Substrate Specificity. Protein and Peptide Letters, 2016, 23, 548-561.	0.4	0