Dipankar Nandi

List of Publications by Year
in descending order

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91 papers	3,065 citations	279701 23 h-index	175177 52 g-index
99 all docs	99 docs citations	99 times ranked	4274 citing authors

#	Article	IF	Citations
1	Particle uptake driven phagocytosis in macrophages and neutrophils enhances bacterial clearance. Journal of Controlled Release, 2022, 343, 131-141.	4.8	15
2	Bichromophoric ruthenium(<scp>ii</scp>) bis-terpyridine-BODIPY based photosensitizers for cellular imaging and photodynamic therapy. Dalton Transactions, 2022, 51, 10392-10405.	1.6	9
3	Autoimmune-prone lpr mice exhibit a prolonged but lethal infection with an attenuated Salmonella Typhimurium strain. Microbial Pathogenesis, 2021, 150, 104684.	1.3	1
4	Cell-free hemoglobin is a marker of systemic inflammation in mouse models of sepsis: a Raman spectroscopic study. Analyst, The, 2021, 146, 4022-4032.	1.7	3
5	Agent-Based Model of Heterogeneous T-Cell Activation in Vitro. , 2021, , 241-256.		0
6	Countries with high deaths due to flu and tuberculosis demonstrate lower COVID-19 mortality: roles of vaccinations. Human Vaccines and Immunotherapeutics, 2021, 17, 2851-2862.	1.4	8
7	Biotinâ€Appended Iron(III) Complexes of Curcumin for Targeted Photoâ€Chemotherapy. European Journal of Inorganic Chemistry, 2021, 2021, 1640-1650.	1.0	10
8	7-Hydroxy Frullanolide, a sesquiterpene lactone, increases intracellular calcium amounts, lowers CD4+ T cell and macrophage responses, and ameliorates DSS-induced colitis. International Immunopharmacology, 2021, 97, 107655.	1.7	6
9	Profiling antibiotic resistance in <scp>Escherichia coli</scp> strains displaying differential antibiotic susceptibilities using Raman spectroscopy. Journal of Biophotonics, 2021, 14, e202000231.	1.1	24
10	Understanding the effects of culture conditions in bacterial growth: A biochemical perspective using Raman microscopy. Journal of Biophotonics, 2020, 13, e201900233.	1.1	22
11	The barley lectin, horcolin, binds high-mannose glycans in a multivalent fashion, enabling high-affinity, specific inhibition of cellular HIV infection. Journal of Biological Chemistry, 2020, 295, 12111-12129.	1.6	8
12	Multicellular String-Like Structure Formation by Salmonella Typhimurium Depends on Cellulose Production: Roles of Diguanylate Cyclases, YedQ and YfiN. Frontiers in Microbiology, 2020, 11, 613704.	1.5	5
13	Insights into coumarin-mediated inhibition of biofilm formation in Salmonella Typhimurium. Biofouling, 2020, 36, 479-491.	0.8	18
14	Identification of a resonance Raman marker for cytochrome to monitor stress responses in Escherichia coli. Analytical and Bioanalytical Chemistry, 2020, 412, 5379-5388.	1.9	8
15	T cell costimulation, checkpoint inhibitors and anti-tumor therapy. Journal of Biosciences, 2020, 45, 1.	0.5	24
16	Salmonella Typhimurium encoded cold shock protein E is essential for motility and biofilm formation. Microbiology (United Kingdom), 2020, 166, 460-473.	0.7	29
17	T cell costimulation, checkpoint inhibitors and anti-tumor therapy. Journal of Biosciences, 2020, 45, .	0.5	6
18	Photocytotoxic Activity of Copper(II) and Zinc(II) Complexes of Curcumin and (Acridinyl)dipyridophenazine. ChemistrySelect, 2019, 4, 9647-9658.	0.7	11

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19	Comparative analysis of thymic subpopulations during different modes of atrophy identifies the reactive oxygen species scavenger, Nâ€acetyl cysteine, to increase the survival of thymocytes during infectionâ€induced and lipopolysaccharideâ€induced thymic atrophy. Immunology, 2019, 157, 21-36.	2.0	10
20	Interplay of cold shock protein E with an uncharacterized protein, YciF, lowers porin expression and enhances bile resistance in Salmonella Typhimurium. Journal of Biological Chemistry, 2019, 294, 9084-9099.	1.6	27
21	Understanding the Roles of Nitric Oxide During Sepsis, an Inflammatory Disorder. , 2019, , 243-276.		2
22	Raman spectroscopy reveals distinct differences between two closely related bacterial strains, Mycobacterium indicus pranii and Mycobacterium intracellulare. Analytical and Bioanalytical Chemistry, 2019, 411, 7997-8009.	1.9	12
23	Absence of Receptor Guanylyl Cyclase C Enhances Ileal Damage and Reduces Cytokine and Antimicrobial Peptide Production during Oral Salmonella enterica Serovar Typhimurium Infection. Infection and Immunity, 2018, 86, .	1.0	10
24	Iron(III) Complexes of Vitamin B₆ Schiff Base with Boronâ€Dipyrromethene Pendants for Lysosomeâ€Selective Photocytotoxicity. European Journal of Inorganic Chemistry, 2018, 2018, 1522-1532.	1.0	15
25	Nitric oxide synthase 2 enhances the survival of mice during Salmonella Typhimurium infection-induced sepsis by increasing reactive oxygen species, inflammatory cytokines and recruitment of neutrophils to the peritoneal cavity. Free Radical Biology and Medicine, 2018, 116, 73-87.	1.3	30
26	Thymic Atrophy: Experimental Studies and Therapeutic Interventions. Scandinavian Journal of Immunology, 2018, 87, 4-14.	1.3	57
27	Facile Fabrication of Multifunctional ZnO Urchins on Surfaces. Colloids and Interfaces, 2018, 2, 74.	0.9	6
28	Non-steroidal anti-inflammatory drugs, Acetaminophen and Ibuprofen, induce phenotypic antibiotic resistance in Escherichia coli: roles of marA and acrB. FEMS Microbiology Letters, 2018, 365, .	0.7	13
29	Toll-like receptor 2 deficiency hyperactivates the FoxO1 transcription factor and induces aging-associated cardiac dysfunction in mice. Journal of Biological Chemistry, 2018, 293, 13073-13089.	1.6	25
30	Fabrication of Low-Cost Flexible Superhydrophobic Antibacterial Surface with Dual-Scale Roughness. ACS Biomaterials Science and Engineering, 2018, 4, 2213-2223.	2.6	61
31	Thymus. Resonance, 2018, 23, 197-217.	0.2	3
32	Targeted photodynamic therapy in visible light using BODIPY-appended copper(<scp>ii</scp>) complexes of a vitamin B₆Schiff base. Dalton Transactions, 2018, 47, 823-835.	1.6	24
33	Dualâ€Mode Optical Sensing of Histamine at Nanomolar Concentrations in Complex Biological Fluids and Living Cells. Chemistry - A European Journal, 2017, 23, 11891-11897.	1.7	31
34	Enhancing the Bactericidal Efficacy of Nanostructured Multifunctional Surface Using an Ultrathin Metal Coating. Langmuir, 2017, 33, 12569-12579.	1.6	49
35	Differential susceptibility and maturation of thymocyte subsets during Salmonella Typhimurium infection: insights on the roles of glucocorticoids and Interferon-gamma. Scientific Reports, 2017, 7, 40793.	1.6	21
36	Protein Tagging, Destruction and Infection. Current Protein and Peptide Science, 2017, 19, 155-171.	0.7	2

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37	Targeted photocytotoxicity by copper(II) complexes having vitamin B 6 and photoactive acridine moieties. European Journal of Medicinal Chemistry, 2016, 122, 497-509.	2.6	26
38	Molecular profiling of sepsis in mice using Fourier Transform Infrared Microspectroscopy. Journal of Biophotonics, 2016, 9, 67-82.	1.1	20
39	Roles of Lon protease and its substrate MarA during sodium salicylate-mediated growth reduction and antibiotic resistance in Escherichia coli. Microbiology (United Kingdom), 2016, 162, 764-776.	0.7	33
40	Efficacy of Bacteria in Cancer Immunotherapy: Special Emphasis on the Potential of Mycobacterial Species. Clinical Cancer Drugs, 2016, 3, 100-108.	0.3	5
41	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
42	Interferon-Gamma and Nitric Oxide Synthase 2 Mediate the Aggregation of Resident Adherent Peritoneal Exudate Cells: Implications for the Host Response to Pathogens. PLoS ONE, 2015, 10, e0128301.	1.1	13
43	Immunotherapy for Tuberculous Pericarditis. New England Journal of Medicine, 2014, 371, 2531-2535.	13.9	9
44	câ€Jun NH₂â€terminal kinase is a critical node in the death of <scp>CD</scp>4⁺<scp>CD</scp>8⁺ thymocytes during Salmonella enterica serovar Typhimurium infection. European Journal of Immunology, 2014, 44, 137-149.	1.6	11
45	Interferon-gamma induced cell death: Regulation and contributions of nitric oxide, cJun N-terminal kinase, reactive oxygen species and peroxynitrite. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2645-2661.	1.9	36
46	Interferonâ€Î³â€•and glucocorticoidâ€mediated pathways synergize to enhance death of CD4⁺ÂCD8⁺ thymocytes during Salmonella enterica serovar Typhimurium infection. Immunology, 2013, 138, 307-321.	2.0	33
47	Catalytic activity of Peptidase N is required for adaptation of Escherichia coli to nutritional downshift and high temperature stress. Microbiological Research, 2013, 168, 56-64.	2.5	11
48	Regulation of Chemokines, CCL3 and CCL4, by Interferon Î³ and Nitric Oxide Synthase 2 in Mouse Macrophages and During Salmonella enterica Serovar Typhimurium Infection. Journal of Infectious Diseases, 2013, 207, 1556-1568.	1.9	20
49	Alanyl Aminopeptidase (Bacterial-type). , 2013, , 456-462.		1
50	Peptidase B (Escherichia coli). , 2013, , 1492-1494.		0
51	Infrared spectroscopic studies to understand the effect of drugs at molecular level. , 2012, , .		0
52	Roles of Salmonella enterica serovar Typhimurium encoded Peptidase N during systemic infection of IfnÎ³â^'/â^' mice. Immunobiology, 2012, 217, 354-362.	0.8	11
53	Innate immunity and the 2011 Nobel Prize. Resonance, 2012, 17, 974-995.	0.2	1
54	Immunotherapeutic efficacy of Mycobacterium indicus pranii in eliciting antiâ€tumor T cell responses: Critical roles of IFNÎ³. International Journal of Cancer, 2012, 130, 865-875.	2.3	48

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55	Identification of Early Biomarkers during Acetaminophen-Induced Hepatotoxicity by Fourier Transform Infrared Microspectroscopy. PLoS ONE, 2012, 7, e45521.	1.1	25
56	UDP-glucose 4, 6-dehydratase Activity Plays an Important Role in Maintaining Cell Wall Integrity and Virulence of Candida albicans. PLoS Pathogens, 2011, 7, e1002384.	2.1	18
57	T Cell Activation and Function: Role of Signal Strength. , 2011, , 75-105.		3
58	Gene modulation and immunoregulatory roles of InterferonÎ³. Cytokine, 2010, 50, 1-14.	1.4	275
59	Rapid burst of H2O2 by plant growth regulators increases intracellular Ca2+ amounts and modulates CD4+ T cell activation. International Immunopharmacology, 2010, 10, 1397-1405.	1.7	3
60	Characterization of two M17 family members in Escherichia coli, Peptidase A and Peptidase B. Biochemical and Biophysical Research Communications, 2010, 395, 76-81.	1.0	22
61	Farnesyltransferase inhibitors reduce ras activation and ameliorate acetaminophen-induced liver injury in mice. Hepatology, 2009, 50, 1547-1557.	3.6	19
62	The major players in adaptive immunity. Resonance, 2009, 14, 455-471.	0.2	4
63	The major players in adaptive immunity. Resonance, 2009, 14, 610-621.	0.2	4
64	Intracellular concentrations of Ca²⁺ modulate the strength of signal and alter the outcomes of cytotoxic Tâ€lymphocyte antigenâ€4 (CD152)â€“CD80/CD86 interactions in CD4⁺ T lymphocytes. Immunology, 2009, 126, 363-377.	2.0	13
65	Importance of non-conserved distal carboxyl terminal amino acids in two peptidases belonging to the M1 family: Thermoplasma acidophilum Tricorn interacting factor F2 and Escherichia coli Peptidase N. Biochimie, 2009, 91, 1145-1155.	1.3	11
66	Interaction Between Two Residues in the Inter-Domain Interface of Escherichia coli Peptidase N Modulates Catalytic Activity. Protein and Peptide Letters, 2009, 16, 415-422.	0.4	2
67	Neuronal modulation of the immune response. Journal of Biosciences, 2008, 33, 635-637.	0.5	0
68	Involvement of oxidative and nitrosative stress in modulation of gene expression and functional responses by IFNÂ. International Immunology, 2007, 19, 867-879.	1.8	20
69	Characterization and role of Peptidase N from Salmonella enterica serovar Typhimurium. Biochemical and Biophysical Research Communications, 2007, 353, 706-712.	1.0	17
70	Peptidase N encoded bySalmonella entericaserovar Typhimurium modulates systemic infection in mice. FEMS Immunology and Medical Microbiology, 2007, 51, 431-442.	2.7	13
71	The ubiquitin-proteasome system. Journal of Biosciences, 2006, 31, 137-155.	0.5	507
72	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. Journal of Leukocyte Biology, 2006, 80, 66-74.	1.5	8

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73	CTLA4-CD80/CD86 interactions on primary mouse CD4+ T cells integrate signal-strength information to modulate activation with Concanavalin A. Journal of Leukocyte Biology, 2005, 78, 144-157.	1.5	13
74	Comparative genomics and functional roles of the ATP-dependent proteases Lon and Clp during cytosolic protein degradation. Research in Microbiology, 2004, 155, 710-719.	1.0	58
75	The MHC-encoded class I molecule, H-2Kk, demonstrates distinct requirements of assembly factors for cell surface expression: roles of TAP, Tapasin and Î²2-microglobulin. Molecular Immunology, 2004, 41, 1029-1045.	1.0	9
76	IFN-Î³ bioassay: development of a sensitive method by measuring nitric oxide production by peritoneal exudate cells from C57BL/6 mice. Journal of Immunological Methods, 2003, 272, 55-65.	0.6	14
77	PepN is the major aminopeptidase in Escherichia coli: insights on substrate specificity and role during sodium-salicylate-induced stress. Microbiology (United Kingdom), 2003, 149, 3437-3447.	0.7	61
78	PepN, the Major Suc-LLVY-AMC-hydrolyzing Enzyme inEscherichia coli, Displays Functional Similarity with Downstream Processing Enzymes in Archaea and Eukarya. Journal of Biological Chemistry, 2003, 278, 5548-5556.	1.6	37
79	Role of CD80, CD86, and CTLA4 on mouse CD4(+) T lymphocytes in enhancing cell-cycle progression and survival after activation with PMA and ionomycin. Journal of Leukocyte Biology, 2002, 72, 921-31.	1.5	22
80	The complete primary structure of mouse 20S proteasomes. Immunogenetics, 1999, 49, 835-842.	1.2	39
81	Immunoproteasome Assembly: Cooperative Incorporation of Interferon Î³ (IFN-Î³)â€“inducible Subunits. Journal of Experimental Medicine, 1998, 187, 97-104.	4.2	404
82	Physical and Functional Association of the Major Histocompatibility Complex Class I Heavy Chain Î±3 Domain with the Transporter Associated with Antigen Processing. Journal of Experimental Medicine, 1998, 187, 865-874.	4.2	40
83	How Do Endogenous Proteins Become Peptides and Reach the Endoplasmic Reticulum. Current Topics in Microbiology and Immunology, 1998, 232, 15-47.	0.7	12
84	Cloning and characterization of mouse Lmp3 cDNA, encoding a proteasome Î² subunit. Gene, 1997, 190, 251-256.	1.0	10
85	Intermediates in the formation of mouse 20S proteasomes: implications for the assembly of precursor beta subunits. EMBO Journal, 1997, 16, 5363-5375.	3.5	166
86	Interferon-gamma independently activates the MHC class I antigen processing pathway and diminishes glucose responsiveness in pancreatic beta-cell lines. Diabetes, 1997, 46, 770-778.	0.3	4
87	Identification of MECL-1 (LMP-10) as the third IFN-gamma-inducible proteasome subunit. Journal of Immunology, 1996, 156, 2361-4.	0.4	143
88	Molecular and serological analysis of polymorphisms in the murine major histocompatibility complex-encoded proteasome subunits, LMP-2 and LMP-7. Experimental and Clinical Immunogenetics, 1996, 13, 20-9.	1.4	8
89	The Genetics of Proteasomes and Antigen Processing. Annual Review of Genetics, 1995, 29, 729-754.	3.2	110
90	Intrathymic differentiation of V gamma 3 T cells.. Journal of Experimental Medicine, 1993, 178, 309-315.	4.2	45

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91	Î³Î´ T Cells in Murine Epithelia: Origin, Repertoire, and Function. Advances in Experimental Medicine and Biology, 1991, 292, 63-69.	0.8	20