

# Dipankar Nandi

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

3,065  
citations

279798

23  
h-index

175258

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. <i>Journal of Controlled Release</i> , 2022, 343, 131-141.   | 9.9 | 15        |
| 2  | Bichromophoric ruthenium(II) bis-terpyridine-BODIPY based photosensitizers for cellular imaging and photodynamic therapy. <i>Dalton Transactions</i> , 2022, 51, 10392-10405.   | 3.3 | 9         |
| 3  | Autoimmune-prone Ipr mice exhibit a prolonged but lethal infection with an attenuated <i>Salmonella Typhimurium</i> strain. <i>Microbial Pathogenesis</i> , 2021, 150, 104684.  | 2.9 | 1         |
| 4  | Cell-free hemoglobin is a marker of systemic inflammation in mouse models of sepsis: a Raman spectroscopic study. <i>Analyst</i> , 2021, 146, 4022-4032.  | 3.5 | 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. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 2851-2862.   | 3.3 | 8         |
| 7  | Biotin-Appended Iron(III) Complexes of Curcumin for Targeted Photo-Chemotherapy. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1640-1650.  | 2.0 | 10        |
| 8  | 7-Hydroxy Frullanolide, a sesquiterpene lactone, increases intracellular calcium amounts, lowers CD4+ T cell and macrophage responses, and ameliorates DSS-induced colitis. <i>International Immunopharmacology</i> , 2021, 97, 107655. | 3.8 | 6         |
| 9  | Profiling antibiotic resistance in <i>Escherichia coli</i> strains displaying differential antibiotic susceptibilities using Raman spectroscopy. <i>Journal of Biophotonics</i> , 2021, 14, e202000231.                                 | 2.3 | 24        |
| 10 | Understanding the effects of culture conditions in bacterial growth: A biochemical perspective using Raman microscopy. <i>Journal of Biophotonics</i> , 2020, 13, e201900233.   | 2.3 | 22        |
| 11 | 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.               | 3.4 | 8         |
| 12 | 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.                      | 3.5 | 5         |
| 13 | Insights into coumarin-mediated inhibition of biofilm formation in <i>Salmonella Typhimurium</i> . <i>Biofouling</i> , 2020, 36, 479-491.   | 2.2 | 18        |
| 14 | 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.  | 3.7 | 8         |
| 15 | T cell costimulation, checkpoint inhibitors and anti-tumor therapy. <i>Journal of Biosciences</i> , 2020, 45, 1.  | 1.1 | 24        |
| 16 | <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.  | 1.8 | 29        |
| 17 | T cell costimulation, checkpoint inhibitors and anti-tumor therapy. <i>Journal of Biosciences</i> , 2020, 45, .   | 1.1 | 6         |
| 18 | Photocytotoxic Activity of Copper(II) and Zinc(II) Complexes of Curcumin and (Acridinyl)dipyridophenazine. <i>ChemistrySelect</i> , 2019, 4, 9647-9658.   | 1.5 | 11        |

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|----|---|-----|-----------|
| 19 | 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. | 4.4 | 10        |
| 20 | 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.   | 3.4 | 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, <i>Mycobacterium indicus pranii</i> and <i>Mycobacterium intracellulare</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7997-8009.  | 3.7 | 12        |
| 23 | Absence of Receptor Guanylyl Cyclase C Enhances Ileal Damage and Reduces Cytokine and Antimicrobial Peptide Production during Oral <i>Salmonella enterica</i> Serovar <i>Typhimurium</i> Infection. <i>Infection and Immunity</i> , 2018, 86, .   | 2.2 | 10        |
| 24 | Iron(III) Complexes of Vitamin B <sub>6</sub> Schiff Base with Boron-Dipyrromethene Pendants for Lysosome-Selective Photocytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1522-1532.  | 2.0 | 15        |
| 25 | 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.           | 2.9 | 30        |
| 26 | Thymic Atrophy: Experimental Studies and Therapeutic Interventions. <i>Scandinavian Journal of Immunology</i> , 2018, 87, 4-14.   | 2.7 | 57        |
| 27 | Facile Fabrication of Multifunctional ZnO Urchins on Surfaces. <i>Colloids and Interfaces</i> , 2018, 2, 74.  | 2.1 | 6         |
| 28 | Non-steroidal anti-inflammatory drugs, Acetaminophen and Ibuprofen, induce phenotypic antibiotic resistance in <i>Escherichia coli</i> : roles of <i>marA</i> and <i>acrB</i> . <i>FEMS Microbiology Letters</i> , 2018, 365, .   | 1.8 | 13        |
| 29 | 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.  | 3.4 | 25        |
| 30 | Fabrication of Low-Cost Flexible Superhydrophobic Antibacterial Surface with Dual-Scale Roughness. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2213-2223.  | 5.2 | 61        |
| 31 | Thymus. <i>Resonance</i> , 2018, 23, 197-217.   | 0.3 | 3         |
| 32 | Targeted photodynamic therapy in visible light using BODIPY-appended copper(II) complexes of a vitamin B <sub>6</sub> Schiff base. <i>Dalton Transactions</i> , 2018, 47, 823-835.  | 3.3 | 24        |
| 33 | 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.  | 3.3 | 31        |
| 34 | Enhancing the Bactericidal Efficacy of Nanostructured Multifunctional Surface Using an Ultrathin Metal Coating. <i>Langmuir</i> , 2017, 33, 12569-12579.  | 3.5 | 49        |
| 35 | 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.  | 3.3 | 21        |
| 36 | Protein Tagging, Destruction and Infection. <i>Current Protein and Peptide Science</i> , 2017, 19, 155-171.   | 1.4 | 2         |

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|----|---|------|-----------|
| 37 | Targeted photocytotoxicity by copper(II) complexes having vitamin B 6 and photoactive acridine moieties. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 497-509.   | 5.5  | 26        |
| 38 | Molecular profiling of sepsis in mice using Fourier Transform Infrared Microspectroscopy. <i>Journal of Biophotonics</i> , 2016, 9, 67-82.  | 2.3  | 20        |
| 39 | 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.                                   | 1.8  | 33        |
| 40 | 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         |
| 41 | Importance of Amino Acids, Gln-119 and Tyr-376, in the S1 Pocket of <i>Escherichia coli</i> Peptidase N in Determining Substrate Specificity. <i>Protein and Peptide Letters</i> , 2016, 23, 548-561.   | 0.9  | 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. <i>PLoS ONE</i> , 2015, 10, e0128301.  | 2.5  | 13        |
| 43 | Immunotherapy for Tuberculous Pericarditis. <i>New England Journal of Medicine</i> , 2014, 371, 2531-2535.  | 27.0 | 9         |
| 44 | Jun NH2-terminal kinase is a critical node in the death of CD4 <sup>+</sup> CD8 <sup>+</sup> thymocytes during <i>Salmonella enterica</i> serovar Typhimurium infection. <i>European Journal of Immunology</i> , 2014, 44, 137-149.                 | 2.9  | 11        |
| 45 | Interferon-gamma induced cell death: Regulation and contributions of nitric oxide, Jun N-terminal kinase, reactive oxygen species and peroxynitrite. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2645-2661.        | 4.1  | 36        |
| 46 | Interferon- $\gamma$ and glucocorticoid-mediated pathways synergize to enhance death of CD4 <sup>+</sup> CD8 <sup>+</sup> thymocytes during <i>Salmonella enterica</i> serovar Typhimurium infection. <i>Immunology</i> , 2013, 138, 307-321.       | 4.4  | 33        |
| 47 | 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.   | 5.3  | 11        |
| 48 | Regulation of Chemokines, CCL3 and CCL4, by Interferon $\gamma$ and Nitric Oxide Synthase 2 in Mouse Macrophages and During <i>Salmonella enterica</i> Serovar Typhimurium Infection. <i>Journal of Infectious Diseases</i> , 2013, 207, 1556-1568. | 4.0  | 20        |
| 49 | Alanyl Aminopeptidase (Bacterial-type). , 2013, , 456-462.  |      | 1         |
| 50 | Peptidase B ( <i>Escherichia coli</i> ). , 2013, , 1492-1494.   |      | 0         |
| 51 | Infrared spectroscopic studies to understand the effect of drugs at molecular level. , 2012, , .  |      | 0         |
| 52 | Roles of <i>Salmonella enterica</i> serovar Typhimurium encoded Peptidase N during systemic infection of $\beta$ -galactosidase <sup>-</sup> mice. <i>Immunobiology</i> , 2012, 217, 354-362.   | 1.9  | 11        |
| 53 | Innate immunity and the 2011 Nobel Prize. <i>Resonance</i> , 2012, 17, 974-995.   | 0.3  | 1         |
| 54 | Immunotherapeutic efficacy of <i>Mycobacterium indicus pranii</i> in eliciting anti-tumor T cell responses: Critical roles of IFN $\gamma$ . <i>International Journal of Cancer</i> , 2012, 130, 865-875.   | 5.1  | 48        |

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|----|---|-----|-----------|
| 55 | Identification of Early Biomarkers during Acetaminophen-Induced Hepatotoxicity by Fourier Transform Infrared Microspectroscopy. <i>PLoS ONE</i> , 2012, 7, e45521.  | 2.5 | 25        |
| 56 | 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.  | 4.7 | 18        |
| 57 | T Cell Activation and Function: Role of Signal Strength. , 2011, , 75-105.  |     | 3         |
| 58 | Gene modulation and immunoregulatory roles of Interferon $\gamma$ . <i>Cytokine</i> , 2010, 50, 1-14.   | 3.2 | 275       |
| 59 | Rapid burst of H <sub>2</sub> O <sub>2</sub> by plant growth regulators increases intracellular Ca <sup>2+</sup> amounts and modulates CD4 <sup>+</sup> T cell activation. <i>International Immunopharmacology</i> , 2010, 10, 1397-1405.                               | 3.8 | 3         |
| 60 | 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.   | 2.1 | 22        |
| 61 | Farnesyltransferase inhibitors reduce ras activation and ameliorate acetaminophen-induced liver injury in mice. <i>Hepatology</i> , 2009, 50, 1547-1557.  | 7.3 | 19        |
| 62 | The major players in adaptive immunity. <i>Resonance</i> , 2009, 14, 455-471.   | 0.3 | 4         |
| 63 | The major players in adaptive immunity. <i>Resonance</i> , 2009, 14, 610-621.   | 0.3 | 4         |
| 64 | Intracellular concentrations of Ca <sup>2+</sup> modulate the strength of signal and alter the outcomes of cytotoxic T lymphocyte antigen $\alpha$ 4 (CD152) $\alpha$ CD80/CD86 interactions in CD4 <sup>+</sup> T lymphocytes. <i>Immunology</i> , 2009, 126, 363-377. | 4.4 | 13        |
| 65 | 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.           | 2.6 | 11        |
| 66 | Interaction Between Two Residues in the Inter-Domain Interface of <i>Escherichia coli</i> Peptidase N Modulates Catalytic Activity. <i>Protein and Peptide Letters</i> , 2009, 16, 415-422.   | 0.9 | 2         |
| 67 | Neuronal modulation of the immune response. <i>Journal of Biosciences</i> , 2008, 33, 635-637.  | 1.1 | 0         |
| 68 | Involvement of oxidative and nitrosative stress in modulation of gene expression and functional responses by IFN $\alpha$ . <i>International Immunology</i> , 2007, 19, 867-879.  | 4.0 | 20        |
| 69 | Characterization and role of Peptidase N from <i>Salmonella enterica</i> serovar Typhimurium. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 706-712.  | 2.1 | 17        |
| 70 | 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        |
| 71 | The ubiquitin-proteasome system. <i>Journal of Biosciences</i> , 2006, 31, 137-155.   | 1.1 | 507       |
| 72 | Modulation of cell cycle progression by CTLA4-CD80/CD86 interactions on CD4 <sup>+</sup> T cells depends on strength of the CD3 signal: critical role for IL-2. <i>Journal of Leukocyte Biology</i> , 2006, 80, 66-74.  | 3.3 | 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. <i>Journal of Leukocyte Biology</i> , 2005, 78, 144-157.                                     | 3.3 | 13        |
| 74 | 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.  | 2.1 | 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 I $\beta$ 2-microglobulin. <i>Molecular Immunology</i> , 2004, 41, 1029-1045.      | 2.2 | 9         |
| 76 | IFN- $\gamma$ 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.                                 | 1.4 | 14        |
| 77 | 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.                            | 1.8 | 61        |
| 78 | 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.     | 3.4 | 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. <i>Journal of Leukocyte Biology</i> , 2002, 72, 921-31.                             | 3.3 | 22        |
| 80 | The complete primary structure of mouse 20S proteasomes. <i>Immunogenetics</i> , 1999, 49, 835-842.   | 2.4 | 39        |
| 81 | Immunoproteasome Assembly: Cooperative Incorporation of Interferon $\gamma$ (IFN- $\gamma$ )-inducible Subunits. <i>Journal of Experimental Medicine</i> , 1998, 187, 97-104.   | 8.5 | 404       |
| 82 | Physical and Functional Association of the Major Histocompatibility Complex Class I Heavy Chain I $\beta$ 3 Domain with the Transporter Associated with Antigen Processing. <i>Journal of Experimental Medicine</i> , 1998, 187, 865-874. | 8.5 | 40        |
| 83 | How Do Endogenous Proteins Become Peptides and Reach the Endoplasmic Reticulum. <i>Current Topics in Microbiology and Immunology</i> , 1998, 232, 15-47.  | 1.1 | 12        |
| 84 | Cloning and characterization of mouse Lmp3 cDNA, encoding a proteasome I $\beta$ 2 subunit. <i>Gene</i> , 1997, 190, 251-256.   | 2.2 | 10        |
| 85 | Intermediates in the formation of mouse 20S proteasomes: implications for the assembly of precursor beta subunits. <i>EMBO Journal</i> , 1997, 16, 5363-5375.   | 7.8 | 166       |
| 86 | 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.   | 0.6 | 4         |
| 87 | Identification of MECL-1 (LMP-10) as the third IFN-gamma-inducible proteasome subunit. <i>Journal of Immunology</i> , 1996, 156, 2361-4.  | 0.8 | 143       |
| 88 | 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.                        | 1.2 | 8         |
| 89 | The Genetics of Proteasomes and Antigen Processing. <i>Annual Review of Genetics</i> , 1995, 29, 729-754.   | 7.6 | 110       |
| 90 | Intrathymic differentiation of V gamma 3 T cells.. <i>Journal of Experimental Medicine</i> , 1993, 178, 309-315.  | 8.5 | 45        |

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| 91 | Î³Î´ T Cells in Murine Epithelia: Origin, Repertoire, and Function. <i>Advances in Experimental Medicine and Biology</i> , 1991, 292, 63-69. | 1.6 | 20        |