

# Nades Palaniyar

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

5,368  
citations

81900

39  
h-index

91884

69  
g-index

102  
all docs

102  
docs citations

102  
times ranked

7084  
citing authors

#	ARTICLE	IF	CITATIONS
1	NET balancing: a problem in inflammatory lung diseases. <i>Frontiers in Immunology</i> , 2013, 4, 1.	4.8	597
2	SK3 channel and mitochondrial ROS mediate NADPH oxidase-independent NETosis induced by calcium influx. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2817-2822.	7.1	558
3	Collectin 11 (CL-11, CL-K1) Is a MASP-1/3-Associated Plasma Collectin with Microbial-Binding Activity. <i>Journal of Immunology</i> , 2010, 185, 6096-6104.	0.8	184
4	Transcriptional firing helps to drive NETosis. <i>Scientific Reports</i> , 2017, 7, 41749.	3.3	163
5	Surfactant Protein D Reduces Alveolar Macrophage Apoptosis In Vivo. <i>Journal of Immunology</i> , 2002, 169, 2892-2899.	0.8	151
6	Neutrophil Extracellular Trap Formation: Physiology, Pathology, and Pharmacology. <i>Biomolecules</i> , 2019, 9, 365.	4.0	151
7	Nucleic Acid Is a Novel Ligand for Innate, Immune Pattern Recognition Collectins Surfactant Proteins A and D and Mannose-binding Lectin. <i>Journal of Biological Chemistry</i> , 2004, 279, 32728-32736.	3.4	145
8	Akt is essential to induce NADPH-dependent NETosis and to switch the neutrophil death to apoptosis. <i>Blood</i> , 2014, 123, 597-600.	1.4	133
9	JNK Activation Turns on LPS- and Gram-Negative Bacteria-Induced NADPH Oxidase-Dependent Suicidal NETosis. <i>Scientific Reports</i> , 2017, 7, 3409.	3.3	130
10	NETosing Neutrophils Activate Complement Both on Their Own NETs and Bacteria via Alternative and Non-alternative Pathways. <i>Frontiers in Immunology</i> , 2016, 7, 137.	4.8	123
11	Short-chain fatty acids affect cystic fibrosis airway inflammation and bacterial growth. <i>European Respiratory Journal</i> , 2015, 46, 1033-1045.	6.7	120
12	Innate Immune Collectin Surfactant Protein D Simultaneously Binds Both Neutrophil Extracellular Traps and Carbohydrate Ligands and Promotes Bacterial Trapping. <i>Journal of Immunology</i> , 2011, 187, 1856-1865.	0.8	117
13	CXCL1 Contributes to Host Defense in Polymicrobial Sepsis via Modulating T Cell and Neutrophil Functions. <i>Journal of Immunology</i> , 2014, 193, 3549-3558.	0.8	90
14	Alkaline pH Promotes NADPH Oxidase-Independent Neutrophil Extracellular Trap Formation: A Matter of Mitochondrial Reactive Oxygen Species Generation and Citrullination and Cleavage of Histone. <i>Frontiers in Immunology</i> , 2018, 8, 1849.	4.8	90
15	Mannose-Binding Lectin Recognizes Peptidoglycan via the N-Acetyl Glucosamine Moiety, and Inhibits Ligand-Induced Proinflammatory Effect and Promotes Chemokine Production by Macrophages. <i>Journal of Immunology</i> , 2005, 175, 1785-1794.	0.8	88
16	Review: Soluble innate immune pattern-recognition proteins for clearing dying cells and cellular components: implications on exacerbating or resolving inflammation. <i>Innate Immunity</i> , 2010, 16, 191-200.	2.4	82
17	Activation of P2X7 Receptor by ATP Plays an Important Role in Regulating Inflammatory Responses during Acute Viral Infection. <i>PLoS ONE</i> , 2012, 7, e35812.	2.5	81
18	Cryoelectron Microscopy of Protein-Lipid Complexes of Human Myelin Basic Protein Charge Isomers Differing in Degree of Citrullination. <i>Journal of Structural Biology</i> , 2000, 129, 80-95.	2.8	72

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19	Mechanical Ventilation Induces Neutrophil Extracellular Trap Formation. <i>Anesthesiology</i> , 2015, 122, 864-875.	2.5	72
20	Alveolar macrophage deficiency in osteopetrotic mice deficient in macrophage colony-stimulating factor is spontaneously corrected with age and associated with matrix metalloproteinase expression and emphysema. <i>Blood</i> , 2001, 98, 2845-2852.	1.4	71
21	Histone Acetylation Promotes Neutrophil Extracellular Trap Formation. <i>Biomolecules</i> , 2019, 9, 32.	4.0	71
22	IgM Promotes the Clearance of Small Particles and Apoptotic Microparticles by Macrophages. <i>PLoS ONE</i> , 2011, 6, e17223.	2.5	71
23	Post-Translational Modifications in NETosis and NETs-Mediated Diseases. <i>Biomolecules</i> , 2019, 9, 369.	4.0	67
24	Progression of Cystic Fibrosis Lung Disease from Childhood to Adulthood: Neutrophils, Neutrophil Extracellular Trap (NET) Formation, and NET Degradation. <i>Genes</i> , 2019, 10, 183.	2.4	65
25	Pulmonary Innate Immune Proteins and Receptors that Interact with Gram-positive Bacterial Ligands. <i>Immunobiology</i> , 2002, 205, 575-594.	1.9	62
26	ROS induces NETosis by oxidizing DNA and initiating DNA repair. <i>Cell Death Discovery</i> , 2021, 7, 113.	4.7	54
27	Microfibril-associated Protein 4 Binds to Surfactant Protein A (SP-A) and Colocalizes with SP-A in the Extracellular Matrix of the Lung. <i>Scandinavian Journal of Immunology</i> , 2006, 64, 104-116.	2.7	53
28	Von Willebrand factor regulates complement on endothelial cells. <i>Kidney International</i> , 2016, 90, 123-134.	5.2	53
29	Domains of surfactant protein A that affect protein oligomerization, lipid structure and surface tension. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2001, 129, 109-127.	1.8	52
30	Surfactant Protein D Binds Genomic DNA and Apoptotic Cells, and Enhances Their Clearance, in Vivo. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 471-475.	3.8	52
31	Identification and Characterization of a Novel Interaction between Pulmonary Surfactant Protein D and Decorin. <i>Journal of Biological Chemistry</i> , 2003, 278, 25678-25687.	3.4	51
32	Innate Immune Collectin Surfactant Protein D Enhances the Clearance of DNA by Macrophages and Minimizes Anti-DNA Antibody Generation. <i>Journal of Immunology</i> , 2005, 174, 7352-7358.	0.8	51
33	A Recombinant Fragment of Human Surfactant Protein D Reduces Alveolar Macrophage Apoptosis and Pro-inflammatory Cytokines in Mice Developing Pulmonary Emphysema. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 113-116.	3.8	50
34	Surfactant Protein A Binds to HIV and Inhibits Direct Infection of CD4+ Cells, but Enhances Dendritic Cell-Mediated Viral Transfer. <i>Journal of Immunology</i> , 2008, 181, 601-609.	0.8	50
35	Two-in-one: UV radiation simultaneously induces apoptosis and NETosis. <i>Cell Death Discovery</i> , 2018, 4, 51.	4.7	50
36	Regulating NETosis: Increasing pH Promotes NADPH Oxidase-Dependent NETosis. <i>Frontiers in Medicine</i> , 2018, 5, 19.	2.6	48

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37	Structural Changes of Surfactant Protein A Induced by Cations Reorient the Protein on Lipid Bilayers. <i>Journal of Structural Biology</i> , 1998, 122, 297-310.	2.8	44
38	The Collagen-like Region of Surfactant Protein A (SP-A) Is Required for Correction of Surfactant Structural and Functional Defects in the SP-A Null Mouse. <i>Journal of Biological Chemistry</i> , 2001, 276, 38542-38548.	3.4	42
39	The Role of Pulmonary Collectin N-terminal Domains in Surfactant Structure, Function, and Homeostasis in Vivo. <i>Journal of Biological Chemistry</i> , 2002, 277, 26971-26979.	3.4	42
40	Collectin surfactant protein D binds antibodies and interlinks innate and adaptive immune systems. <i>FEBS Letters</i> , 2005, 579, 4449-4453.	2.8	42
41	Machine Learning Identifies Complicated Sepsis Course and Subsequent Mortality Based on 20 Genes in Peripheral Blood Immune Cells at 24 H Post-ICU Admission. <i>Frontiers in Immunology</i> , 2021, 12, 592303.	4.8	42
42	Secretoglobin 1A1 and 1A1A Differentially Regulate Neutrophil Reactive Oxygen Species Production, Phagocytosis and Extracellular Trap Formation. <i>PLoS ONE</i> , 2014, 9, e96217.	2.5	40
43	Surfactant Protein D Modulates HIV Infection of Both T-Cells and Dendritic Cells. <i>PLoS ONE</i> , 2013, 8, e59047.	2.5	39
44	Innate Immune Collectins Bind Nucleic Acids and Enhance DNA Clearance <i>in Vitro</i> . <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 467-470.	3.8	38
45	Marburg's Variant of Multiple Sclerosis Correlates with a Less Compact Structure of Myelin Basic Protein. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999, 1, 48-51.	1.6	37
46	The Recognition Unit of FIBCD1 Organizes into a Noncovalently Linked Tetrameric Structure and Uses a Hydrophobic Funnel (S1) for Acetyl Group Recognition. <i>Journal of Biological Chemistry</i> , 2010, 285, 1229-1238.	3.4	37
47	DNA Binding and Aggregation Properties of the Vaccinia Virus I3L Gene Product. <i>Journal of Biological Chemistry</i> , 1999, 274, 21637-21644.	3.4	33
48	Formation of Folds and Vesicles by Dipalmitoylphosphatidylcholine Monolayers Spread in Excess. <i>Journal of Membrane Biology</i> , 2001, 180, 21-32.	2.1	33
49	Relative antibacterial functions of complement and NETs: NETs trap and complement effectively kills bacteria. <i>Molecular Immunology</i> , 2018, 97, 71-81.	2.2	33
50	SP-D attenuates LPS-induced formation of human neutrophil extracellular traps (NETs), protecting pulmonary surfactant inactivation by NETs. <i>Communications Biology</i> , 2019, 2, 470.	4.4	33
51	Ultraviolet irradiation increases green fluorescence of dihydrorhodamine (DHR) 123: false-positive results for reactive oxygen species generation. <i>Pharmacology Research and Perspectives</i> , 2017, 5, e00303.	2.4	31
52	Complement Activation Induces Neutrophil Adhesion and Neutrophil-Platelet Aggregate Formation on Vascular Endothelial Cells. <i>Kidney International Reports</i> , 2017, 2, 66-75.	0.8	29
53	Impaired Resolution of Inflammation in the <i>Endoglin</i> Heterozygous Mouse Model of Chronic Colitis. <i>Mediators of Inflammation</i> , 2014, 2014, 1-13.	3.0	28
54	Three-Dimensional Structure of Rat Surfactant Protein A Trimers in Association with Phospholipid Monolayers. <i>Biochemistry</i> , 2000, 39, 6310-6316.	2.5	26

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55	SP-D counteracts GM-CSF-mediated increase of granuloma formation by alveolar macrophages in lysinuric protein intolerance. <i>Orphanet Journal of Rare Diseases</i> , 2009, 4, 29.	2.7	26
56	Histone Deacetylase Inhibitors Dose-Dependently Switch Neutrophil Death from NETosis to Apoptosis. <i>Biomolecules</i> , 2019, 9, 184.	4.0	26
57	Antibody equivalent molecules of the innate immune system: parallels between innate and adaptive immune proteins. <i>Innate Immunity</i> , 2010, 16, 131-137.	2.4	25
58	Surfactant Protein D Interacts with $\hat{I}\pm 2$ -Macroglobulin and Increases Its Innate Immune Potential. <i>Journal of Biological Chemistry</i> , 2010, 285, 13461-13470.	3.4	25
59	Serum cytokine profiling and enrichment analysis reveal the involvement of immunological and inflammatory pathways in stable patients with chronic obstructive pulmonary disease. <i>International Journal of COPD</i> , 2014, 9, 759.	2.3	25
60	Shope fibroma virus DNA topoisomerase catalyses holliday junction resolution and hairpin formation in Vitro 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1999, 287, 9-20.	4.2	23
61	Neutrophil extracellular traps in ex vivo lung perfusion perfusate predict the clinical outcome of lung transplant recipients. <i>European Respiratory Journal</i> , 2019, 53, 1801736.	6.7	23
62	Furanoid F-Acid F6 Uniquely Induces NETosis Compared to C16 and C18 Fatty Acids in Human Neutrophils. <i>Biomolecules</i> , 2018, 8, 144.	4.0	22
63	Identification and characterization of porcine mannan-binding lectin A (pMBL-A), and determination of serum concentration heritability. <i>Immunogenetics</i> , 2006, 58, 129-137.	2.4	21
64	Surfactant Protein A (SP-A) Forms a Novel Supraquaternary Structure in the Form of Fibers. <i>Biochemical and Biophysical Research Communications</i> , 1998, 250, 131-136.	2.1	20
65	Anthracyclines Suppress Both NADPH Oxidase- Dependent and -Independent NETosis in Human Neutrophils. <i>Cancers</i> , 2019, 11, 1328.	3.7	20
66	Natural IgM and innate immune collectin SP-D bind to late apoptotic cells and enhance their clearance by alveolar macrophages in vivo. <i>Molecular Immunology</i> , 2010, 48, 37-47.	2.2	19
67	A Lipid Mediator Hepoxilin A3 Is a Natural Inducer of Neutrophil Extracellular Traps in Human Neutrophils. <i>Mediators of Inflammation</i> , 2015, 2015, 1-7.	3.0	19
68	ApoNETosis: discovery of a novel form of neutrophil death with concomitant apoptosis and NETosis. <i>Cell Death and Disease</i> , 2018, 9, 839.	6.3	19
69	Effect of Arginase Inhibition on Pulmonary L-Arginine Metabolism in Murine Pseudomonas Pneumonia. <i>PLoS ONE</i> , 2014, 9, e90232.	2.5	19
70	Surfactant protein D regulates caspase-8-mediated cascade of the intrinsic pathway of apoptosis while promoting bleb formation. <i>Molecular Immunology</i> , 2017, 92, 190-198.	2.2	18
71	SFV Topoisomerase: Sequence Specificity in a Genetically Mapped Interval. <i>Virology</i> , 1996, 221, 351-354.	2.4	17
72	Surfactant and lung inflammation. <i>Thorax</i> , 2005, 60, 620-622.	5.6	17

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73	Surfactant Protein D Deficiency Aggravates Cigarette Smoke-Induced Lung Inflammation by Upregulation of Ceramide Synthesis. <i>Frontiers in Immunology</i> , 2018, 9, 3013.	4.8	17
74	Surfactant protein D delays Fas- and TRAIL-mediated extrinsic pathway of apoptosis in T cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 730-740.	4.9	16
75	Cation-mediated conformational variants of surfactant protein A. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1453, 23-34.	3.8	15
76	Adenoviral vectors stimulate innate immune responses in macrophages through cross-talk with epithelial cells. <i>Immunology Letters</i> , 2010, 134, 93-102.	2.5	15
77	Secreted surfactant protein A from fetal membranes induces stress fibers in cultured human myometrial cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E1188-E1197.	3.5	15
78	Human proteolipid protein (PLP) mediates winding and adhesion of phospholipid membranes but prevents their fusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1415, 85-100.	2.6	14
79	Mechanism of pulmonary immunosuppression: extrapulmonary burn injury suppresses bacterial endotoxin-induced pulmonary neutrophil recruitment and neutrophil extracellular trap (NET) formation. <i>FASEB Journal</i> , 2019, 33, 13602-13616.	0.5	14
80	Formation of membrane lattice structures and their specific interactions with surfactant protein A. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L642-L649.	2.9	12
81	Myelin basic protein component C1 in increasing concentrations can elicit fusion, aggregation, and fragmentation of myelin-like membranes. <i>European Journal of Cell Biology</i> , 2000, 79, 327-335.	3.6	12
82	Pulmonary alveolar proteinosis in adenosine deaminase-deficient mice. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1467-1471.e4.	2.9	12
83	Serum Krebs Von Den Lungen-6 as a Biomarker for Early Detection of Bronchiolitis Obliterans Syndrome in Children Undergoing Allogeneic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2015, 21, 1524-1528.	2.0	11
84	Chest health surveillance utility in the early detection of bronchiolitis obliterans syndrome in children after allo-SCT. <i>Bone Marrow Transplantation</i> , 2013, 48, 814-818.	2.4	10
85	Furanoic Lipid F-6, A Novel Anti-Cancer Compound that Kills Cancer Cells by Suppressing Proliferation and Inducing Apoptosis. <i>Cancers</i> , 2019, 11, 960.	3.7	9
86	Severe lung injury and lung biopsy in children post-hematopoietic stem cell transplantation: the differences between allogeneic and autologous transplantation. <i>Pediatric Transplantation</i> , 2013, 17, 278-284.	1.0	7
87	Potential Mechanism of Dermal Wound Treatment With Preparations From the Skin Gel of Arabian Gulf Catfish: A Unique Furan Fatty Acid (F6) and Cholesta-3,5-Diene (S5) Recruit Neutrophils and Fibroblasts to Promote Wound Healing. <i>Frontiers in Pharmacology</i> , 2020, 11, 899.	3.5	7
88	New Developments in Cystic Fibrosis Airway Inflammation. <i>Mediators of Inflammation</i> , 2015, 2015, 1-2.	3.0	6
89	Filaments of surfactant protein A specifically interact with corrugated surfaces of phospholipid membranes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L631-L641.	2.9	5
90	A simple two-step purification procedure for the iC3b binding collectin conglutinin. <i>Journal of Immunological Methods</i> , 2010, 362, 204-208.	1.4	5

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91	Shiga Toxin 2a Induces NETosis via NOX-Dependent Pathway. <i>Biomedicines</i> , 2021, 9, 1807.	3.2	4
92	Immunoregulatory Roles of Lung Surfactant Proteins A and D. , 2008, , .		3
93	Severe respiratory insufficiency during pandemic H1N1 infection: prognostic value and therapeutic potential of pulmonary surfactant protein A. <i>Critical Care</i> , 2014, 18, 479.	5.8	2
94	Infections and neutrophils in the pathogenesis of bronchiolitis obliterans syndrome in children after allogeneic stem cell transplantation. <i>Pediatric Transplantation</i> , 2016, 20, 303-306.	1.0	2
95	A dual neutrophil-T cell purification procedure and methodological considerations in studying the effects of estrogen on human Th17 cell differentiation. <i>Journal of Immunological Methods</i> , 2019, 467, 1-11.	1.4	1
96	Comparing and Contrasting MERS, SARS-CoV, and SARS-CoV-2: Prevention, Transmission, Management, and Vaccine Development. <i>Pathogens</i> , 2020, 9, 985.	2.8	1
97	Response to Comment on "Innate Immune Collectin Surfactant Protein D Simultaneously Binds Both Neutrophil Extracellular Traps and Carbohydrate Ligands and Promotes Bacterial Trapping" <i>Journal of Immunology</i> , 2012, 188, 3.2-4.	0.8	0
98	43 Activation of CCL2/CCR2 Signaling Axis Is Responsible for Spinal Cord Inflammation and Loss of Muscle Mass in Mice After Burn Injury. <i>Journal of Burn Care and Research</i> , 2020, 41, S28-S29.	0.4	0
99	L-Arginine Decreases LPS-Induced Inflammation and Oxidative Stress in Newborn Rat Lungs. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
100	L-Arginine Modulates Macrophage Polarization to an M2 Phenotype in a Model of Lipopolysaccharide-Induced Lung Injury in Neonatal Rats. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
101	L-Arginine Attenuates Effects of Serotonin Signalling During Proliferation of Pulmonary Artery Smooth Muscle Cells in Pulmonary Hypertension. <i>FASEB Journal</i> , 2022, 36, .	0.5	0