

# Neeloffer Mookherjee

## List of Publications by Year in descending order

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69  
papers

4,327  
citations

172457

29  
h-index

133252

59  
g-index

75  
all docs

75  
docs citations

75  
times ranked

5324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the effects of traffic-related air pollution on the human plasma proteome using an aptamer proteomic array: A dose-dependent increase in atherosclerosis-related proteins. <i>Environmental Research</i> , 2022, 209, 112803.	7.5	7
2	The Small RNAs PA2952.1 and PrrH as Regulators of Virulence, Motility, and Iron Metabolism in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	9
3	Integrating Proteomes for Lung Tissues and Lavage Reveals Pathways That Link Responses in Allergen-Challenged Mice. <i>ACS Omega</i> , 2021, 6, 1171-1189.	3.5	5
4	Disrupting Tryptophan in the Central Hydrophobic Region Selectively Mitigates Immunomodulatory Activities of the Innate Defence Regulator Peptide IDR-1002. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6696-6705.	6.4	4
5	Immunobiology of Steroid-Unresponsive Severe Asthma. <i>Frontiers in Allergy</i> , 2021, 2, 718267.	2.8	14
6	A bioavailable form of curcumin, in combination with vitamin-D- and omega-3-enriched diet, modifies disease onset and outcomes in a murine model of collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2021, 23, 39.	3.5	8
7	Characterization of immune responses and the lung transcriptome in a murine model of IL-33 challenge. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165950.	3.8	3
8	Cathelicidin and Calprotectin Are Disparately Altered in Murine Models of Inflammatory Arthritis and Airway Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1932.	4.8	7
9	Antimicrobial host defence peptides: functions and clinical potential. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 311-332.	46.4	762
10	The importance of reporting house dust mite endotoxin abundance: impact on the lung transcriptome. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L1229-L1236.	2.9	18
11	Whole Blood Targeted Bisulfite Sequencing and Differential Methylation in the <i>C6ORF10</i> Gene of Patients with Rheumatoid Arthritis. <i>Journal of Rheumatology</i> , 2020, 47, 1614-1623.	2.0	12
12	Overexpression of the Small RNA PA0805.1 in <i>Pseudomonas aeruginosa</i> Modulates the Expression of a Large Set of Genes and Proteins, Resulting in Altered Motility, Cytotoxicity, and Tobramycin Resistance. <i>MSystems</i> , 2020, 5, .	3.8	13
13	Polymorphisms in the P2X7 receptor, and differential expression of Toll-like receptor-mediated cytokines and defensins, in a Canadian Indigenous group. <i>Scientific Reports</i> , 2019, 9, 14204.	3.3	2
14	Immunomodulatory Functions of the Human Cathelicidin LL-37 (aa 13â€“31)-Derived Peptides are Associated with Predicted Î±-Helical Propensity and Hydrophobic Index. <i>Biomolecules</i> , 2019, 9, 501.	4.0	12
15	Circulating levels of free 25(OH)D increase at the onset of rheumatoid arthritis. <i>PLoS ONE</i> , 2019, 14, e0219109.	2.5	4
16	Antimicrobial Host Defence Peptides: Immunomodulatory Functions and Translational Prospects. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1117, 149-171.	1.6	68
17	Inhaled diesel exhaust alters the allergen-induced bronchial secretome in humans. <i>European Respiratory Journal</i> , 2018, 51, 1701385.	6.7	31
18	Inhaled Diesel Exhaust Decreases the Antimicrobial Peptides Î±-Defensin and S100A7 in Human Bronchial Secretions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1358-1361.	5.6	19

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19	Host Defense Peptide LL-37-Mediated Chemoattractant Properties, but Not Anti-Inflammatory Cytokine IL-1RA Production, Is Selectively Controlled by Cdc42 Rho GTPase via G Protein-Coupled Receptors and JNK Mitogen-Activated Protein Kinase. <i>Frontiers in Immunology</i> , 2018, 9, 1871.	4.8	37
20	Immunomodulatory innate defence regulator (IDR) peptide alleviates airway inflammation and hyper-responsiveness. <i>Thorax</i> , 2018, 73, 908-917.	5.6	27
21	Cytokines IL-17, TNF and IFN- $\gamma$ Alter the Expression of Antimicrobial Peptides and Proteins Disparately: A Targeted Proteomics Analysis using SOMAscan Technology. <i>Vaccines</i> , 2018, 6, 51.	4.4	14
22	Proteomic profiling to define synergistic responses mediated by IL-17 and TNF $\alpha$ in the lungs. , 2018, , .		0
23	Inhaled diesel exhaust alters plasma proteome signature. , 2018, , .		0
24	Activity of an innate defence regulator peptide to alleviate airway inflammation is mitigated by disruption of its central hydrophobic region. , 2018, , .		0
25	Buprenorphine Alters Inflammatory and Oxidative Stress Molecular Markers in Arthritis. <i>Mediators of Inflammation</i> , 2017, 2017, 1-10.	3.0	23
26	Whole blood microRNA expression pattern differentiates patients with rheumatoid arthritis, their seropositive first-degree relatives, and healthy unrelated control subjects. <i>Arthritis Research and Therapy</i> , 2017, 19, 249.	3.5	64
27	Functions of Cationic Host Defense Peptides in Immunity. <i>Pharmaceuticals</i> , 2016, 9, 40.	3.8	69
28	The biochemical signatures of stress: A preliminary analysis of osteocalcin concentrations and macroscopic skeletal changes associated with stress in the 13th -17th centuries black friars population. <i>American Journal of Physical Anthropology</i> , 2016, 159, 596-606.	2.1	12
29	Biosignature for airway inflammation in a house dust mite-challenged murine model of allergic asthma. <i>Biology Open</i> , 2016, 5, 112-121.	1.2	67
30	Antibacterial Host Defense Peptides. , 2016, , 69-77.		0
31	LATE-BREAKING ABSTRACT: Inhaled diesel exhaust alters immune response proteins in the bronchial secretome in humans. , 2016, , .		0
32	Inhaled diesel exhaust alters allergen-induced bronchial secretome in humans. , 2016, , .		0
33	Vitamin D, serum 25(OH)D, LL-37 and polymorphisms in a Canadian First Nation population with endemic tuberculosis. <i>International Journal of Circumpolar Health</i> , 2015, 74, 28952.	1.2	14
34	Amphiphilic Tobramycins with Immunomodulatory Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6278-6282.	13.8	50
35	Frequency of NRAMP1 Gene Polymorphisms among Canadian First Nations Peoples Experiencing Endemic Tuberculosis. <i>Mycobacterial Diseases: Tuberculosis &amp; Leprosy</i> , 2015, 05, .	0.1	3
36	Structure-activity relationships in ultrashort cationic lipopeptides: the effects of amino acid ring constraint on antibacterial activity. <i>Amino Acids</i> , 2014, 46, 2517-2530.	2.7	22

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37	Human cathelicidin LL-37 and its derivative IG-19 regulate interleukin-32-induced inflammation. <i>Immunology</i> , 2014, 143, 68-80.	4.4	46
38	Human cathelicidin LL-37-derived peptide IG-19 confers protection in a murine model of collagen-induced arthritis. <i>Molecular Immunology</i> , 2014, 57, 86-92.	2.2	41
39	Antibacterial Host Defense Peptides. , 2014, , 1-9.		0
40	High degree of correlation between whole blood and PBMC expression levels of miR-155 and miR-146a in healthy controls and rheumatoid arthritis patients. <i>Journal of Immunological Methods</i> , 2013, 400-401, 106-110.	1.4	61
41	Cathelicidins. , 2013, , 77-84.		5
42	Ultrashort Cationic Lipopeptides and Lipopeptoids Selectively Induce Cytokine Production in Macrophages. <i>PLoS ONE</i> , 2013, 8, e54280.	2.5	13
43	Multiple Immune-Modulatory Functions Of Cathelicidin Host Defense Peptides. <i>Frontiers in Immunology</i> , 2012, 3, 149.	4.8	50
44	Vitamin D in a Northern Canadian First Nation Population: Dietary Intake, Serum Concentrations and Functional Gene Polymorphisms. <i>PLoS ONE</i> , 2012, 7, e49872.	2.5	40
45	Immunomodulatory Cationic Peptide Therapeutics: A New Paradigm in Infection and Immunity. <i>ACS Symposium Series</i> , 2012, , 1-19.	0.5	3
46	Cationic Host Defence Peptides: Multifaceted Role in Immune Modulation and Inflammation. <i>Journal of Innate Immunity</i> , 2012, 4, 361-370.	3.8	213
47	Defining TNF- $\alpha$ and IL-1 $\beta$ induced nascent proteins: Combining bio-orthogonal non-canonical amino acid tagging and proteomics. <i>Journal of Immunological Methods</i> , 2012, 382, 189-195.	1.4	14
48	Effect of Vitamin D Supplementation on Mycobacterium tuberculosis-Induced Innate Immune Responses in a Canadian Deni First Nations Cohort. <i>PLoS ONE</i> , 2012, 7, e40692.	2.5	30
49	Modulation of interleukin-1 $\beta$ -induced inflammatory responses by a synthetic cationic innate defence regulator peptide, IDR-1002, in synovial fibroblasts. <i>Arthritis Research and Therapy</i> , 2011, 13, R129.	3.5	41
50	Defining the Mechanism of Action of Herbal Therapies in Rheumatoid Arthritis: Is This the Road to Clinical Development and Acceptance?. <i>Journal of Rheumatology</i> , 2011, 38, 1817-1819.	2.0	1
51	Inflammatory Cytokines IL-32 and IL-17 Have Common Signaling Intermediates despite Differential Dependence on TNF-Receptor 1. <i>Journal of Immunology</i> , 2011, 186, 7127-7135.	0.8	41
52	Intracellular Receptor for Human Host Defense Peptide LL-37 in Monocytes. <i>Journal of Immunology</i> , 2009, 183, 2688-2696.	0.8	139
53	The Human Host Defense Peptide LL-37 Induces Apoptosis in a Calpain- and Apoptosis-Inducing Factor-Dependent Manner Involving Bax Activity. <i>Molecular Cancer Research</i> , 2009, 7, 689-702.	3.4	66
54	Systems biology evaluation of immune responses induced by human host defence peptide LL-37 in mononuclear cells. <i>Molecular BioSystems</i> , 2009, 5, 483.	2.9	92

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55	Nucleic Acids Exert a Sequence-independent Cooperative Effect on Sequence-dependent Activation of Toll-like Receptor 9. <i>Journal of Biological Chemistry</i> , 2007, 282, 13944-13953.	3.4	29
56	Cathelicidins and functional analogues as antisepsis molecules. <i>Expert Opinion on Therapeutic Targets</i> , 2007, 11, 993-1004.	3.4	96
57	Host Defense Peptide LL-37, in Synergy with Inflammatory Mediator IL-1 $\beta$ , Augments Immune Responses by Multiple Pathways. <i>Journal of Immunology</i> , 2007, 179, 7684-7691.	0.8	187
58	An anti-infective peptide that selectively modulates the innate immune response. <i>Nature Biotechnology</i> , 2007, 25, 465-472.	17.5	355
59	Cationic host defence peptides: Innate immune regulatory peptides as a novel approach for treating infections. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 922-933.	5.4	374
60	Bovine and human cathelicidin cationic host defense peptides similarly suppress transcriptional responses to bacterial lipopolysaccharide. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1563-1574.	3.3	93
61	Modulation of the TLR-Mediated Inflammatory Response by the Endogenous Human Host Defense Peptide LL-37. <i>Journal of Immunology</i> , 2006, 176, 2455-2464.	0.8	491
62	Host defence peptides from invertebrates – emerging antimicrobial strategies. <i>Immunobiology</i> , 2006, 211, 315-322.	1.9	237
63	Cathelicidins: Cationic Host Defense and Antimicrobial Peptides. , 2006, , 67-74.		1
64	Bovine toll-like receptor 9: A comparative analysis of molecular structure, function and expression. <i>Veterinary Immunology and Immunopathology</i> , 2005, 108, 11-16.	1.2	49
65	TLR9 <sup>-/-</sup> and TLR9 <sup>+/+</sup> mice display similar immune responses to a DNA vaccine. <i>Immunology</i> , 2004, 113, 114-120.	4.4	92
66	Trypanosoma simiae and Trypanosoma congolense: surface glycoconjugates of procyclic forms – the same coats on different hangers?. <i>Experimental Parasitology</i> , 2002, 100, 257-268.	1.2	3
67	Surface molecules of procyclic forms of Trypanosoma simiae and Trypanosoma congolense, members of the subgenus Nannomonas, share immunodominant carbohydrate epitopes. <i>Molecular and Biochemical Parasitology</i> , 2001, 118, 123-126.	1.1	3
68	Cathelicidins and functional analogues as antisepsis molecules. , 0, .		1
69	Sex Dimorphism of Allergen-Induced Secreted Proteins in Murine and Human Lungs. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4