

Taruna Madan

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,746
citations

201674

27
h-index

189892

50
g-index

85
all docs

85
docs citations

85
times ranked

2712
citing authors

#	ARTICLE	IF	CITATIONS
1	Dysregulated serum and seminal plasma levels of surfactant protein D and MCPâ€1 in men with genital tract infection/inflammation. American Journal of Reproductive Immunology, 2023, 89, .	1.2	1
2	Surfactant protein D inhibits growth, alters cell surface polysaccharide exposure and immune activation potential of Aspergillus fumigatus. Cell Surface, 2022, 8, 100072.	3.0	4
3	Interplay between Câ€type lectin receptors and microRNAs in cellular homeostasis and immune response. FEBS Journal, 2021, 288, 4210-4229.	4.7	9
4	Surfactant Protein D in Immune Surveillance Against Cancer. , 2021, , 147-163.		0
5	Collectins in Regulation of Feto-Maternal Cross-Talk. , 2021, , 185-206.		0
6	Human Surfactant Protein D Binds Spike Protein and Acts as an Entry Inhibitor of SARS-CoV-2 Pseudotyped Viral Particles. Frontiers in Immunology, 2021, 12, 641360.	4.8	41
7	A Recombinant Fragment of Human Surfactant Protein D Binds Spike Protein and Inhibits Infectivity and Replication of SARS-CoV-2 in Clinical Samples. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 41-53.	2.9	29
8	Innate Immune Response Against HIV-1. Advances in Experimental Medicine and Biology, 2021, 1313, 23-58.	1.6	4
9	Differential levels of surfactant protein A, surfactant protein D, and progesterone to estradiol ratio in maternal serum before and after the onset of severe earlyâ€onset preeclampsia. American Journal of Reproductive Immunology, 2020, 83, e13208.	1.2	10
10	Host-pathogen interaction in COVID-19: Pathogenesis, potential therapeutics and vaccination strategies. Immunobiology, 2020, 225, 152008.	1.9	65
11	Serum Levels of Collectins Are Sustained During Pregnancy: Surfactant Protein D Levels Are Dysregulated Prior to Missed Abortion. Reproductive Sciences, 2020, 27, 1894-1908.	2.5	5
12	Differential Interactions of Serum and Bronchoalveolar Lavage Fluid Complement Proteins with Conidia of Airborne Fungal Pathogen Aspergillus fumigatus. Infection and Immunity, 2020, 88, .	2.2	9
13	Surfactant Protein D Recognizes Multiple Fungal Ligands: A Key Step to Initiate and Intensify the Anti-fungal Host Defense. Frontiers in Cellular and Infection Microbiology, 2020, 10, 229.	3.9	8
14	Hyaluronic Acid Present in the Tumor Microenvironment Can Negate the Pro-apototic Effect of a Recombinant Fragment of Human Surfactant Protein D on Breast Cancer Cells. Frontiers in Immunology, 2020, 11, 1171.	4.8	12
15	Editorial: Odyssey of Surfactant Proteins SP-A and SP-D: Innate Immune Surveillance Molecules. Frontiers in Immunology, 2020, 11, 394.	4.8	5
16	Human SP-D Acts as an Innate Immune Surveillance Molecule Against Androgen-Responsive and Androgen-Resistant Prostate Cancer Cells. Frontiers in Oncology, 2019, 9, 565.	2.8	9
17	Surfactant Protein D Reverses the Gene Signature of Transepithelial HIV-1 Passage and Restricts the Viral Transfer Across the Vaginal Barrier. Frontiers in Immunology, 2019, 10, 264.	4.8	11
18	Fungal melanin stimulates surfactant protein Dâ€mediated opsonization of and host immune response to Aspergillus fumigatus spores. Journal of Biological Chemistry, 2018, 293, 4901-4912.	3.4	36

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19	Estradiol: A Steroid with Multiple Facets. <i>Hormone and Metabolic Research</i> , 2018, 50, 359-374.	1.5	33
20	Designing Antibacterial Peptides with Enhanced Killing Kinetics. <i>Frontiers in Microbiology</i> , 2018, 9, 325.	3.5	29
21	<i>Aspergillus fumigatus</i> conidial metalloprotease Mep1p cleaves host complement proteins. <i>Journal of Biological Chemistry</i> , 2018, 293, 15538-15555.	3.4	34
22	Surfactant protein D regulates murine testicular immune milieu and sperm functions. <i>American Journal of Reproductive Immunology</i> , 2017, 77, e12629.	1.2	9
23	Mesenchymal stem cells: a promising tool for targeted gene therapy of endometriosis. <i>Regenerative Medicine</i> , 2017, 12, 69-76.	1.7	11
24	Recombinant Fragment of Human Surfactant Protein D: A Hierarchical Regulator of Pulmonary Hypersensitivity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1495-1496.	5.6	3
25	Protein-Protein Interaction between Surfactant Protein D and DC-SIGN via C-Type Lectin Domain Can Suppress HIV-1 Transfer. <i>Frontiers in Immunology</i> , 2017, 8, 834.	4.8	23
26	Uterine Stem Cells and Their Future Therapeutic Potential in Regenerative Medicine. <i>Pancreatic Islet Biology</i> , 2017, , 153-174.	0.3	0
27	Complement Protein C1q Interacts with DC-SIGN via Its Globular Domain and Thus May Interfere with HIV-1 Transmission. <i>Frontiers in Immunology</i> , 2016, 7, 600.	4.8	10
28	In-depth 2-DE reference map of <i>Aspergillus fumigatus</i> and its proteomic profiling on exposure to itraconazole. <i>Medical Mycology</i> , 2016, 54, 524-536.	0.7	14
29	Testicular expression of SP-A, SP-D and MBL-A is positively regulated by testosterone and modulated by lipopolysaccharide. <i>Immunobiology</i> , 2016, 221, 975-985.	1.9	13
30	Role of collectins and complement protein C1q in pregnancy and parturition. <i>Immunobiology</i> , 2016, 221, 1273-1288.	1.9	24
31	Fertility defects in Surfactant associated protein D knockout female mice: altered ovarian hormone profile. <i>Molecular Immunology</i> , 2016, 71, 87-97.	2.2	13
32	Expression and localization of collectins in feto-maternal tissues of human first trimester spontaneous abortion and abortion prone mouse model. <i>Immunobiology</i> , 2016, 221, 260-268.	1.9	9
33	Surfactant protein D induces immune quiescence and apoptosis of mitogen-activated peripheral blood mononuclear cells. <i>Immunobiology</i> , 2016, 221, 310-322.	1.9	27
34	Expression of surfactant proteins SP-A and SP-D in murine decidua and immunomodulatory effects on decidual macrophages. <i>Immunobiology</i> , 2016, 221, 377-386.	1.9	12
35	Endometriotic mesenchymal stem cells exhibit a distinct immune phenotype. <i>International Immunology</i> , 2015, 27, 195-204.	4.0	27
36	Ovarian Hormones Regulate SP-D Expression in the Mouse Uterus During Estrous Cycle and Early Pregnancy. <i>American Journal of Reproductive Immunology</i> , 2015, 74, 77-88.	1.2	25

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37	Surfactant Protein D Inhibits HIV-1 Infection of Target Cells via Interference with gp120-CD4 Interaction and Modulates Pro-Inflammatory Cytokine Production. PLoS ONE, 2014, 9, e102395.	2.5	40
38	Differential Expression of Collectins in Human Placenta and Role in Inflammation during Spontaneous Labor. PLoS ONE, 2014, 9, e108815.	2.5	19
39	Purification of Native Surfactant Protein SP-A from Pooled Amniotic Fluid and Bronchoalveolar Lavage. Methods in Molecular Biology, 2014, 1100, 257-272.	0.9	8
40	Surfactant protein SP-D modulates activity of immune cells: proteomic profiling of its interaction with eosinophilic cells. Expert Review of Proteomics, 2014, 11, 355-369.	3.0	20
41	Purification of Surfactant Protein D (SP-D) from Pooled Amniotic Fluid and Bronchoalveolar Lavage. Methods in Molecular Biology, 2014, 1100, 273-290.	0.9	11
42	Linking surfactant protein SP-D and IL-13: Implications in asthma and allergy. Molecular Immunology, 2013, 54, 98-107.	2.2	33
43	Human Surfactant Protein D Alters Oxidative Stress and HMGA1 Expression to Induce p53 Apoptotic Pathway in Eosinophil Leukemic Cell Line. PLoS ONE, 2013, 8, e85046.	2.5	47
44	Linking surfactant protein SP-D and IL-13: Implications in asthma and allergy. Molecular Immunology, 2013, 54, 98-107.	2.2	25
45	Identification of Fibrinogen-Binding Proteins of Aspergillus fumigatus Using Proteomic Approach. Mycopathologia, 2012, 173, 73-82.	3.1	20
46	Surfactant proteins A and D in pregnancy and parturition. Frontiers in Bioscience - Elite, 2011, E3, 291-300.	1.8	12
47	Transcriptomic and Proteomic Profile of Aspergillus fumigatus on Exposure to Artemisinin. Mycopathologia, 2011, 172, 331-346.	3.1	54
48	Allergens/Antigens, Toxins and Polyketides of Important Aspergillus Species. Indian Journal of Clinical Biochemistry, 2011, 26, 104-119.	1.9	26
49	Susceptibility of mice genetically deficient in SP-A or SP-D gene to Invasive Pulmonary Aspergillosis. Molecular Immunology, 2010, 47, 1923-1930.	2.2	59
50	Prophylactic and Therapeutic Potential of Asp f1 Epitopes in Na ⁺ ve and Sensitized BALB/c Mice. Immune Network, 2009, 9, 179.	3.6	4
51	Identification and characterization of a laminin-binding protein of Aspergillus fumigatus: extracellular thaumatin domain protein (AfCalAp). Journal of Medical Microbiology, 2009, 58, 714-722.	1.8	51
52	Therapeutic effects of recombinant forms of full-length and truncated human surfactant protein D in a murine model of invasive pulmonary aspergillosis. Molecular Immunology, 2009, 46, 2363-2369.	2.2	24
53	Lung Surfactant Proteins A and D as Pattern Recognition Proteins. Advances in Experimental Medicine and Biology, 2009, 653, 74-97.	1.6	32
54	Proteomic and Transcriptomic Analysis of Aspergillus fumigatus on Exposure to Amphotericin B. Antimicrobial Agents and Chemotherapy, 2008, 52, 4220-4227.	3.2	102

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55	Recombinant surfactant protein-D selectively increases apoptosis in eosinophils of allergic asthmatics and enhances uptake of apoptotic eosinophils by macrophages. <i>International Immunology</i> , 2008, 20, 993-1007.	4.0	54
56	Potential of Lung Surfactant Proteins, SP-A and SP-D, and Mannan Binding Lectin for Therapy and Genetic Predisposition to Allergic and Invasive Aspergillosis. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2007, 1, 183-187.	3.6	7
57	Inducible nitric oxide synthase (iNOS) gene polymorphism in pre-eclampsia: A pilot study in North India. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2007, 47, 477-482.	1.0	15
58	Surfactant proteins SP-A and SP-D: Structure, function and receptors. <i>Molecular Immunology</i> , 2006, 43, 1293-1315.	2.2	468
59	Mannan-Binding lectin in asthma and allergy. <i>Current Allergy and Asthma Reports</i> , 2006, 6, 377-383.	5.3	17
60	Immunoproteomic analysis of secretory proteins of <i>Aspergillus fumigatus</i> with specific IGE immunoreactivity. <i>Indian Journal of Clinical Biochemistry</i> , 2006, 21, 12-19.	1.9	6
61	Association of Polymorphisms in Pulmonary Surfactant Protein A1 and A2 Genes With High-Altitude Pulmonary Edema. <i>Chest</i> , 2005, 128, 1611-1619.	0.8	52
62	Identification and characterization of polyubiquitin gene from cDNA library of <i>aspergillus fumigatus</i> . <i>Indian Journal of Clinical Biochemistry</i> , 2005, 20, 208-212.	1.9	4
63	Tryptophan residue is essential for immunoreactivity of a diagnostically relevant peptide epitope of <i>A. fumigatus</i> . <i>Molecular and Cellular Biochemistry</i> , 2005, 275, 223-231.	3.1	5
64	Susceptibility of Mice Genetically Deficient in the Surfactant Protein (SP)-A or SP-D Gene to Pulmonary Hypersensitivity Induced by Antigens and Allergens of <i>Aspergillus fumigatus</i> . <i>Journal of Immunology</i> , 2005, 174, 6943-6954.	0.8	110
65	Plasma mannan-binding lectin levels and activity are increased in allergic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 116, 1381-1383.	2.9	24
66	Sensitization to <i>Aspergillus</i> Antigens and Occurrence of Allergic Bronchopulmonary Aspergillosis in Patients With Asthma. <i>Chest</i> , 2005, 127, 1252.	0.8	102
67	Surfactant proteins SP-A and SP-D in human health and disease. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2005, 53, 399-417.	2.3	36
68	Use of a Synthetic Peptide Epitope of Asp f 1, a Major Allergen or Antigen of <i>Aspergillus fumigatus</i> , for Improved Immunodiagnosis of Allergic Bronchopulmonary Aspergillosis. <i>Vaccine Journal</i> , 2004, 11, 552-558.	3.1	25
69	Identification and Assignment of Function to the Genes of <i>Aspergillus fumigatus</i> Expressed at 37 oC. <i>Journal of Eukaryotic Microbiology</i> , 2004, 51, 428-432.	1.7	20
70	Protective effects of a recombinant fragment of human surfactant protein D in a murine model of pulmonary hypersensitivity induced by dust mite allergens. <i>Immunology Letters</i> , 2003, 86, 299-307.	2.5	66
71	Association of polymorphisms in the collagen region of SP-A2 with increased levels of total IgE antibodies and eosinophilia in patients with allergic bronchopulmonary aspergillosis. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 111, 1001-1007.	2.9	125
72	Immunodiagnosis of ABPA. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, s1187-1198.	3.0	10

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73	Protective Roles of Pulmonary Surfactant Proteins, SP-A and SP-D, Against Lung Allergy and Infection Caused by. Immunobiology, 2002, 205, 610-618.	1.9	62
74	Protective Role of Lung Surfactant Protein D in a Murine Model of Invasive Pulmonary Aspergillosis. Infection and Immunity, 2001, 69, 2728-2731.	2.2	98
75	Surfactant proteins A and D protect mice against pulmonary hypersensitivity induced by <i>Aspergillus fumigatus</i> antigens and allergens. Journal of Clinical Investigation, 2001, 107, 467-475.	8.2	175
76	Multifunctional Antigens of <i>A. fumigatus</i> , and Specific Antibodies. Applied Biochemistry and Biotechnology, 2000, 83, 271-286.	2.9	14
77	Ribonuclease activity dependent cytotoxicity of Asp fl, a major allergen of <i>A. fumigatus</i> . Molecular and Cellular Biochemistry, 1997, 175, 21-27.	3.1	16
78	Identification and evaluation of a major cytotoxin of <i>A. fumigatus</i> . Molecular and Cellular Biochemistry, 1997, 167, 89-97.	3.1	20
79	Identification of 45 kD antigen in immune complexes of patients of allergic bronchopulmonary aspergillosis. Molecular and Cellular Biochemistry, 1997, 166, 111-116.	3.1	16
80	Biodegradable nanoparticles as a sustained release system for the antigens/allergens of <i>Aspergillus fumigatus</i> : preparation and characterisation. International Journal of Pharmaceutics, 1997, 159, 135-147.	5.2	31
81	Immunomodulatory Role of Surfactant Protein-D in a Transgenic Adenocarcinoma of Mouse Prostate (TRAMP) Model. Frontiers in Immunology, 0, 13, .	4.8	1