

Y Peter Di

List of Publications by Year in descending order

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92
papers

5,221
citations

117453

34
h-index

91712

69
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93
all docs

93
docs citations

93
times ranked

7973
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytochrome c acts as a cardiolipin oxygenase required for release of proapoptotic factors. <i>Nature Chemical Biology</i> , 2005, 1, 223-232.	3.9	1,088
2	Mesenchymal stem cells use extracellular vesicles to outsource mitophagy and shuttle microRNAs. <i>Nature Communications</i> , 2015, 6, 8472.	5.8	693
3	Comprehensive gene expression profiles reveal pathways related to the pathogenesis of chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14895-14900.	3.3	310
4	Antimicrobial peptides with selective antitumor mechanisms: prospect for anticancer applications. <i>Oncotarget</i> , 2017, 8, 46635-46651.	0.8	273
5	Conditional Stabilization of β -Catenin Expands the Pool of Lung Stem Cells. <i>Stem Cells</i> , 2008, 26, 1337-1346.	1.4	128
6	Influenza-induced type I interferon enhances susceptibility to gram-negative and gram-positive bacterial pneumonia in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L158-L167.	1.3	122
7	Characterization of Human Mucin 5B Gene Expression in Airway Epithelium and the Genomic Clone of the Amino-Terminal and 5' -Flanking Region. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001, 25, 542-553.	1.4	103
8	Inhibition of nuclear factor-erythroid 2-related factor (Nrf2) by caveolin-1 promotes stress-induced premature senescence. <i>Molecular Biology of the Cell</i> , 2013, 24, 1852-1862.	0.9	103
9	Poly(lactide-co-glycolide) Nanoparticles for Prolonged Therapeutic Efficacy of Esculentin-1a-Derived Antimicrobial Peptides against <i>Pseudomonas aeruginosa</i> Lung Infection: in Vitro and in Vivo Studies. <i>Biomacromolecules</i> , 2019, 20, 1876-1888.	2.6	82
10	Prevention of ESKAPE pathogen biofilm formation by antimicrobial peptides WLBU2 and LL37. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 667-672.	1.1	81
11	Cigarette Smoke Induces MUC5AC Protein Expression through the Activation of Sp1. <i>Journal of Biological Chemistry</i> , 2012, 287, 27948-27958.	1.6	77
12	Molecular Cloning and Characterization of spurt, a Human Novel Gene That Is Retinoic Acid-inducible and Encodes a Secretory Protein Specific in Upper Respiratory Tracts. <i>Journal of Biological Chemistry</i> , 2003, 278, 1165-1173.	1.6	76
13	Enhanced therapeutic index of an antimicrobial peptide in mice by increasing safety and activity against multidrug-resistant bacteria. <i>Science Advances</i> , 2020, 6, eaay6817.	4.7	75
14	SPLUNC1/BPIFA1 Contributes to Pulmonary Host Defense against <i>Klebsiella pneumoniae</i> Respiratory Infection. <i>American Journal of Pathology</i> , 2013, 182, 1519-1531.	1.9	74
15	SPLUNC1 Promotes Lung Innate Defense Against <i>Mycoplasma pneumoniae</i> Infection in Mice. <i>American Journal of Pathology</i> , 2011, 178, 2159-2167.	1.9	71
16	d-Amino acids incorporation in the frog skin-derived peptide esculentin-1a(1-21)NH ₂ is beneficial for its multiple functions. <i>Amino Acids</i> , 2015, 47, 2505-2519.	1.2	70
17	Caveolin-1 Expression Is Required for the Development of Pulmonary Emphysema through Activation of the ATM-p53-p21 Pathway*. <i>Journal of Biological Chemistry</i> , 2009, 284, 5462-5466.	1.6	67
18	Antimicrobial Activity of PLUNC Protects against <i>Pseudomonas aeruginosa</i> Infection. <i>Journal of Immunology</i> , 2011, 187, 382-390.	0.4	64

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19	Distribution of HSP70, protein kinase C, and spectrin is altered in lymphocytes during a fever-like hyperthermia exposure. , 1997, 172, 44-54.		60
20	Endothelial Dysfunction and Claudin 5 Regulation during Acrolein-Induced Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 483-490.	1.4	54
21	Increased Susceptibility to Pulmonary <i>Pseudomonas</i> Infection in Splunc1 Knockout Mice. Journal of Immunology, 2013, 191, 4259-4268.	0.4	53
22	Lipopolysaccharide-Mediated Chronic Inflammation Promotes Tobacco Carcinogen-Induced Lung Cancer and Determines the Efficacy of Immunotherapy. Cancer Research, 2021, 81, 144-157.	0.4	52
23	Repression of CC16 by Cigarette Smoke (CS) Exposure. PLoS ONE, 2015, 10, e0116159.	1.1	52
24	Multifunctional Role of Human SPLUNC1 in Pseudomonas aeruginosa Infection. Infection and Immunity, 2013, 81, 285-291.	1.0	50
25	Analysis of RNA Sequencing Data Using CLC Genomics Workbench. Methods in Molecular Biology, 2020, 2102, 61-113.	0.4	50
26	Matrix Metalloproteinase-14 Mediates a Phenotypic Shift in the Airways to Increase Mucin Production. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 834-845.	2.5	48
27	Esculentin-1a-Derived Peptides Promote Clearance of Pseudomonas aeruginosa Internalized in Bronchial Cells of Cystic Fibrosis Patients and Lung Cell Migration: Biochemical Properties and a Plausible Mode of Action. Antimicrobial Agents and Chemotherapy, 2016, 60, 7252-7262.	1.4	47
28	Inhibition of <i>Pseudomonas aeruginosa</i> biofilm formation and expression of virulence genes by selective epimerization in the peptide Esculentin-1a(1-21)-NH ₂ . FEBS Journal, 2019, 286, 3874-3891.	2.2	45
29	Characterization of a Novel Airway Epithelial Cell-specific Short Chain Alcohol Dehydrogenase/Reductase Gene Whose Expression Is Up-regulated by Retinoids and Is Involved in the Metabolism of Retinol. Journal of Biological Chemistry, 2001, 276, 24194-24202.	1.6	44
30	Functional roles of SPLUNC1 in the innate immune response against Gram-negative bacteria. Biochemical Society Transactions, 2011, 39, 1051-1055.	1.6	42
31	Allele-specific transactivation of matrix metalloproteinase 7 by FOXA2 and correlation with plasma levels in idiopathic pulmonary fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L746-L754.	1.3	40
32	Epithelial reticulon 4B (Nogo-B) is an endogenous regulator of Th2-driven lung inflammation. Journal of Experimental Medicine, 2010, 207, 2595-2607.	4.2	39
33	Identification of BPIFA1/SPLUNC1 as an epithelium-derived smooth muscle relaxing factor. Nature Communications, 2017, 8, 14118.	5.8	39
34	Identification of multiple MAPK-mediated transcription factors regulated by tobacco smoke in airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L480-L490.	1.3	38
35	Haplotype Association Mapping of Acute Lung Injury in Mice Implicates Activin A Receptor, Type 1. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1499-1509.	2.5	38
36	Engineered Cationic Antimicrobial Peptides (eCAPs) to Combat Multidrug-Resistant Bacteria. Pharmaceutics, 2020, 12, 501.	2.0	38

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37	Structural Features Essential to the Antimicrobial Functions of Human SPLUNC1. <i>Biochemistry</i> , 2016, 55, 2979-2991.	1.2	36
38	Enhanced efficacy of the engineered antimicrobial peptide WLBU2 via direct airway delivery in a murine model of <i>Pseudomonas aeruginosa</i> pneumonia. <i>Clinical Microbiology and Infection</i> , 2018, 24, 547.e1-547.e8.	2.8	35
39	Differential effects of nicotine and tobacco smoke condensate on human annulus fibrosus cell metabolism. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1585-1591.	1.2	34
40	SPLUNC1 Deficiency Enhances Airway Eosinophilic Inflammation in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 253-260.	1.4	34
41	Caveolin-1 promotes the tumor suppressor properties of oncogene-induced cellular senescence. <i>Journal of Biological Chemistry</i> , 2018, 293, 1794-1809.	1.6	34
42	15-Lipoxygenase 1 in nasal polyps promotes CCL26/eotaxin 3 expression through extracellular signal-regulated kinase activation. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1228-1241.e9.	1.5	34
43	Effects of second hand smoke on airway secretion and mucociliary clearance. <i>Frontiers in Physiology</i> , 2012, 3, 342.	1.3	32
44	Dual Acute Proinflammatory and Antifibrotic Pulmonary Effects of Short Palate, Lung, and Nasal Epithelium Clone 1 after Exposure to Carbon Nanotubes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 759-767.	1.4	31
45	Differential Susceptibilities of Human Lung Primary Cells to H1N1 Influenza Viruses. <i>Journal of Virology</i> , 2015, 89, 11935-11944.	1.5	31
46	In vivo therapeutic efficacy of frog skin-derived peptides against <i>Pseudomonas aeruginosa</i> -induced pulmonary infection. <i>Scientific Reports</i> , 2017, 7, 8548.	1.6	31
47	Phosphorylation of Tumor Necrosis Factor Receptor 1 (p55) Protects Macrophages from Silica-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2004, 279, 2020-2029.	1.6	29
48	Integrative Assessment of Chlorine-Induced Acute Lung Injury in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 234-244.	1.4	28
49	Toll interacting protein protects bronchial epithelial cells from bleomycin-induced apoptosis. <i>FASEB Journal</i> , 2020, 34, 9884-9898.	0.2	27
50	The effect of BPIFA1/SPLUNC1 genetic variation on its expression and function in asthmatic airway epithelium. <i>JCI Insight</i> , 2019, 4, .	2.3	23
51	Elastic behavior of model membranes with antimicrobial peptides depends on lipid specificity and <i>enantiomers</i> . <i>Soft Matter</i> , 2019, 15, 1860-1868.	1.2	21
52	Antibacterial Properties and Efficacy of a Novel SPLUNC1-Derived Antimicrobial Peptide, $\hat{1}\pm 4$ -Short, in a Murine Model of Respiratory Infection. <i>MBio</i> , 2019, 10, .	1.8	21
53	ADAMTS5 Deficiency Protects Mice From Chronic Tobacco Smoking-induced Intervertebral Disc Degeneration. <i>Spine</i> , 2017, 42, 1521-1528.	1.0	19
54	Acidic Microenvironment Determines Antibiotic Susceptibility and Biofilm Formation of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 747834.	1.5	19

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55	Negative Control of TLR3 Signaling by TICAM1 Down-Regulation. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 660-667.	1.4	18
56	Fast and Efficient Measurement of Clinical and Biological Samples Using Immunoassay-Based Multiplexing Systems. Methods in Molecular Biology, 2020, 2102, 129-147.	0.4	18
57	Pathogenic mechanism of second hand smoke induced inflammation and COPD. Frontiers in Physiology, 2012, 3, 348.	1.3	17
58	Functional Genomic Assessment of Phosgene-Induced Acute Lung Injury in Mice. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 368-383.	1.4	17
59	Understanding the Host in the Management of Pneumonia. An Official American Thoracic Society Workshop Report. Annals of the American Thoracic Society, 2021, 18, 1087-1097.	1.5	17
60	K-ras mutations in lung tumors from NNK-treated mice with lipopolysaccharide-elicited lung inflammation. Anticancer Research, 2011, 31, 2877-82.	0.5	17
61	Analysis of Clinical and Biological Samples Using Microsphere-Based Multiplexing Luminex System. Methods in Molecular Biology, 2014, 1105, 43-57.	0.4	16
62	HSP70 Translocates into a cytoplasmic aggregate during lymphocyte activation. Journal of Cellular Physiology, 1995, 165, 228-238.	2.0	13
63	Regulation of Thioredoxin Gene Expression by Vitamin A in Human Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 627-635.	1.4	13
64	Functional Genomics of Chlorine-induced Acute Lung Injury in Mice. Proceedings of the American Thoracic Society, 2010, 7, 294-296.	3.5	12
65	Cigarette smoke-associated inflammation impairs bone remodeling through NF κ B activation. Journal of Translational Medicine, 2021, 19, 163.	1.8	12
66	Latent Membrane Protein 1 Is a Novel Determinant of Epstein-Barr Virus Genome Persistence and Reactivation. MSphere, 2017, 2, .	1.3	11
67	Effects of Retinoids on Augmentation of Club Cell Secretory Protein. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 928-931.	2.5	10
68	Determination and Quantification of Bacterial Virulent Gene Expression Using Quantitative Real-Time PCR. Methods in Molecular Biology, 2020, 2102, 177-193.	0.4	10
69	Antimicrobial Peptides: A Potential Therapeutic Option for Surgical Site Infections. Clinics in Surgery, 2017, 2, .	0.8	10
70	Bronchial epithelium repair by Esculentin-1a-derived antimicrobial peptides: involvement of metalloproteinase-9 and interleukin-8, and evaluation of peptidesâ€™ immunogenicity. Scientific Reports, 2019, 9, 18988.	1.6	9
71	Synergistic Biophysical Techniques Reveal Structural Mechanisms of Engineered Cationic Antimicrobial Peptides in Lipid Model Membranes. Chemistry - A European Journal, 2020, 26, 6247-6256.	1.7	9
72	Phloretin, an Apple Polyphenol, Inhibits Pathogenâ€nduced Mucin Overproduction. Molecular Nutrition and Food Research, 2021, 65, 2000658.	1.5	9

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73	Antimicrobial and Anti-Inflammatory Activity of Apple Polyphenol Phloretin on Respiratory Pathogens Associated With Chronic Obstructive Pulmonary Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 652944.	1.8	9
74	Enhanced biofilm prevention activity of a SPLUNC1-derived antimicrobial peptide against <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2018, 13, e0203621.	1.1	8
75	Identification of a novel MAGE D2 antisense RNA transcript in human tissues. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 199-204.	1.0	7
76	Chronic Inflammation in the Pathogenesis of COPD and Lung Cancer. <i>Proceedings of the American Thoracic Society</i> , 2012, 9, 81-81.	3.5	6
77	A Rare Mutation in <i>SPLUNC1</i> Affects Bacterial Adherence and Invasion in Meningococcal Disease. <i>Clinical Infectious Diseases</i> , 2020, 70, 2045-2053.	2.9	6
78	Assessment of Pathological and Physiological Changes in Mouse Lung Through Bronchoalveolar Lavage. <i>Methods in Molecular Biology</i> , 2014, 1105, 33-42.	0.4	6
79	Using Bronchoalveolar Lavage to Evaluate Changes in Pulmonary Diseases. <i>Methods in Molecular Biology</i> , 2020, 2102, 117-128.	0.4	5
80	Antimicrobial Peptides in Host Defense against Drug-Resistant Bacterial and Viral Infections. <i>Current Medicinal Chemistry</i> , 2020, 27, 1385-1386.	1.2	4
81	Lung carcinomas induced by NNK and LPS. <i>Methods in Cell Biology</i> , 2021, 163, 175-185.	0.5	4
82	Pulmonary Inflammation and KRAS Mutation in Lung Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1303, 71-87.	0.8	4
83	Heterogeneous-Backbone Proteomimetic Analogues of Lasiocepsin, a Disulfide-Rich Antimicrobial Peptide with a Compact Tertiary Fold. <i>ACS Chemical Biology</i> , 2022, 17, 987-997.	1.6	4
84	Isolation and characterization of nucleolin gene as one of the vitamin A-responsive genes in airway epithelium by a palindromic primer-based mRNA differential display method.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1996, 15, 398-403.	1.4	3
85	Urinary Bladder Matrix Protects Host in a Murine Model of Bacterial-Induced Lung Infection. <i>Tissue Engineering - Part A</i> , 2019, 25, 257-270.	1.6	3
86	Rational Framework for the Design of Trp- and Arg-Rich Peptide Antibiotics Against Multidrug-Resistant Bacteria. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	3
87	Treatment with a Urinary Bladder Matrix Alters the Innate Host Response to Pneumonia Induced by <i>Escherichia coli</i> . <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1088-1099.	2.6	2
88	SPLUNC1 Is Necessary And Sufficient To Confer In Vivo Host Defense Against <i>Mycoplasma Pneumoniae</i> Infection. , 2010, , .		1
89	Differential Expression Of SPLUNC1 And LPLUNC1 In Lungs Of Healthy Human Subjects And COPD Patients. , 2010, , .		0
90	Endothelial Dysfunction And Claudin 5 Regulation During Acrolein-induced Lung Injury. , 2010, , .		0

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91	How to control <i>Pseudomonas aeruginosa</i> -induced pneumonia and keratitis? A lesson from the amphibian skin-derived peptide Esculentin(1-21) and its diastereomer. , 0, , .		0
92	Antimicrobial Peptide Mechanisms Revealed with Scattering-Guided Molecular Dynamics Simulation. SSRN Electronic Journal, 0, , .	0.4	0