Stavros Garantziotis

List of Publications by Year
in descending order

127	7,319	71102	58581
papers	citations	41 h-index	82 g-index

132	132	132	11704
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation of hyaluronan signaling as a therapeutic target in human disease. , 2022, 232, 107993.		7
2	Proteoglycans in Toll-like receptor responses and innate immunity. American Journal of Physiology - Cell Physiology, 2022, 323, C202-C214.	4.6	10
3	The Lung Microbiome in Health, Hypersensitivity Pneumonitis, and Idiopathic Pulmonary Fibrosis: A Heavy Bacterial Burden to Bear. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 281-283.	5.6	3
4	Myofibroblastâ€“Macrophage Interactions Turn Sour in Fibrotic Lungs. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 14-15.	2.9	1
5	Inhaled high molecular weight hyaluronan ameliorates respiratory failure in acute COPD exacerbation: a pilot study. Respiratory Research, 2021, 22, 30.	3.6	26
6	sEH promotes macrophage phagocytosis and lung clearance of Streptococcus pneumoniae. Journal of Clinical Investigation, 2021, 131, .	8.2	10
7	Methods in Lung Microbiome Research. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 283-299.	2.9	94
8	Transethnic associations among immune-mediated diseases and single-nucleotide polymorphisms of the aryl hydrocarbon response gene ARNT and the PTPN22 immune regulatory gene. Journal of Autoimmunity, 2020, 107, 102363.	6.5	7
9	Translator Exposure APIs: Open Access to Data on Airborne Pollutant Exposures, Roadway Exposures, and Socio-Environmental Exposures and Use Case Application. International Journal of Environmental Research and Public Health, 2020, 17, 5243.	2.6	5
10	TLR5 Protects Against Pulmonary Fibrosis. , 2020, , .		0
11	Therapeutic responses to Roseomonas mucosa in atopic dermatitis may involve lipid-mediated TNF-related epithelial repair. Science Translational Medicine, 2020, 12, .	12.4	63
12	Hyaluronan and halogenâ€induced airway hyperresponsiveness and lung injury. Annals of the New York Academy of Sciences, 2020, 1479, 29-43.	3.8	8
13	TLR5 Activation Exacerbates Airway Inflammation in Asthma. Lung, 2020, 198, 289-298.	3.3	10
14	Upregulation of airway smooth muscle calcium-sensing receptor by low-molecular-weight hyaluronan. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L459-L471.	2.9	14
15	Lung function in oil spill responders 4-6 years after the Deepwater Horizon disaster. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2020, 83, 233-248.	2.3	10
16	Cholesterol-25-hydroxylase promotes efferocytosis and resolution of lung inflammation. JCI Insight, 2020, 5, .	5.0	35
17	TLR5 participates in the TLR4 receptor complex and promotes MyD88-dependent signaling in environmental lung injury. ELife, 2020, 9, .	6.0	51
18	Interâ€Î±â€inhibitor deficiency in the mouse is associated with alterations in anxietyâ€like behavior, exploration and social approach. Genes, Brain and Behavior, 2019, 18, e12505.	2.2	17

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19	Sugarcoating Lung Injury: A Novel Role for High-Molecular-Weight Hyaluronan in Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1197-1198.	5.6	8
20	Multi-walled carbon nanotubes upregulate mitochondrial gene expression and trigger mitochondrial dysfunction in primary human bronchial epithelial cells. Nanotoxicology, 2019, 13, 1344-1361.	3.0	17
21	IL-17A Recruits Rab35 to IL-17R to Mediate PKCÎ±-Dependent Stress Fiber Formation and Airway Smooth Muscle Contractility. Journal of Immunology, 2019, 202, 1540-1548.	0.8	13
22	Inter-Î±-inhibitor Ameliorates Endothelial Inflammation in Sepsis. Lung, 2019, 197, 361-369.	3.3	30
23	Hyaluronan biology: A complex balancing act of structure, function, location and context. Matrix Biology, 2019, 78-79, 1-10.	3.6	222
24	Microbiome Protects Against Pulmonary Fibrosis Through TLR5 Activation. , 2019, , .		0
25	Intravascular heavy chain-modification of hyaluronan during endotoxic shock. Biochemistry and Biophysics Reports, 2019, 17, 114-121.	1.3	4
26	Cholestenoic acid is a prognostic biomarker in acute respiratory distress syndrome. Journal of Allergy and Clinical Immunology, 2019, 143, 440-442.e8.	2.9	4
27	Hyaluronan interactions with innate immunity in lung biology. Matrix Biology, 2019, 78-79, 84-99.	3.6	34
28	Inflammation Gets on the Lungâ€™s Nerves: IL-17 and Neuroendocrine Cells Mediate Ozone Responses in Obesity. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 284-285.	2.9	1
29	High molecular weight hyaluronan ameliorates allergic inflammation and airway hyperresponsiveness in the mouse. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L787-L798.	2.9	14
30	Midgut Laterality Is Driven by Hyaluronan on the Right. Developmental Cell, 2018, 46, 533-551.e5.	7.0	42
31	Rapid clearance of heavy chain-modified hyaluronan during resolving acute lung injury. Respiratory Research, 2018, 19, 107.	3.6	19
32	Assessment of Ozone-Induced Lung Injury in Mice. Methods in Molecular Biology, 2018, 1809, 301-314.	0.9	2
33	Instillation of hyaluronan reverses acid instillation injury to the mammalian blood gas barrier. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L808-L821.	2.9	20
34	Toll-like Receptor 4 Pathway Polymorphisms Interact with Pollution to Influence Asthma Diagnosis and Severity. Scientific Reports, 2018, 8, 12713.	3.3	16
35	Mapping differential cellular protein response of mouse alveolar epithelial cells to multi-walled carbon nanotubes as a function of atomic layer deposition coating. Nanotoxicology, 2017, 11, 313-326.	3.0	4
36	A novel role for primary cilia in airway remodeling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L328-L338.	2.9	5

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37	Comment on Expression of Concern: TLR4 Is Necessary for Hyaluronan-mediated Airway Hyperresponsiveness after Ozone Inhalation. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 249-250.	5.6	2
38	Generating diversity in human glucocorticoid signaling through a racially diverse polymorphism in the beta isoform of the glucocorticoid receptor. Laboratory Investigation, 2017, 97, 1282-1295.	3.7	5
39	Targeted HAS2 Expression Lessens Airway Responsiveness in Chronic Murine Allergic Airway Disease. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 702-710.	2.9	5
40	INO80 is required for oncogenic transcription and tumor growth in non-small cell lung cancer. Oncogene, 2017, 36, 1430-1439.	5.9	33
41	TNF-stimulated gene 6 promotes formation of hyaluronanâ€“inter-Î±-inhibitor heavy chain complexes necessary for ozone-induced airway hyperresponsiveness. Journal of Biological Chemistry, 2017, 292, 20845-20858.	3.4	24
42	Impaired Ciliogenesis in differentiating human bronchial epithelia exposed to non-Cytotoxic doses of multi-walled carbon Nanotubes. Particle and Fibre Toxicology, 2017, 14, 44.	6.2	7
43	Bisphenol A, Bisphenol S, and 4-Hydroâ€‹xyphenyl 4-Isoproâ€‹oxyphenylâ€‹sulfone (BPSIP) in Urine and Blood of Cashiers. Environmental Health Perspectives, 2016, 124, 437-444.	6.0	169
44	Integrating Health Research into Disaster Response: The New NIH Disaster Research Response Program. International Journal of Environmental Research and Public Health, 2016, 13, 676.	2.6	47
45	Effects of inhaled high-molecular weight hyaluronan in inflammatory airway disease. Respiratory Research, 2016, 17, 123.	3.6	16
46	Correction: Ambient Ozone Primes Pulmonary Innate Immunity in Mice. Journal of Immunology, 2016, 196, 2425-2425.	0.8	0
47	The role of hyaluronan in the pathobiology and treatment of respiratory disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L785-L795.	2.9	63
48	Identification of Biomarkers of Exposure to FTOHs and PAPs in Humans Using a Targeted and Nontargeted Analysis Approach. Environmental Science & Technology, 2016, 50, 10216-10225.	10.0	40
49	Multiwalled Carbon Nanotube Functionalization with High Molecular Weight Hyaluronan Significantly Reduces Pulmonary Injury. ACS Nano, 2016, 10, 7675-7688.	14.6	41
50	Decreased Uptake and Enhanced Mitochondrial Protection Underlie Reduced Toxicity of Nanoceria in Human Monocyte-Derived Macrophages. Journal of Biomedical Nanotechnology, 2016, 12, 2139-2150.	1.1	11
51	Healthy glucocorticoid receptor N363S carriers dysregulate gene expression associated with metabolic syndrome. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E741-E748.	3.5	13
52	In utero supplementation with methyl donors enhances allergic airway disease in mice. Journal of Clinical Investigation, 2016, 126, 2012-2012.	8.2	128
53	Size Matters: Molecular Weight Specificity of Hyaluronan Effects in Cell Biology. International Journal of Cell Biology, 2015, 2015, 1-8.	2.5	293
54	The Rise and Fall of Hyaluronan in Respiratory Diseases. International Journal of Cell Biology, 2015, 2015, 1-15.	2.5	62

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55	Identification of fipronil metabolites by time-of-flight mass spectrometry for application in a human exposure study. Environment International, 2015, 78, 16-23.	10.0	70
56	Pharmacokinetics of bisphenol A in humans following a single oral administration. Environment International, 2015, 83, 107-115.	10.0	245
57	Hyaluronan mediates airway hyperresponsiveness in oxidative lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L891-L903.	2.9	59
58	Monitoring Indoor Exposure to Organophosphate Flame Retardants: Hand Wipes and House Dust. Environmental Health Perspectives, 2015, 123, 160-165.	6.0	265
59	Respiratory syncytial virus infection increases chlorine-induced airway hyperresponsiveness. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L205-L210.	2.9	17
60	Atomic Layer Deposition Coating of Carbon Nanotubes with Aluminum Oxide Alters Pro-Fibrogenic Cytokine Expression by Human Mononuclear Phagocytes In Vitro and Reduces Lung Fibrosis in Mice In Vivo. PLoS ONE, 2014, 9, e106870.	2.5	51
61	Multiwalled carbon nanotubes induce altered morphology and loss of barrier function in human bronchial epithelium at noncytotoxic doses. International Journal of Nanomedicine, 2014, 9, 4093.	6.7	26
62	Bronchial epithelial injury in the context of alloimmunity promotes lymphocytic bronchiolitis through hyaluronan expression. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L1045-L1055.	2.9	12
63	Urinary Tetrabromobenzoic Acid (TBBA) as a Biomarker of Exposure to the Flame Retardant Mixture Firemaster ^{^{Â®}} 550. Environmental Health Perspectives, 2014, 122, 963-969.	6.0	73
64	Inter-Î±-Inhibitor Blocks Epithelial Sodium Channel Activation and Decreases Nasal Potential Differences in Î”F508 Mice. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 953-962.	2.9	30
65	Intracellular Signal Modulation by Nanomaterials. Advances in Experimental Medicine and Biology, 2014, 811, 111-134.	1.6	41
66	Inflammasome activation in airway epithelial cells after multi-walled carbon nanotube exposure mediates a profibrotic response in lung fibroblasts. Particle and Fibre Toxicology, 2014, 11, 28.	6.2	109
67	Prevention and treatment of acute radiation-induced skin reactions: a systematic review and meta-analysis of randomized controlled trials. BMC Cancer, 2014, 14, 53.	2.6	163
68	p53 and NF-ÎºB Coregulate Proinflammatory Gene Responses in Human Macrophages. Cancer Research, 2014, 74, 2182-2192.	0.9	140
69	The yin: an adverse health perspective of nanoceria: uptake, distribution, accumulation, and mechanisms of its toxicity. Environmental Science: Nano, 2014, 1, 406-428.	4.3	106
70	Allogeneic Splenocyte Transfer and Lipopolysaccharide Inhalations Induce Differential T Cell Expansion and Lung Injury: A Novel Model of Pulmonary Graft-versus-Host Disease. PLoS ONE, 2014, 9, e97951.	2.5	6
71	Cyclooxygenase-2 Inhibits T Helper Cell Type 9 Differentiation during Allergic Lung Inflammation via Down-regulation of IL-17RB. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 812-822.	5.6	44
72	Sulfite-mediated oxidation of myeloperoxidase to a free radical: Immuno-spin trapping detection in human neutrophils. Free Radical Biology and Medicine, 2013, 60, 98-106.	2.9	37

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73	Interplay between apoptotic and autophagy pathways after exposure to cerium dioxide nanoparticles in human monocytes. Autophagy, 2013, 9, 101-103.	9.1	37
74	ONE Nano: NIEHSâ€™s Strategic Initiative on the Health and Safety Effects of Engineered Nanomaterials. Environmental Health Perspectives, 2013, 121, 410-414.	6.0	14
75	CD44 Plays a Critical Role in Regulating Diet-Induced Adipose Inflammation, Hepatic Steatosis, and Insulin Resistance. PLoS ONE, 2013, 8, e58417.	2.5	55
76	Anonymous Record Linkage Between EPR and CDW-H: Toward Development of a Federated Genotype-Phenotype System. AMIA Summits on Translational Science Proceedings, 2013, 2013, 143-6.	0.4	0
77	Aryl Hydrocarbon Receptor-Induced Adrenomedullin Mediates Cigarette Smoke Carcinogenicity in Humans and Mice. Cancer Research, 2012, 72, 5790-5800.	0.9	47
78	The Toll-like receptor 5 ligand flagellin promotes asthma by priming allergic responses to indoor allergens. Nature Medicine, 2012, 18, 1705-1710.	30.7	106
79	Cerium dioxide nanoparticles do not modulate the lipopolysaccharide-induced inflammatory response in human monocytes. International Journal of Nanomedicine, 2012, 7, 1387.	6.7	21
80	Cerium Dioxide Nanoparticles Induce Apoptosis and Autophagy in Human Peripheral Blood Monocytes. ACS Nano, 2012, 6, 5820-5829.	14.6	203
81	Formation of reactive sulfite-derived free radicals by the activation of human neutrophils: An ESR study. Free Radical Biology and Medicine, 2012, 52, 1264-1271.	2.9	105
82	A CommonMUC5BPromoter Polymorphism and Pulmonary Fibrosis. New England Journal of Medicine, 2011, 364, 1503-1512.	27.0	986
83	Cerium Oxide Nanoparticles Have Toxic Effects On Lung Cells. , 2011, , .		0
84	Innate immune activation potentiates alloimmune lung disease independent of chemokine (C-X-C motif) receptor 3. Journal of Heart and Lung Transplantation, 2011, 30, 717-725.	0.6	17
85	The TLR5 Ligand, Bacterial Flagellin, Is The Major Adjuvant In Common House Dust. , 2011, , .		0
86	The Environmental Polymorphism Registry: A Unique Resource that Facilitates Translational Research of Environmental Disease. Environmental Health Perspectives, 2011, 119, 1523-1527.	6.0	13
87	The Toll-Like Receptor Gene Family Is Integrated into Human DNA Damage and p53 Networks. PLoS Genetics, 2011, 7, e1001360.	3.5	126
88	Hyaluronan Signaling during Ozone-Induced Lung Injury Requires TLR4, MyD88, and TIRAP. PLoS ONE, 2011, 6, e27137.	2.5	62
89	The Role Of Extracellular Matrix Protein Mindin In Airway Response To Environmental Airways Injury. , 2011, , .		0
90	Inter-Alpha-Trypsin Inhibitor Ameliorates Endothelial Injury In Sepsis. , 2011, , .		0

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91	Inter-Alpha-Trypsin Inhibitor Heavy Chain 4 (ITIH4) Inhibits Inflammatory Cell Migration But Promotes Activation In Lung Injury. , 2011, , .		0
92	Modulation of plasma complement by the initial dose of epirubicin/docetaxel therapy in breast cancer and its predictive value. British Journal of Cancer, 2011, 104, 542-542.	6.4	3
93	Mechanical Stretch Induces Epithelial-Mesenchymal Transition in Alveolar Epithelia via Hyaluronan Activation of Innate Immunity. Journal of Biological Chemistry, 2011, 286, 17435-17444.	3.4	123
94	Environmental lung injury and pattern recognition receptors. , 2011, , 51-88.		0
95	Ecogenomics of Respiratory Diseases of Public Health Significance. Annual Review of Public Health, 2010, 31, 37-51.	17.4	26
96	Hyaluronan Causes Sustained Human Airway Myocyte Contraction. , 2010, , .		0
97	Blockade Of Hyaluronan Binding Abolishes Airway Hyperresponsiveness In Mouse Asthma Models. , 2010, , .		0
98	TLR4 Is Necessary for Hyaluronan-mediated Airway Hyperresponsiveness after Ozone Inhalation. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 666-675.	5.6	88
99	Control of Bleomycin Induced Fibrosis by Muc5ac Production and Mucociliary Clearance.. , 2009, , .		0
100	Hyaluronan Mediates Ozone-induced Airway Hyperresponsiveness in Mice. Journal of Biological Chemistry, 2009, 284, 11309-11317.	3.4	108
101	Inter-Î±-trypsin Inhibitor Promotes Bronchial Epithelial Repair after Injury through Vitronectin Binding. Journal of Biological Chemistry, 2009, 284, 16922-16930.	3.4	34
102	An Unwelcome Guest: Aspergillus Colonization in Lung Transplantation and Its Association with Bronchiolitis Obliterans Syndrome. American Journal of Transplantation, 2009, 9, 1705-1706.	4.7	12
103	CXCR3-Chemokine Pathway in a Model of Murine Alloimmune Lymphocytic Bronchiolitis (AlloLB).. , 2009, , .		0
104	Bakery flour dust exposure causes non-allergic inflammation and enhances allergic airway inflammation in mice. Clinical and Experimental Allergy, 2008, 38, 1526-1535.	2.9	17
105	Evaluating genome-wide DNA methylation changes in mice by Methylation Specific Digital Karyotyping. BMC Genomics, 2008, 9, 598.	2.8	4
106	In utero supplementation with methyl donors enhances allergic airway disease in mice. Journal of Clinical Investigation, 2008, 118, 3462-9.	8.2	361
107	The Effect of Toll-Like Receptors and Toll-Like Receptor Genetics in Human Disease. Annual Review of Medicine, 2008, 59, 343-359.	12.2	74
108	The extracellular matrix protein mindin regulates trafficking of murine eosinophils into the airspace. Journal of Leukocyte Biology, 2008, 85, 124-131.	3.3	15

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109	Serum Interâ€“Î±-Trypsin Inhibitor and Matrix Hyaluronan Promote Angiogenesis in Fibrotic Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 939-947.	5.6	49
110	A novel, non-functional, COL1A1 polymorphism is not associated with lumbar disk disease in young male Greek subjects unlike that of the Sp1 site. Hormones, 2008, 7, 251-254.	1.9	3
111	Ambient Ozone Primes Pulmonary Innate Immunity in Mice. Journal of Immunology, 2007, 179, 4367-4375.	0.8	65
112	Inter-Î±-Trypsin Inhibitor Attenuates Complement Activation and Complement-Induced Lung Injury. Journal of Immunology, 2007, 179, 4187-4192.	0.8	69
113	CD14 is an essential mediator of LPS-induced airway disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L77-L83.	2.9	43
114	Alloimmune Lung Injury Induced by Local Innate Immune Activation Through Inhaled Lipopolysaccharide. Transplantation, 2007, 84, 1012-1019.	1.0	41
115	CD44 Regulates Macrophage Recruitment to the Lung in Lipopolysaccharide-Induced Airway Disease. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 248-253.	2.9	59
116	Genetics and genomics in human lung transplantation. Expert Review of Respiratory Medicine, 2007, 1, 271-278.	2.5	1
117	Alemtuzumab in the Treatment of Refractory Acute Rejection and Bronchiolitis Obliterans Syndrome After Human Lung Transplantation. American Journal of Transplantation, 2007, 7, 2802-2808.	4.7	80
118	Leukocyte-Derived IL-10 Reduces Subepithelial Fibrosis Associated with Chronically Inhaled Endotoxin. American Journal of Respiratory Cell and Molecular Biology, 2006, 35, 662-667.	2.9	33
119	Host-Environment Interactions in Pulmonary Fibrosis. Seminars in Respiratory and Critical Care Medicine, 2006, 27, 574-580.	2.1	13
120	Association of a COL1A1 polymorphism with lumbar disc disease in young military recruits. Journal of Medical Genetics, 2005, 42, e44-e44.	3.2	72
121	Pulmonary fibrosis: thinking outside of the lung. Journal of Clinical Investigation, 2004, 114, 319-321.	8.2	39
122	Pulmonary fibrosis: thinking outside of the lung. Journal of Clinical Investigation, 2004, 114, 319-321.	8.2	22
123	Critical care of the head and neck patient. Critical Care Clinics, 2003, 19, 73-90.	2.6	15
124	A mechanistic role for cardiac myocyte apoptosis in heart failure. Journal of Clinical Investigation, 2003, 111, 1497-1504.	8.2	639
125	Fatal Re-Expansion Pulmonary Edema Associated with Increased Lung IL-8 Levels following High-Dose Chemotherapy and Autologous Stem Cell Transplant. Respiration, 2002, 69, 351-354.	2.6	5
126	Influenza Pneumonia in Lung Transplant Recipients. Chest, 2001, 119, 1277-1280.	0.8	114

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127	TLR5 Participates in the TLR4 Receptor Complex and Biases Towards MyD88-Dependent Signaling in Environmental Lung Injury. SSRN Electronic Journal, 0, , .	0.4	0