

Brigitte N Gomperts

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,563
citations

136950

32
h-index

168389

53
g-index

62
all docs

62
docs citations

62
times ranked

5904
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional models of the lung: past, present and future: a mini review. <i>Biochemical Society Transactions</i> , 2022, 50, 1045-1056.	3.4	13
2	SARS-CoV-2 infection rewires host cell metabolism and is potentially susceptible to mTORC1 inhibition. <i>Nature Communications</i> , 2021, 12, 1876.	12.8	88
3	Antiviral drug screen identifies DNA-damage response inhibitor as potent blocker of SARS-CoV-2 replication. <i>Cell Reports</i> , 2021, 35, 108940.	6.4	76
4	Transcriptional analysis of cystic fibrosis airways at single-cell resolution reveals altered epithelial cell states and composition. <i>Nature Medicine</i> , 2021, 27, 806-814.	30.7	101
5	SARS-CoV-2 infection of primary human lung epithelium for COVID-19 modeling and drug discovery. <i>Cell Reports</i> , 2021, 35, 109055.	6.4	186
6	Wnt signaling in lung development, regeneration, and disease progression. <i>Communications Biology</i> , 2021, 4, 601.	4.4	64
7	Improved SARS-CoV-2 Spike Glycoproteins for Pseudotyping Lentiviral Vectors. <i>Frontiers in Virology</i> , 2021, 1, .	1.4	1
8	Direct Exposure to SARS-CoV-2 and Cigarette Smoke Increases Infection Severity and Alters the Stem Cell-Derived Airway Repair Response. <i>Cell Stem Cell</i> , 2020, 27, 869-875.e4.	11.1	74
9	Distinct Spatiotemporally Dynamic Wnt-Secreting Niches Regulate Proximal Airway Regeneration and Aging. <i>Cell Stem Cell</i> , 2020, 27, 413-429.e4.	11.1	35
10	High-Throughput Drug Screening Identifies a Potent Wnt Inhibitor that Promotes Airway Basal Stem Cell Homeostasis. <i>Cell Reports</i> , 2020, 30, 2055-2064.e5.	6.4	18
11	Pan-cancer Convergence to a Small-Cell Neuroendocrine Phenotype that Shares Susceptibilities with Hematological Malignancies. <i>Cancer Cell</i> , 2019, 36, 17-34.e7.	16.8	119
12	Modeling Progressive Fibrosis with Pluripotent Stem Cells Identifies an Anti-fibrotic Small Molecule. <i>Cell Reports</i> , 2019, 29, 3488-3505.e9.	6.4	17
13	Silencing the Snail-Dependent RNA Splice Regulator ESRP1 Drives Malignant Transformation of Human Pulmonary Epithelial Cells. <i>Cancer Research</i> , 2018, 78, 1986-1999.	0.9	13
14	Development of a Three-Dimensional Bioengineering Technology to Generate Lung Tissue for Personalized Disease Modeling. <i>Current Protocols in Stem Cell Biology</i> , 2018, 46, e56.	3.0	14
15	Posttranslational modification of β -catenin is associated with pathogenic fibroblastic changes in bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L186-L195.	2.9	32
16	The aCCR(2)ual of M2 Macrophages Provides Some Breathing Room. <i>Cell Stem Cell</i> , 2017, 21, 1-3.	11.1	14
17	Development of a Three-Dimensional Bioengineering Technology to Generate Lung Tissue for Personalized Disease Modeling. <i>Stem Cells Translational Medicine</i> , 2017, 6, 622-633.	3.3	127
18	Differentiation of RPE cells from integration-free iPS cells and their cell biological characterization. <i>Stem Cell Research and Therapy</i> , 2017, 8, 217.	5.5	52

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19	A three-dimensional human model of the fibroblast activation that accompanies bronchopulmonary dysplasia identifies Notch-mediated pathophysiology. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L889-L898.	2.9	42
20	Molecular Pathways: Targeting Cellular Energy Metabolism in Cancer via Inhibition of SLC2A1 and LDHA. <i>Clinical Cancer Research</i> , 2015, 21, 2440-2444.	7.0	85
21	Stem and Progenitor Cells of the Trachea and Proximal Airways. <i>Pancreatic Islet Biology</i> , 2015, , 97-112.	0.3	3
22	Aldehyde Dehydrogenase Activity Enriches for Proximal Airway Basal Stem Cells and Promotes Their Proliferation. <i>Stem Cells and Development</i> , 2014, 23, 664-675.	2.1	28
23	Molecular Profiling of Premalignant Lesions in Lung Squamous Cell Carcinomas Identifies Mechanisms Involved in Stepwise Carcinogenesis. <i>Cancer Prevention Research</i> , 2014, 7, 487-495.	1.5	74
24	Dynamic Changes in Intracellular ROS Levels Regulate Airway Basal Stem Cell Homeostasis through Nrf2-Dependent Notch Signaling. <i>Cell Stem Cell</i> , 2014, 15, 199-214.	11.1	236
25	Induction of multiciliated cells from induced pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6120-6121.	7.1	17
26	Enriching the Molecular Definition of the Airway "Field of Cancerization": Establishing New Paradigms for the Patient at Risk for Lung Cancer. <i>Cancer Prevention Research</i> , 2013, 6, 4-7.	1.5	27
27	MicroRNA 4423 is a primate-specific regulator of airway epithelial cell differentiation and lung carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18946-18951.	7.1	57
28	Isolation and In Vitro Characterization of Basal and Submucosal Gland Duct Stem/Progenitor Cells from Human Proximal Airways. <i>Stem Cells Translational Medicine</i> , 2012, 1, 719-724.	3.3	81
29	Repair and regeneration of tracheal surface epithelium and submucosal glands in a mouse model of hypoxic-ischemic injury. <i>Respirology</i> , 2012, 17, 1101-1113.	2.3	37
30	Isolation of Basal Cells and Submucosal Gland Duct Cells from Mouse Trachea. <i>Journal of Visualized Experiments</i> , 2012, , e3731.	0.3	11
31	Identification of an interleukin 13-induced epigenetic signature in allergic airway inflammation. <i>American Journal of Translational Research (discontinued)</i> , 2012, 4, 219-28.	0.0	27
32	Acute lymphoblastic leukemia and cystinuria in a patient with duplication 22q11.21 detected by chromosomal microarray analysis. <i>Pediatric Blood and Cancer</i> , 2011, 56, 470-473.	1.5	9
33	Novel Stem/Progenitor Cell Population from Murine Tracheal Submucosal Gland Ducts with Multipotent Regenerative Potential. <i>Stem Cells</i> , 2011, 29, 1283-1293.	3.2	124
34	Evolving Concepts in Lung Carcinogenesis. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2011, 32, 032-043.	2.1	60
35	Lung Cancer Biomarkers: FISHing in the Sputum for Risk Assessment and Early Detection. <i>Cancer Prevention Research</i> , 2010, 3, 420-423.	1.5	8
36	Presence of a Putative Tumor-Initiating Progenitor Cell Population Predicts Poor Prognosis in Smokers with Non-Small Cell Lung Cancer. <i>Cancer Research</i> , 2010, 70, 6639-6648.	0.9	53

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37	Quantification of Cytokeratin 5 mRNA Expression in the Circulation of Healthy Human Subjects and after Lung Transplantation. PLoS ONE, 2009, 4, e5925.	2.5	3
38	Case 1: A limping child with abdominal pain. Paediatrics and Child Health, 2008, 13, 775-777.	0.6	0
39	Circulating progenitor cells in chronic lung disease. Expert Review of Respiratory Medicine, 2007, 1, 157-165.	2.5	6
40	IL-13 Is Pivotal in the Fibro-Obliterative Process of Bronchiolitis Obliterans Syndrome. Journal of Immunology, 2007, 178, 511-519.	0.8	81
41	Keratinocyte Growth Factor Improves Repair in the Injured Tracheal Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 48-56.	2.9	46
42	IL-13 Regulates Cilia Loss and foxj1 Expression in Human Airway Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 339-346.	2.9	76
43	Fibrocytes in lung disease. Journal of Leukocyte Biology, 2007, 82, 449-456.	3.3	132
44	Stem Cells and Chronic Lung Disease. Annual Review of Medicine, 2007, 58, 285-298.	12.2	41
45	The role of CXC chemokines in pulmonary fibrosis. Journal of Clinical Investigation, 2007, 117, 549-556.	8.2	235
46	Circulating Progenitor Epithelial Cells Traffic via CXCR4/CXCL12 in Response to Airway Injury. Journal of Immunology, 2006, 176, 1916-1927.	0.8	134
47	Chemokines in Lung Cancer. Clinical Pulmonary Medicine, 2006, 13, 356-364.	0.3	0
48	Chemokine-Directed Metastasis. , 2006, 13, 170-190.		17
49	Mobilization of Circulating Progenitor Epithelial Cells with Keratinocyte Growth Factor Aids in Airway Repair.. Blood, 2006, 108, 281-281.	1.4	0
50	CXCR2/CXCR2 Ligand Biology during Lung Transplant Ischemia-Reperfusion Injury. Journal of Immunology, 2005, 175, 6931-6939.	0.8	92
51	CXC chemokines in angiogenesis. Cytokine and Growth Factor Reviews, 2005, 16, 593-609.	7.2	350
52	Role of CXCR2/CXCR2 ligands in vascular remodeling during bronchiolitis obliterans syndrome. Journal of Clinical Investigation, 2005, 115, 1150-1162.	8.2	93
53	Role of CXCR2/CXCR2 ligands in vascular remodeling during bronchiolitis obliterans syndrome. Journal of Clinical Investigation, 2005, 115, 1150-1162.	8.2	71
54	Circulating Cytokeratin 5+ Progenitor Epithelial Cells Also Express Other Progenitor Cell Markers and Are Necessary for Normal Airway Repair.. Blood, 2005, 106, 393-393.	1.4	0

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55	Foxj1 regulates basal body anchoring to the cytoskeleton of ciliated pulmonary epithelial cells. Journal of Cell Science, 2004, 117, 1329-1337.	2.0	121
56	CXCR4+ Cytokeratin5+ CD45+ Progenitor Epithelial Cells Are Present in Bone Marrow and Are Recruited during Airway Epithelial Injury.. Blood, 2004, 104, 3593-3593.	1.4	0
57	GONOCOCCAL HAND ABSCESS. Pediatric Infectious Disease Journal, 2000, 19, 671-672.	2.0	6
58	Establishment of Long-Termin VitroCultures of Human Ovarian Cystadenomas and LMP Tumors and Examination of Their Spectrum of Expression of Matrix-Degrading Proteinases. Gynecologic Oncology, 1997, 67, 277-284.	1.4	21