Brigitte N Gomperts

List of Publications by Year
in descending order

58	3,563	136950 32	168389 53
papers	citations	h-index	g-index

62	62	62	5904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CXC chemokines in angiogenesis. Cytokine and Growth Factor Reviews, 2005, 16, 593-609.	7.2	350
2	Dynamic Changes in Intracellular ROS Levels Regulate Airway Basal Stem Cell Homeostasis through Nrf2-Dependent Notch Signaling. Cell Stem Cell, 2014, 15, 199-214.	11.1	236
3	The role of CXC chemokines in pulmonary fibrosis. Journal of Clinical Investigation, 2007, 117, 549-556.	8.2	235
4	SARS-CoV-2 infection of primary human lung epithelium for COVID-19 modeling and drug discovery. Cell Reports, 2021, 35, 109055.	6.4	186
5	Circulating Progenitor Epithelial Cells Traffic via CXCR4/CXCL12 in Response to Airway Injury. Journal of Immunology, 2006, 176, 1916-1927.	0.8	134
6	Fibrocytes in lung disease. Journal of Leukocyte Biology, 2007, 82, 449-456.	3.3	132
7	Development of a Three-Dimensional Bioengineering Technology to Generate Lung Tissue for Personalized Disease Modeling. Stem Cells Translational Medicine, 2017, 6, 622-633.	3.3	127
8	Novel Stem/Progenitor Cell Population from Murine Tracheal Submucosal Gland Ducts with Multipotent Regenerative Potential. Stem Cells, 2011, 29, 1283-1293.	3.2	124
9	Foxj1 regulates basal body anchoring to the cytoskeleton of ciliated pulmonary epithelial cells. Journal of Cell Science, 2004, 117, 1329-1337.	2.0	121
10	Pan-cancer Convergence to a Small-Cell Neuroendocrine Phenotype that Shares Susceptibilities with Hematological Malignancies. Cancer Cell, 2019, 36, 17-34.e7.	16.8	119
11	Transcriptional analysis of cystic fibrosis airways at single-cell resolution reveals altered epithelial cell states and composition. Nature Medicine, 2021, 27, 806-814.	30.7	101
12	Role of CXCR2/CXCR2 ligands in vascular remodeling during bronchiolitis obliterans syndrome. Journal of Clinical Investigation, 2005, 115, 1150-1162.	8.2	93
13	CXCR2/CXCR2 Ligand Biology during Lung Transplant Ischemia-Reperfusion Injury. Journal of Immunology, 2005, 175, 6931-6939.	0.8	92
14	SARS-CoV-2 infection rewires host cell metabolism and is potentially susceptible to mTORC1 inhibition. Nature Communications, 2021, 12, 1876.	12.8	88
15	Molecular Pathways: Targeting Cellular Energy Metabolism in Cancer via Inhibition of SLC2A1 and LDHA. Clinical Cancer Research, 2015, 21, 2440-2444.	7.0	85
16	IL-13 Is Pivotal in the Fibro-Obliterative Process of Bronchiolitis Obliterans Syndrome. Journal of Immunology, 2007, 178, 511-519.	0.8	81
17	Isolation and In Vitro Characterization of Basal and Submucosal Gland Duct Stem/Progenitor Cells from Human Proximal Airways. Stem Cells Translational Medicine, 2012, 1, 719-724.	3.3	81
18	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

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19	Antiviral drug screen identifies DNA-damage response inhibitor as potent blocker of SARS-CoV-2 replication. Cell Reports, 2021, 35, 108940.	6.4	76
20	Molecular Profiling of Premalignant Lesions in Lung Squamous Cell Carcinomas Identifies Mechanisms Involved in Stepwise Carcinogenesis. Cancer Prevention Research, 2014, 7, 487-495.	1.5	74
21	Direct Exposure to SARS-CoV-2 and Cigarette Smoke Increases Infection Severity and Alters the Stem Cell-Derived Airway Repair Response. Cell Stem Cell, 2020, 27, 869-875.e4.	11.1	74
22	Role of CXCR2/CXCR2 ligands in vascular remodeling during bronchiolitis obliterans syndrome. Journal of Clinical Investigation, 2005, 115, 1150-1162.	8.2	71
23	Wnt signaling in lung development, regeneration, and disease progression. Communications Biology, 2021, 4, 601.	4.4	64
24	Evolving Concepts in Lung Carcinogenesis. Seminars in Respiratory and Critical Care Medicine, 2011, 32, 032-043.	2.1	60
25	MicroRNA 4423 is a primate-specific regulator of airway epithelial cell differentiation and lung carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18946-18951.	7.1	57
26	Presence of a Putative Tumor-Initiating Progenitor Cell Population Predicts Poor Prognosis in Smokers with Nonâ€“Small Cell Lung Cancer. Cancer Research, 2010, 70, 6639-6648.	0.9	53
27	Differentiation of RPE cells from integration-free iPS cells and their cell biological characterization. Stem Cell Research and Therapy, 2017, 8, 217.	5.5	52
28	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
29	A three-dimensional human model of the fibroblast activation that accompanies bronchopulmonary dysplasia identifies Notch-mediated pathophysiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L889-L898.	2.9	42
30	Stem Cells and Chronic Lung Disease. Annual Review of Medicine, 2007, 58, 285-298.	12.2	41
31	Repair and regeneration of tracheal surface epithelium and submucosal glands in a mouse model of hypoxicâ€ischemic injury. Respirology, 2012, 17, 1101-1113.	2.3	37
32	Distinct Spatiotemporally Dynamic Wnt-Secreting Niches Regulate Proximal Airway Regeneration and Aging. Cell Stem Cell, 2020, 27, 413-429.e4.	11.1	35
33	Posttranslational modification of Î²-catenin is associated with pathogenic fibroblastic changes in bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L186-L195.	2.9	32
34	Aldehyde Dehydrogenase Activity Enriches for Proximal Airway Basal Stem Cells and Promotes Their Proliferation. Stem Cells and Development, 2014, 23, 664-675.	2.1	28
35	Enriching the Molecular Definition of the Airway â€œField of Cancerization:â€•Establishing New Paradigms for the Patient at Risk for Lung Cancer. Cancer Prevention Research, 2013, 6, 4-7.	1.5	27
36	Identification of an interleukin 13-induced epigenetic signature in allergic airway inflammation. American Journal of Translational Research (discontinued), 2012, 4, 219-28.	0.0	27

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37	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
38	High-Throughput Drug Screening Identifies a Potent Wnt Inhibitor that Promotes Airway Basal Stem Cell Homeostasis. Cell Reports, 2020, 30, 2055-2064.e5.	6.4	18
39	Chemokine-Directed Metastasis. , 2006, 13, 170-190.		17
40	Induction of multiciliated cells from induced pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6120-6121.	7.1	17
41	Modeling Progressive Fibrosis with Pluripotent Stem Cells Identifies an Anti-fibrotic Small Molecule. Cell Reports, 2019, 29, 3488-3505.e9.	6.4	17
42	The aCCR(2)ual of M2 Macrophages Provides Some Breathing Room. Cell Stem Cell, 2017, 21, 1-3.	11.1	14
43	Development of a Threeâ€Dimensional Bioengineering Technology to Generate Lung Tissue for Personalized Disease Modeling. Current Protocols in Stem Cell Biology, 2018, 46, e56.	3.0	14
44	Silencing the Snail-Dependent RNA Splice Regulator ESRP1 Drives Malignant Transformation of Human Pulmonary Epithelial Cells. Cancer Research, 2018, 78, 1986-1999.	0.9	13
45	Three-dimensional models of the lung: past, present and future: a mini review. Biochemical Society Transactions, 2022, 50, 1045-1056.	3.4	13
46	Isolation of Basal Cells and Submucosal Gland Duct Cells from Mouse Trachea. Journal of Visualized Experiments, 2012, , e3731.	0.3	11
47	Bâ€Acute lymphoblastic leukemia and cystinuria in a patient with duplication 22q11.21 detected by chromosomal microarray analysis. Pediatric Blood and Cancer, 2011, 56, 470-473.	1.5	9
48	Lung Cancer Biomarkers: FISHing in the Sputum for Risk Assessment and Early Detection. Cancer Prevention Research, 2010, 3, 420-423.	1.5	8
49	GONOCOCCAL HAND ABSCESS. Pediatric Infectious Disease Journal, 2000, 19, 671-672.	2.0	6
50	Circulating progenitor cells in chronic lung disease. Expert Review of Respiratory Medicine, 2007, 1, 157-165.	2.5	6
51	Stem and Progenitor Cells of the Trachea and Proximal Airways. Pancreatic Islet Biology, 2015, , 97-112.	0.3	3
52	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
53	Improved SARS-CoV-2 Spike Glycoproteins for Pseudotyping Lentiviral Vectors. Frontiers in Virology, 2021, 1, .	1.4	1
54	Chemokines in Lung Cancer. Clinical Pulmonary Medicine, 2006, 13, 356-364.	0.3	0

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55	Case 1: A limping childâ€¦with abdominal pain. Paediatrics and Child Health, 2008, 13, 775-777.	0.6	0
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	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
58	Mobilization of Circulating Progenitor Epithelial Cells with Keratinocyte Growth Factor Aids in Airway Repair.. Blood, 2006, 108, 281-281.	1.4	0