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List of Publications by Year in descending order

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43 papers	3,008 citations	236925 25 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	3501 citing authors

#	Article	IF	Citations
1	QSulf1 remodels the 6-O sulfation states of cell surface heparan sulfate proteoglycans to promote Wnt signaling. Journal of Cell Biology, 2003, 162, 341-351.	5.2	443
2	Regulation of Wnt Signaling and Embryo Patterning by an Extracellular Sulfatase. Science, 2001, 293, 1663-1666.	12.6	436
3	Phosphoinositide 3-kinase and Akt are essential for Sonic Hedgehog signaling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4505-4510.	7.1	418
4	QSulf1, a heparan sulfate 6-O-endosulfatase, inhibits fibroblast growth factor signaling in mesoderm induction and angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4833-4838.	7.1	186
5	SULF1 and SULF2 regulate heparan sulfate-mediated GDNF signaling for esophageal innervation. Development (Cambridge), 2007, 134, 3327-3338.	2.5	148
6	Substrate Specificity and Domain Functions of Extracellular Heparan Sulfate 6-O-Endosulfatases, QSulf1 and QSulf2. Journal of Biological Chemistry, 2006, 281, 4969-4976.	3.4	136
7	Ventral Neural Progenitors Switch toward an Oligodendroglial Fate in Response to Increased Sonic Hedgehog (Shh) Activity: Involvement of Sulfatase 1 in Modulating Shh Signaling in the Ventral Spinal Cord. Journal of Neuroscience, 2006, 26, 5037-5048.	3.6	108
8	Derivation of lung mesenchymal lineages from the fetal mesothelium requires hedgehog signaling for mesothelial cell entry. Development (Cambridge), 2013, 140, 4398-4406.	2.5	85
9	A Shh/miR-206/BDNF Cascade Coordinates Innervation and Formation of Airway Smooth Muscle. Journal of Neuroscience, 2011, 31, 15407-15415.	3.6	76
10	A mutant-cell library for systematic analysis of heparan sulfate structureâ€“function relationships. Nature Methods, 2018, 15, 889-899.	19.0	71
11	Sulfs are regulators of growth factor signaling for satellite cell differentiation and muscle regeneration. Developmental Biology, 2007, 311, 464-477.	2.0	63
12	WT1-Dependent Sulfatase Expression Maintains the Normal Glomerular Filtration Barrier. Journal of the American Society of Nephrology: JASN, 2011, 22, 1286-1296.	6.1	58
13	Genetic Control of Fatty Acid Î²-Oxidation in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 738-748.	2.9	55
14	Age-Related Dopaminergic Innervation Augments T Helper 2-Type Allergic Inflammation in the Postnatal Lung. Immunity, 2019, 51, 1102-1118.e7.	14.3	53
15	Heparan Sulfate 6-O-endosulfatases (Sulfs) Coordinate the Wnt Signaling Pathways to Regulate Myoblast Fusion during Skeletal Muscle Regeneration. Journal of Biological Chemistry, 2012, 287, 32651-32664.	3.4	50
16	Pulmonary Neuroendocrine Cells Secrete Î³-Aminobutyric Acid to Induce Goblet Cell Hyperplasia in Primate Models. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 687-694.	2.9	47
17	Cryopreserved Human Precision-Cut Lung Slices as a Bioassay for Live Tissue Banking. A Viability Study of Bronchodilation with Bitter-Taste Receptor Agonists. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 656-663.	2.9	46
18	miR-326 Is Downstream of Sonic Hedgehog Signaling and Regulates the Expression of Gli2 and Smoothened. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 273-283.	2.9	43

#	Article	IF	Citations
19	Early life allergenâ€induced mucus overproduction requires augmented neural stimulation of pulmonary neuroendocrine cell secretion. FASEB Journal, 2017, 31, 4117-4128.	0.5	42
20	Airway Contractility in the Precision-Cut Lung Slice after Cryopreservation. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 876-881.	2.9	40
21	An NT4/TrkBâ€dependent increase in innervation links earlyâ€life allergen exposure to persistent airway hyperreactivity. FASEB Journal, 2014, 28, 897-907.	0.5	39
22	Mechanisms of respiratory innervation during embryonic development. Organogenesis, 2013, 9, 194-198.	1.2	35
23	Expression regulation and function of heparan sulfate 6-O-endosulfatases in the spermatogonial stem cell niche. Glycobiology, 2011, 21, 152-161.	2.5	34
24	Neural Crest Cell Origin and Signals for Intrinsic Neurogenesis in the Mammalian Respiratory Tract. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 293-301.	2.9	28
25	A subtractive approach to characterize genes with regionalized expression in the gliogenic ventral neuroepithelium: identification of chick Sulfatase 1 as a new oligodendrocyte lineage gene. Molecular and Cellular Neurosciences, 2004, 25, 612-628.	2.2	27
26	Quail Sulf1 Function Requires Asparagine-linked Glycosylation. Journal of Biological Chemistry, 2007, 282, 34492-34499.	3.4	27
27	Yap/Taz inhibit goblet cell fate to maintain lung epithelial homeostasis. Cell Reports, 2021, 36, 109347.	6.4	24
28	A New Approach for the Study of Lung Smooth Muscle Phenotypes and Its Application in a Murine Model of Allergic Airway Inflammation. PLoS ONE, 2013, 8, e74469.	2.5	23
29	Airway basal stem cells generate distinct subpopulations of PNECs. Cell Reports, 2021, 35, 109011.	6.4	22
30	Activation Dynamics and Signaling Properties of Notch3 Receptor in the Developing Pulmonary Artery. Journal of Biological Chemistry, 2011, 286, 22678-22687.	3.4	21
31	Neurotrophins in Asthma. Current Allergy and Asthma Reports, 2018, 18, 10.	5.3	18
32	Targeting acetylcholine receptor M3 prevents the progression of airway hyperreactivity in a mouse model of childhood asthma. FASEB Journal, 2017, 31, 4335-4346.	0.5	15
33	Expression of Piwi protein MIWI2 defines a distinct population of multiciliated cells. Journal of Clinical Investigation, 2017, 127, 3866-3876.	8.2	14
34	Single-cell immunophenotyping of the fetal immune response to maternal SARS-CoV-2 infection in late gestation. Pediatric Research, 2022, 91, 1090-1098.	2.3	14
35	VEGF receptor 2 (KDR) protects airways from mucus metaplasia through a Sox9-dependent pathway. Developmental Cell, 2021, 56, 1646-1660.e5.	7.0	13
36	Trinucleotide Repeat Containing 6a (Tnrc6a)-mediated MicroRNA Function Is Required for Development of Yolk Sac Endoderm. Journal of Biological Chemistry, 2012, 287, 5979-5987.	3.4	10

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37	Remodeling of Heparan Sulfate Sulfation by Extracellular Endosulfatases. , 2005, , 245-258.		9
38	Glycogen synthase kinase 3-Î² inhibition induces lymphangiogenesis through Î²-catenin-dependent and mTOR-independent pathways. PLoS ONE, 2019, 14, e0213831.	2.5	9
39	Pulmonary Vasculopathy Associated with FIGF Gene Mutation. American Journal of Pathology, 2017, 187, 25-32.	3.8	8
40	Prematurity alters the progenitor cell program of the upper respiratory tract of neonates. Scientific Reports, 2021, 11, 10799.	3.3	7
41	Primary culture of immature, naÃ¯ve mouse CD4+ TÂcells. STAR Protocols, 2021, 2, 100756.	1.2	4
42	Inhibiting Airway Smooth Muscle Contraction Using Pitavastatin: A Role for the Mevalonate Pathway in Regulating Cytoskeletal Proteins. Frontiers in Pharmacology, 2020, 11, 469.	3.5	2
43	CD38 plays an age-related role in cholinergic deregulation of airway smooth muscle contractility. Journal of Allergy and Clinical Immunology, 2022, 149, 1643-1654.e8.	2.9	1