

# Zea Borok

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91  
papers

4,533  
citations

36  
h-index

66  
g-index

95  
ext. papers

5,237  
ext. citations

6  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
91	Development of human alveolar epithelial cell models to study distal lung biology and disease.. <i>IScience</i> , <b>2022</b> , 25, 103780	6.1	2
90	Type I Cells <b>2022</b> , 1-9		
89	Hedgehog-responsive PDGFRa(+) fibroblasts maintain a unique pool of alveolar epithelial progenitor cells during alveogenesis.. <i>Cell Reports</i> , <b>2022</b> , 39, 110608	10.6	1
88	A wearable eddy current based pulmonary function sensor for continuous non-contact point-of-care monitoring during the COVID-19 pandemic. <i>Scientific Reports</i> , <b>2021</b> , 11, 20144	4.9	1
87	Endoplasmic reticulum chaperone GRP78/BiP is critical for mutant Kras-driven lung tumorigenesis. <i>Oncogene</i> , <b>2021</b> , 40, 3624-3632	9.2	1
86	Categorization of lung mesenchymal cells in development and fibrosis. <i>IScience</i> , <b>2021</b> , 24, 102551	6.1	5
85	Vitamin C, Thiamine, and Hydrocortisone in the Treatment of Sepsis: A Meta-Analysis and Trial Sequential Analysis of Randomized Controlled Trials. <i>Journal of Intensive Care Medicine</i> , <b>2021</b> , 8850666203878079	6.1	5
84	Genome-wide integration of microRNA and transcriptomic profiles of differentiating human alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 319, L173-L184	5.8	5
83	Efficient Generation and Transcriptomic Profiling of Human iPSC-Derived Pulmonary Neuroendocrine Cells. <i>IScience</i> , <b>2020</b> , 23, 101083	6.1	12
82	WNT5a-ROR Signaling Is Essential for Alveogenesis. <i>Cells</i> , <b>2020</b> , 9,	7.9	11
81	Epithelial Vegfa Specifies a Distinct Endothelial Population in the Mouse Lung. <i>Developmental Cell</i> , <b>2020</b> , 52, 617-630.e6	10.2	61
80	Loss in Epithelial Progenitors Reveals an Age-linked Role for Endoplasmic Reticulum Stress in Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 198-211	10.2	39
79	Integrated Single-Cell RNA-Sequencing Analysis of Aquaporin 5-Expressing Mouse Lung Epithelial Cells Identifies GPRC5A as a Novel Validated Type I Cell Surface Marker. <i>Cells</i> , <b>2020</b> , 9,	7.9	5
78	Protocol for Differentiation of Human iPSCs into Pulmonary Neuroendocrine Cells. <i>STAR Protocols</i> , <b>2020</b> , 1, 100068	1.4	2
77	TENET 2.0: Identification of key transcriptional regulators and enhancers in lung adenocarcinoma. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1009023	6	6
76	Secondary crest myofibroblast PDGFR $\alpha$ controls the elastogenesis pathway via a secondary tier of signaling networks during alveogenesis. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	17
75	Transcriptional control of lung alveolar type 1 cell development and maintenance by NK homeobox 2-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 20545-20555	11.5	38

74	Circulating angiotensin peptides levels in Acute Respiratory Distress Syndrome correlate with clinical outcomes: A pilot study. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213096	3.7	63
73	Is an Epigenetically Regulated Tumor Suppressor Essential for Activation of the DNA Damage Response. <i>Cancer Research</i> , <b>2019</b> , 79, 3050-3062	10.1	57
72	Dichotomous roles of claudins as tumor promoters or suppressors: lessons from knockout mice. <i>Cellular and Molecular Life Sciences</i> , <b>2019</b> , 76, 4663-4672	10.3	6
71	CISH is a negative regulator of IL-13-induced CCL26 production in lung fibroblasts. <i>Allergy International</i> , <b>2019</b> , 68, 101-109	4.4	5
70	Alveolar epithelial cell processing of nanoparticles activates autophagy and lysosomal exocytosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2018</b> , 315, L286-L300	5.8	7
69	Claudin-18-mediated YAP activity regulates lung stem and progenitor cell homeostasis and tumorigenesis. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 970-984	15.9	81
68	Vitamin D status in sarcoidosis: a cross-sectional study. <i>Sarcoidosis Vasculitis and Diffuse Lung Diseases</i> , <b>2018</b> , 35, 154-159	1.1	1
67	Interactions of Inhaled Nanoparticles with Rat Alveolar Epithelial Cell Monolayers. <i>FASEB Journal</i> , <b>2018</b> , 32, 745.3	0.9	
66	Positional integration of lung adenocarcinoma susceptibility loci with primary human alveolar epithelial cell epigenomes. <i>Epigenomics</i> , <b>2018</b> , 10, 1167-1187	4.4	10
65	CLDN18.1 attenuates malignancy and related signaling pathways of lung adenocarcinoma in vivo and in vitro. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 3169-3180	7.5	10
64	Addressing Gender Inequality in Our Disciplines: Report from the Association of Pulmonary, Critical Care, and Sleep Division Chiefs. <i>Annals of the American Thoracic Society</i> , <b>2018</b> , 15, 1382-1390	4.7	7
63	Region-specific role for Pten in maintenance of epithelial phenotype and integrity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 312, L131-L142	5.8	3
62	Epigenome-wide analysis of DNA methylation in lung tissue shows concordance with blood studies and identifies tobacco smoke-inducible enhancers. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 3014-3027	5.6	64
61	Cell-specific expression of aquaporin-5 (Aqp5) in alveolar epithelium is directed by GATA6/Sp1 via histone acetylation. <i>Scientific Reports</i> , <b>2017</b> , 7, 3473	4.9	18
60	Oligopeptide Transport in Rat Lung Alveolar Epithelial Cells is Mediated by Pept2. <i>Pharmaceutical Research</i> , <b>2017</b> , 34, 2488-2497	4.5	4
59	Platelet CLEC-2 protects against lung injury via effects of its ligand podoplanin on inflammatory alveolar macrophages in the mouse. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 313, L1016-L1029	5.8	33
58	Cross-Species Transcriptome Profiling Identifies New Alveolar Epithelial Type I Cell-Specific Genes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2017</b> , 56, 310-321	5.7	14
57	Astrocytic tight junctions control inflammatory CNS lesion pathogenesis. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3136-3151	15.9	111

56	Pleiotropic Analysis of Lung Cancer and Blood Triglycerides. <i>Journal of the National Cancer Institute</i> , <b>2016</b> , 108,	9.7	9
55	IL-1R1-MyD88 axis elicits papain-induced lung inflammation. <i>European Journal of Immunology</i> , <b>2016</b> , 46, 2531-2541	6.1	19
54	The importance of detailed epigenomic profiling of different cell types within organs. <i>Epigenomics</i> , <b>2016</b> , 8, 817-29	4.4	13
53	Mesodermal ALK5 controls lung myofibroblast versus lipofibroblast cell fate. <i>BMC Biology</i> , <b>2016</b> , 14, 19	7.3	24
52	p300/βCatenin Interactions Regulate Adult Progenitor Cell Differentiation Downstream of WNT5a/Protein Kinase C (PKC). <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 6569-82	5.4	55
51	Knockout Mice Reveal a Major Role for Alveolar Epithelial Type I Cells in Alveolar Fluid Clearance. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2016</b> , 55, 395-406	5.7	16
50	Non-canonical WNT signalling in the lung. <i>Journal of Biochemistry</i> , <b>2015</b> , 158, 355-65	3.1	25
49	A fluid secretion pathway unmasked by acinar-specific Tmem16A gene ablation in the adult mouse salivary gland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2263-8	11.5	55
48	Effects of Endoplasmic Reticulum (ER) Stress on Epithelial Injury and Fibrosis in Alveolar Epithelial Type II Cell (AT2)-Specific Grp78 Knockout Mice. <i>FASEB Journal</i> , <b>2015</b> , 29, 1015.4	0.9	
47	Characterizing the genetic basis of methylome diversity in histologically normal human lung tissue. <i>Nature Communications</i> , <b>2014</b> , 5, 3365	17.4	103
46	Alveolar epithelium: beyond the barrier. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2014</b> , 50, 853-6	5.7	12
45	Transcriptomic Profiling of Primary Alveolar Epithelial Cell Differentiation in Human and Rat. <i>Genomics Data</i> , <b>2014</b> , 2, 105-109		5
44	Claudin 4 knockout mice: normal physiological phenotype with increased susceptibility to lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2014</b> , 307, L524-36	5.8	54
43	Knockout mice reveal key roles for claudin 18 in alveolar barrier properties and fluid homeostasis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2014</b> , 51, 210-22	5.7	58
42	Cytosolic calcium regulates nanoparticle egress from alveolar epithelial cells (780.11). <i>FASEB Journal</i> , <b>2014</b> , 28, 780.11	0.9	
41	Integrated transcriptomic and epigenomic analysis of primary human lung epithelial cell differentiation. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003513	6	41
40	Effect of surfactants on polystyrene nanoparticle (PNP) interactions with primary rat alveolar epithelial cell monolayers (RAECM). <i>FASEB Journal</i> , <b>2013</b> , 27, 722.5	0.9	
39	Nanodiamond (ND) interactions with primary rat alveolar epithelial cell monolayers (RAECM). <i>FASEB Journal</i> , <b>2013</b> , 27, 722.6	0.9	

38	Ligand-independent transforming growth factor- $\beta$ type I receptor signalling mediates type I collagen-induced epithelial-mesenchymal transition. <i>Journal of Pathology</i> , <b>2012</b> , 226, 633-44	9.4	39
37	EMT and interstitial lung disease: a mysterious relationship. <i>Current Opinion in Pulmonary Medicine</i> , <b>2012</b> , 18, 517-23	3	129
36	Role of sodium pump $\alpha$ subunit in adult mouse lung alveolar fluid homeostasis. <i>FASEB Journal</i> , <b>2012</b> , 26, 1069.6	0.9	1
35	Translocation of PEGylated quantum dots across rat alveolar epithelial cell monolayers. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 2849-57	7.3	11
34	Nanomaterial interactions with and trafficking across the lung alveolar epithelial barrier: implications for health effects of air-pollution particles. <i>Air Quality, Atmosphere and Health</i> , <b>2011</b> , 4, 65-78	5.6	15
33	Epithelium-specific deletion of TGF- $\beta$ receptor type II protects mice from bleomycin-induced pulmonary fibrosis. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 277-87	15.9	151
32	Alveolar epithelial cell injury due to zinc oxide nanoparticle exposure. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 1398-409	10.2	73
31	Mechanisms of alveolar epithelial translocation of a defined population of nanoparticles. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2010</b> , 42, 604-14	5.7	87
30	Directed expression of Cre in alveolar epithelial type 1 cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2010</b> , 43, 173-8	5.7	51
29	Characterization of mouse alveolar epithelial cell monolayers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2009</b> , 296, L1051-8	5.8	60
28	Role for alpha3 integrin in EMT and pulmonary fibrosis. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 7-10	15.9	33
27	GATA-6 mediates transcriptional activation of aquaporin-5 through interactions with Sp1. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 295, C1141-50	5.4	16
26	Rat aquaporin-5 4.3-kb 5Tflanking region differentially regulates expression in salivary gland and lung in vivo. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 295, C111-20	5.4	6
25	Foxp2 inhibits Nkx2.1-mediated transcription of SP-C via interactions with the Nkx2.1 homeodomain. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2008</b> , 38, 750-8	5.7	35
24	Effects of KGF on alveolar epithelial cell transdifferentiation are mediated by JNK signaling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2008</b> , 38, 239-46	5.7	32
23	Expression and biological activity of ABCA1 in alveolar epithelial cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2008</b> , 38, 283-92	5.7	30
22	Functional characterization and cloning of amino acid transporter B(0,+) <sup>+</sup> (ATB(0,+)) in primary cultured rat pneumocytes. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 214, 645-54	7	11
21	Polystyrene nanoparticle trafficking across alveolar epithelium. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2008</b> , 4, 139-45	6	74

20	TGF-beta-induced EMT: mechanisms and implications for fibrotic lung disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2007</b> , 293, L525-34	5.8	742
19	Physical and functional interactions between homeodomain NKX2.1 and winged helix/forkhead FOXA1 in lung epithelial cells. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 2155-65	4.8	54
18	Nanoparticle effects on rat alveolar epithelial cell monolayer barrier properties. <i>Toxicology in Vitro</i> , <b>2007</b> , 21, 1373-81	3.6	64
17	Developmental pathways and specification of intrapulmonary stem cells. <i>Pediatric Research</i> , <b>2006</b> , 59, 84R-93R	3.2	19
16	Induction of epithelial-mesenchymal transition in alveolar epithelial cells by transforming growth factor-beta1: potential role in idiopathic pulmonary fibrosis. <i>American Journal of Pathology</i> , <b>2005</b> , 166, 1321-32	5.8	761
15	Development of a lung slice preparation for recording ion channel activity in alveolar epithelial type I cells. <i>Respiratory Research</i> , <b>2005</b> , 6, 40	7.3	20
14	Identification of three genes of known function expressed by alveolar epithelial type I cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2003</b> , 29, 98-105	5.7	45
13	Timeless in lung morphogenesis. <i>Developmental Dynamics</i> , <b>2003</b> , 228, 82-94	2.9	26
12	Lung edema clearance: 20 years of progress: invited review: role of aquaporin water channels in fluid transport in lung and airways. <i>Journal of Applied Physiology</i> , <b>2002</b> , 93, 2199-206	3.7	120
11	Na transport proteins are expressed by rat alveolar epithelial type I cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2002</b> , 282, L599-608	5.8	115
10	Re-evaluating the Na(+) conductance of adult rat alveolar type II pneumocytes: evidence for the involvement of cGMP-activated cation channels. <i>Journal of Physiology</i> , <b>2001</b> , 536, 693-701	3.9	38
9	Vesicular stomatitis virus G-pseudotyped lentivirus vectors mediate efficient apical transduction of polarized quiescent primary alveolar epithelial cells. <i>Journal of Virology</i> , <b>2001</b> , 75, 11747-54	6.6	31
8	Differential regulation of rat aquaporin-5 promoter/enhancer activities in lung and salivary epithelial cells. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 26507-14	5.4	36
7	KGF prevents hyperoxia-induced reduction of active ion transport in alveolar epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>1999</b> , 276, C1352-60	5.4	25
6	Keratinocyte growth factor modulates alveolar epithelial cell phenotype in vitro: expression of aquaporin 5. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>1998</b> , 18, 554-61	5.7	170
5	Mechanisms of EGF-induced stimulation of sodium reabsorption by alveolar epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>1998</b> , 275, C82-92	5.4	42
4	Na(+)-K(+)-ATPase expression in alveolar epithelial cells: upregulation of active ion transport by KGF. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1998</b> , 274, L149-58	5.8	47
3	Modulation of $\epsilon$ 1alpha expression with alveolar epithelial cell phenotype in vitro. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1998</b> , 275, L155-64	5.8	68

- 2 Defined medium for primary culture de novo of adult rat alveolar epithelial cells. *In Vitro Cellular and Developmental Biology - Animal*, **1994**, 30A, 99-104 2.6 59
- 1 Development of novel in vitro human alveolar epithelial cell models to study distal lung biology and disease 1