

Robert A Hirst

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,388
citations

147801

31
h-index

182427

51
g-index

54
all docs

54
docs citations

54
times ranked

4484
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher throughput drug screening for rare respiratory diseases: Readthrough therapy in primary ciliary dyskinesia. <i>European Respiratory Journal</i> , 2021, 58, 2000455.	6.7	13
2	Ciliopathy genes are required for apical secretion of Cochlin, an otolith crystallization factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2102562118.	7.1	4
3	The Controversies and Difficulties of Diagnosing Primary Ciliary Dyskinesia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 120-122.	5.6	12
4	Clinical utility of NGS diagnosis and disease stratification in a multiethnic primary ciliary dyskinesia cohort. <i>Journal of Medical Genetics</i> , 2020, 57, 322-330.	3.2	50
5	A Revised Protocol for Culture of Airway Epithelial Cells as a Diagnostic Tool for Primary Ciliary Dyskinesia. <i>Journal of Clinical Medicine</i> , 2020, 9, 3753.	2.4	21
6	International consensus guideline for reporting transmission electron microscopy results in the diagnosis of primary ciliary dyskinesia (BEAT PCD TEM Criteria). <i>European Respiratory Journal</i> , 2020, 55, 1900725.	6.7	77
7	Response. <i>Chest</i> , 2019, 156, 1033-1034.	0.8	3
8	Risk factors for situs defects and congenital heart disease in primary ciliary dyskinesia. <i>Thorax</i> , 2019, 74, 203-205.	5.6	52
9	High prevalence of <i>CCDC103</i> p.His154Pro mutation causing primary ciliary dyskinesia disrupts protein oligomerisation and is associated with normal diagnostic investigations. <i>Thorax</i> , 2018, 73, 157-166.	5.6	63
10	Mutations in Outer Dynein Arm Heavy Chain DNAH9 Cause Motile Cilia Defects and Situs Inversus. <i>American Journal of Human Genetics</i> , 2018, 103, 984-994.	6.2	95
11	Biallelic Mutations in LRRC56, Encoding a Protein Associated with Intraflagellar Transport, Cause Mucociliary Clearance and Laterality Defects. <i>American Journal of Human Genetics</i> , 2018, 103, 727-739.	6.2	49
12	Ciliated conical epithelial cell protrusions point towards a diagnosis of primary ciliary dyskinesia. <i>Respiratory Research</i> , 2018, 19, 125.	3.6	7
13	BMI-1 extends proliferative potential of human bronchial epithelial cells while retaining their mucociliary differentiation capacity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L258-L267.	2.9	40
14	European Respiratory Society guidelines for the diagnosis of primary ciliary dyskinesia. <i>European Respiratory Journal</i> , 2017, 49, 1601090.	6.7	465
15	Exploring the Art of Ciliary Beating. <i>Chest</i> , 2017, 152, 1348-1349.	0.8	7
16	Hypoxia upregulates neutrophil degranulation and potential for tissue injury. <i>Thorax</i> , 2016, 71, 1030-1038.	5.6	90
17	NADPH Oxidase-4 Overexpression Is Associated With Epithelial Ciliary Dysfunction in Neutrophilic Asthma. <i>Chest</i> , 2016, 149, 1445-1459.	0.8	43
18	Culture of Primary Ciliary Dyskinesia Epithelial Cells at Air-Liquid Interface Can Alter Ciliary Phenotype but Remains a Robust and Informative Diagnostic Aid. <i>PLoS ONE</i> , 2014, 9, e89675.	2.5	94

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19	Targeted NGS gene panel identifies mutations in RSPH1 causing primary ciliary dyskinesia and a common mechanism for ciliary central pair agenesis due to radial spoke defects. <i>Human Molecular Genetics</i> , 2014, 23, 3362-3374.	2.9	82
20	MCIDAS mutations result in a mucociliary clearance disorder with reduced generation of multiple motile cilia. <i>Nature Communications</i> , 2014, 5, 4418.	12.8	221
21	Ciliary dyskinesia is an early feature of respiratory syncytial virus infection. <i>European Respiratory Journal</i> , 2014, 43, 485-496.	6.7	81
22	Respiratory Syncytial Virus Increases the Virulence of <i>Streptococcus pneumoniae</i> by Binding to Penicillin Binding Protein 1a. A New Paradigm in Respiratory Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 196-207.	5.6	115
23	In Replay: Ciliated Cultures From Patients With Primary Ciliary Dyskinesia Produce Nitric Oxide in Response to <i>Haemophilus influenzae</i> Infection and Proinflammatory Cytokines. <i>Chest</i> , 2014, 145, 669.	0.8	2
24	RHPS4 G-Quadruplex Ligand Induces Anti-Proliferative Effects in Brain Tumor Cells. <i>PLoS ONE</i> , 2014, 9, e86187.	2.5	21
25	Elevated Anandamide and Related N-Acylethanolamine Levels Occur in the Peripheral Blood of Women With Ectopic Pregnancy and Are Mirrored by Changes in Peripheral Fatty Acid Amide Hydrolase Activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 1226-1234.	3.6	32
26	Ciliated Cultures From Patients With Primary Ciliary Dyskinesia Do Not Produce Nitric Oxide or Inducible Nitric Oxide Synthase During Early Infection. <i>Chest</i> , 2013, 144, 1671-1676.	0.8	15
27	Persistent disruption of ciliated epithelium following paediatric lung transplantation. <i>European Respiratory Journal</i> , 2012, 40, 1245-1252.	6.7	10
28	Ciliary Beat Pattern Analysis Below 37°C May Increase Risk of Primary Ciliary Dyskinesia Misdiagnosis: Response. <i>Chest</i> , 2012, 142, 544-545.	0.8	0
29	<i>Pseudomonas aeruginosa</i> -Catecholamine Inotrope Interactions. <i>Chest</i> , 2012, 142, 1200-1210.	0.8	84
30	ciliaFA: a research tool for automated, high-throughput measurement of ciliary beat frequency using freely available software. <i>Cilia</i> , 2012, 1, 14.	1.8	76
31	Cooling of Cilia Allows Functional Analysis of the Beat Pattern for Diagnostic Testing. <i>Chest</i> , 2011, 140, 186-190.	0.8	41
32	Centriolar satellites are assembly points for proteins implicated in human ciliopathies, including oral-facial-digital syndrome 1. <i>Journal of Cell Science</i> , 2011, 124, 600-612.	2.0	153
33	Ciliated Air-Liquid Cultures as an Aid to Diagnostic Testing of Primary Ciliary Dyskinesia. <i>Chest</i> , 2010, 138, 1441-1447.	0.8	94
34	The Behaviour of Both <i>Listeria monocytogenes</i> and Rat Ciliated Ependymal Cells Is Altered during Their Co-Culture. <i>PLoS ONE</i> , 2010, 5, e10450.	2.5	7
35	Histone Deacetylase Inhibition Attenuates Cell Growth with Associated Telomerase Inhibition in High-Grade Childhood Brain Tumor Cells. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 2568-2581.	4.1	34
36	Ciliary dysfunction and ultrastructural abnormalities are features of severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 722-729.e2.	2.9	156

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37	Hydrogen peroxide at a concentration used during neurosurgery disrupts ciliary function and causes extensive damage to the ciliated ependyma of the brain. <i>Child's Nervous System</i> , 2009, 25, 559-561.	1.1	15
38	Mutations in Radial Spoke Head Protein Genes RSPH9 and RSPH4A Cause Primary Ciliary Dyskinesia with Central-Microtubular-Pair Abnormalities. <i>American Journal of Human Genetics</i> , 2009, 84, 197-209.	6.2	303
39	Role of Toll-Like Receptors 2 and 4 in Pulmonary Inflammation and Injury Induced by Pneumolysin in Mice. <i>PLoS ONE</i> , 2009, 4, e7993.	2.5	39
40	The effect of viscous loading on brain ependymal cilia. <i>Neuroscience Letters</i> , 2008, 439, 56-60.	2.1	14
41	<i>Streptococcus pneumoniae</i> Deficient in Pneumolysin or Autolysin Has Reduced Virulence in Meningitis. <i>Journal of Infectious Diseases</i> , 2008, 197, 744-751.	4.0	97
42	Intracerebroventricular antisense knockdown of $Gl\pm i2$ results in ciliary stasis and ventricular dilatation in the rat. <i>BMC Neuroscience</i> , 2007, 8, 26.	1.9	17
43	<i>Streptococcus pneumoniae</i> -Induced Inhibition of Rat Ependymal Cilia Is Attenuated by Antipneumolysin Antibody. <i>Infection and Immunity</i> , 2004, 72, 6694-6698.	2.2	24
44	The role of pneumolysin in pneumococcal pneumonia and meningitis. <i>Clinical and Experimental Immunology</i> , 2004, 138, 195-201.	2.6	179
45	<i>Streptococcus pneumoniae</i> Damages the Ciliated Ependyma of the Brain during Meningitis. <i>Infection and Immunity</i> , 2003, 71, 6095-6100.	2.2	38
46	Sensitivities of Human Monocytes and Epithelial Cells to Pneumolysin Are Different. <i>Infection and Immunity</i> , 2002, 70, 1017-1022.	2.2	55
47	Relative Roles of Pneumolysin and Hydrogen Peroxide from <i>Streptococcus pneumoniae</i> in Inhibition of Ependymal Ciliary Beat Frequency. <i>Infection and Immunity</i> , 2000, 68, 1557-1562.	2.2	89
48	Effect of Pneumolysin on Rat Brain Ciliary Function: Comparison of Brain Slices with Cultured Ependymal Cells. <i>Pediatric Research</i> , 2000, 47, 381-384.	2.3	33
49	Characterisation of the rat cerebella CB1 receptor using SR141716A, a central cannabinoid receptor antagonist. <i>Neuroscience Letters</i> , 1996, 220, 101-104.	2.1	26
50	Adenylyl cyclase in SH-SY5Y human neuroblastoma cells is regulated by intra- and extracellular calcium. <i>Biochemical Pharmacology</i> , 1995, 49, 1633-1640.	4.4	29