

# Rebecca J Theilmann

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

601  
citations

687363

13  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prone positioning redistributes gravitational stress in the lung in normal conditions and in simulations of oedema. <i>Experimental Physiology</i> , 2022, 107, 771-782.	2.0	8
2	Detection of Chronic Blast-Related Mild Traumatic Brain Injury with Diffusion Tensor Imaging and Support Vector Machines. <i>Diagnostics</i> , 2022, 12, 987.	2.6	6
3	Nitrogen-based lung clearance index: a valid physiological biomarker for the clinic. <i>Journal of Applied Physiology</i> , 2022, , .	2.5	1
4	Abnormal pulmonary perfusion heterogeneity in patients with Fontan circulation and pulmonary arterial hypertension. <i>Journal of Physiology</i> , 2021, 599, 343-356.	2.9	4
5	Ageing-Related Differences in Structural and Functional Interhemispheric Connectivity. <i>Cerebral Cortex</i> , 2021, , .	2.9	0
6	Pathogenesis of obstructive sleep apnea in people living with HIV. <i>Journal of Applied Physiology</i> , 2021, 131, 1671-1678.	2.5	7
7	Quantitative Mapping of Specific Ventilation in the Human Lung using Proton Magnetic Resonance Imaging and Oxygen as a Contrast Agent. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
8	Regional pulmonary perfusion patterns in humans are not significantly altered by inspiratory hypercapnia. <i>Journal of Applied Physiology</i> , 2019, 127, 365-375.	2.5	7
9	Diffusion tractography reveals pervasive asymmetry of cerebral white matter tracts in the bottlenose dolphin ( <i>Tursiops truncatus</i> ). <i>Brain Structure and Function</i> , 2018, 223, 1697-1711.	2.3	20
10	Altered Functional Interactions of Inhibition Regions in Cognitively Normal Parkinsonâ€™s Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 331.	3.4	10
11	The spatial pattern of methacholine bronchoconstriction recurs when supine independently of posture during provocation but does not recur between postures. <i>Journal of Applied Physiology</i> , 2018, 125, 1720-1730.	2.5	5
12	Pain-related white matter tract abnormalities in mild traumatic brain injury patients with persistent headache. <i>Molecular Pain</i> , 2018, 14, 174480691881029.	2.1	22
13	Upper airway dynamic imaging during tidal breathing in awake and asleep subjects with obstructive sleep apnea and healthy controls. <i>Physiological Reports</i> , 2018, 6, e13711.	1.7	20
14	Steeper Slope of Age-Related Changes in White Matter Microstructure and Processing Speed in Bipolar Disorder. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 744-752.	1.2	22
15	Measurement of the distribution of ventilation-perfusion ratios in the human lung with proton MRI: comparison with the multiple inert-gas elimination technique. <i>Journal of Applied Physiology</i> , 2017, 123, 136-146.	2.5	20
16	Susceptibility to high-altitude pulmonary edema is associated with a more uniform distribution of regional specific ventilation. <i>Journal of Applied Physiology</i> , 2017, 122, 844-852.	2.5	7
17	The effect of lung deformation on the spatial distribution of pulmonary blood flow. <i>Journal of Physiology</i> , 2016, 594, 6333-6347.	2.9	5
18	Characterizing Lung Disease in Cystic Fibrosis with Magnetic Resonance Imaging and Airway Physiology. <i>PLoS ONE</i> , 2016, 11, e0157177.	2.5	7

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19	Fusing Functional MRI and Diffusion Tensor Imaging Measures of Brain Function and Structure to Predict Working Memory and Processing Speed Performance among Inter-episode Bipolar Patients. <i>Journal of the International Neuropsychological Society</i> , 2015, 21, 330-341.	1.8	40
20	ISDN2014_0429: Network inefficiencies and brain overgrowth in autism spectrum disorder. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 129-129.	1.6	0
21	Inhaled nitric oxide alters the distribution of blood flow in the healthy human lung, suggesting active hypoxic pulmonary vasoconstriction in normoxia. <i>Journal of Applied Physiology</i> , 2015, 118, 331-343.	2.5	30
22	Voxel-wise resting-state MEG source magnitude imaging study reveals neurocircuitry abnormality in active-duty service members and veterans with PTSD. <i>NeuroImage: Clinical</i> , 2014, 5, 408-419.	2.7	62
23	Single-subject-based whole-brain MEG slow-wave imaging approach for detecting abnormality in patients with mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2014, 5, 109-119.	2.7	85
24	White-Matter Changes Correlate with Cognitive Functioning in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2013, 4, 37.	2.4	53
25	Network efficiency in autism spectrum disorder and its relation to brain overgrowth. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 845.	2.0	40
26	Measuring lung water: Ex vivo validation of multi-image gradient echo MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 220-224.	3.4	31
27	Quantitative MRI measurement of lung density must account for the change in $T_1$ with lung inflation. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 527-534.	3.4	87