

# Brendan T Keenan

## List of Publications by Year in descending order

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104  
papers

4,934  
citations

117625

34  
h-index

106344

65  
g-index

104  
all docs

104  
docs citations

104  
times ranked

7531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alzheimer's disease: early alterations in brain DNA methylation at ANK1, BIN1, RHBDF2 and other loci. <i>Nature Neuroscience</i> , 2014, 17, 1156-1163.	14.8	800
2	CD33 Alzheimer's disease locus: altered monocyte function and amyloid biology. <i>Nature Neuroscience</i> , 2013, 16, 848-850.	14.8	485
3	Symptom Subtypes of Obstructive Sleep Apnea Predict Incidence of Cardiovascular Outcomes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 493-506.	5.6	290
4	Tongue Fat and its Relationship to Obstructive Sleep Apnea. <i>Sleep</i> , 2014, 37, 1639-1648.	1.1	268
5	Recognizable clinical subtypes of obstructive sleep apnea across international sleep centers: a cluster analysis. <i>Sleep</i> , 2018, 41, .	1.1	148
6	Afternoon Napping and Cognition in Chinese Older Adults: Findings from the China Health and Retirement Longitudinal Study Baseline Assessment. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 373-380.	2.6	146
7	Genetic Susceptibility for Alzheimer Disease Neuritic Plaque Pathology. <i>JAMA Neurology</i> , 2013, 70, 1150.	9.0	143
8	Shorter sleep duration is associated with social impairment and comorbidities in ASD. <i>Autism Research</i> , 2017, 10, 1221-1238.	3.8	109
9	Changing Faces of Obstructive Sleep Apnea: Treatment Effects by Cluster Designation in the Icelandic Sleep Apnea Cohort. <i>Sleep</i> , 2018, 41, .	1.1	109
10	Effect of Weight Loss on Upper Airway Anatomy and the Apnea-Hypopnea Index. The Importance of Tongue Fat. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 718-727.	5.6	106
11	Understanding the Anatomic Basis for Obstructive Sleep Apnea Syndrome in Adolescents. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 1295-1309.	5.6	92
12	A coding variant in CR1 interacts with APOE-ε4 to influence cognitive decline. <i>Human Molecular Genetics</i> , 2012, 21, 2377-2388.	2.9	90
13	Cumulative association of 22 genetic variants with seropositive rheumatoid arthritis risk. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, 1077-1085.	0.9	87
14	Functional Screening of Alzheimer Pathology Genome-wide Association Signals in <i>Drosophila</i> . <i>American Journal of Human Genetics</i> , 2011, 88, 232-238.	6.2	81
15	Expression of CD44 variant isoforms CD44v3 and CD44v6 is increased on T cells from patients with systemic lupus erythematosus and is correlated with disease activity. <i>Arthritis and Rheumatism</i> , 2010, 62, 1431-1437.	6.7	76
16	Diagnosis and Treatment of Sleep Disordered Breathing in Hospitalized Cardiac Patients: A Reduction in 30-Day Hospital Readmission Rates. <i>Journal of Clinical Sleep Medicine</i> , 2014, 10, 1051-1059.	2.6	73
17	Randomized clinical trials of cardiovascular disease in obstructive sleep apnea: understanding and overcoming bias. <i>Sleep</i> , 2021, 44, .	1.1	73
18	Alzheimer Disease Susceptibility Loci: Evidence for a Protein Network under Natural Selection. <i>American Journal of Human Genetics</i> , 2012, 90, 720-726.	6.2	71

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19	Symptom-Based Subgroups of Koreans With Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2018, 14, 437-443.	2.6	69
20	Quality of life among untreated sleep apnea patients compared with the general population and changes after treatment with positive airway pressure. <i>Journal of Sleep Research</i> , 2015, 24, 328-338.	3.2	64
21	Alcohol consumption and markers of inflammation in women with preclinical rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 3554-3559.	6.7	61
22	An RNA Profile Identifies Two Subsets of Multiple Sclerosis Patients Differing in Disease Activity. <i>Science Translational Medicine</i> , 2012, 4, 153ra131.	12.4	56
23	Validation of the Nox-T3 Portable Monitor for Diagnosis of Obstructive Sleep Apnea in Chinese Adults. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 675-683.	2.6	50
24	The Prevalence of Depression among Untreated Obstructive Sleep Apnea Patients Using a Standardized Psychiatric Interview. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 105-112.	2.6	49
25	A Global Comparison of Anatomic Risk Factors and Their Relationship to Obstructive Sleep Apnea Severity in Clinical Samples. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 629-639.	2.6	49
26	Heritability of Craniofacial Structures in Normal Subjects and Patients with Sleep Apnea. <i>Sleep</i> , 2014, 37, 1689-1698.	1.1	48
27	Differences in three-dimensional upper airway anatomy between Asian and European patients with obstructive sleep apnea. <i>Sleep</i> , 2020, 43, .	1.1	48
28	Pleiotropic genetic effects influencing sleep and neurological disorders. <i>Lancet Neurology</i> , The, 2017, 16, 158-170.	10.2	46
29	Effect of interactions of glutathione S-transferase T1, M1, and P1 and HMOX1 gene promoter polymorphisms with heavy smoking on the risk of rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 3196-3210.	6.7	45
30	Changes in Sleep Characteristics and Breathing Parameters During Sleep in Early and Late Pregnancy. <i>Journal of Clinical Sleep Medicine</i> , 2018, 14, 1161-1168.	2.6	43
31	Genetic Risk Score Predicting Risk of Rheumatoid Arthritis Phenotypes and Age of Symptom Onset. <i>PLoS ONE</i> , 2011, 6, e24380.	2.5	43
32	Association of Environmental and Genetic Factors and Gene-Environment Interactions With Risk of Developing Rheumatoid Arthritis. <i>Arthritis Care and Research</i> , 2013, 65, 1147-1156.	3.4	41
33	Arousal Responses during Overnight Polysomnography and their Reproducibility in Healthy Young Adults. <i>Sleep</i> , 2015, 38, 1313-1321.	1.1	38
34	Validation of the Nox-T3 Portable Monitor for Diagnosis of Obstructive Sleep Apnea in Patients With Chronic Obstructive Pulmonary Disease. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 587-596.	2.6	37
35	Volumetric MRI analysis pre- and post-transoral robotic surgery for obstructive sleep apnea. <i>Laryngoscope</i> , 2015, 125, 1988-1995.	2.0	36
36	The Association Between Obstructive Sleep Apnea and Hypertension by Race/Ethnicity in a Nationally Representative Sample. <i>Journal of Clinical Hypertension</i> , 2013, 15, 593-599.	2.0	35

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37	Heart rate variability during wakefulness as a marker of obstructive sleep apnea severity. <i>Sleep</i> , 2021, 44, .	1.1	34
38	Simulating obstructive sleep apnea patients' oxygenation characteristics into a mouse model of cyclical intermittent hypoxia. <i>Journal of Applied Physiology</i> , 2015, 118, 544-557.	2.5	33
39	Digital Morphometrics. <i>Chest</i> , 2017, 152, 330-342.	0.8	33
40	Obstructive sleep apnoea treatment and fasting lipids: a comparative effectiveness study. <i>European Respiratory Journal</i> , 2014, 44, 405-414.	6.7	31
41	Osteoporosis and Cardiovascular Disease Care in Systemic Lupus Erythematosus According to New Quality Indicators. <i>Seminars in Arthritis and Rheumatism</i> , 2010, 40, 193-200.	3.4	29
42	Metabolic Activity of the Tongue in Obstructive Sleep Apnea. A Novel Application of FDG Positron Emission Tomography Imaging. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 1416-1425.	5.6	29
43	Genetics of Sleep Disorders. <i>Psychiatric Clinics of North America</i> , 2015, 38, 667-681.	1.3	29
44	Dynamic Upper Airway Imaging during Wakefulness in Obese Subjects with and without Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1435-1443.	5.6	28
45	Cerebral metabolic rate of oxygen in obstructive sleep apnea at rest and in response to breath-hold challenge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 755-767.	4.3	26
46	Glutamate Is a Wake-Active Neurotransmitter in <i>Drosophila melanogaster</i> . <i>Sleep</i> , 2017, 40, .	1.1	25
47	A 17q12 Allele Is Associated with Altered NK Cell Subsets and Function. <i>Journal of Immunology</i> , 2012, 188, 3315-3322.	0.8	24
48	TOMM40 in Cerebral Amyloid Angiopathy Related Intracerebral Hemorrhage: Comparative Genetic Analysis with Alzheimer's Disease. <i>Translational Stroke Research</i> , 2012, 3, 102-112.	4.2	23
49	Evaluation of Therapeutic Positive Airway Pressure as a Hypoglossal Nerve Stimulation Predictor in Patients With Obstructive Sleep Apnea. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2020, 146, 691.	2.2	22
50	Continuous positive airway pressure and adverse cardiovascular events in obstructive sleep apnea: are participants of randomized trials representative of sleep clinic patients?. <i>Sleep</i> , 2022, 45, .	1.1	22
51	Heritability of Heart Rate Response to Arousals in Twins. <i>Sleep</i> , 2017, 40, .	1.1	21
52	High-throughput sleep phenotyping produces robust and heritable traits in Diversity Outbred mice and their founder strains. <i>Sleep</i> , 2020, 43, .	1.1	21
53	Multisite validation of a simple electronic health record algorithm for identifying diagnosed obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 175-183.	2.6	21
54	The obstructive sleep apnoea syndrome in adolescents. <i>Thorax</i> , 2017, 72, 720-728.	5.6	19

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55	Age attenuates the transcriptional changes that occur with sleep in the medial prefrontal cortex. <i>Aging Cell</i> , 2019, 18, e13021.	6.7	18
56	Characterization of genetic and phenotypic heterogeneity of obstructive sleep apnea using electronic health records. <i>BMC Medical Genomics</i> , 2020, 13, 105.	1.5	18
57	Different cyclical intermittent hypoxia severities have different effects on hippocampal microvasculature. <i>Journal of Applied Physiology</i> , 2016, 121, 78-88.	2.5	17
58	Lower plasma choline levels are associated with sleepiness symptoms. <i>Sleep Medicine</i> , 2018, 44, 89-96.	1.6	16
59	Symptom subtypes and risk of incident cardiovascular and cerebrovascular disease in a clinic-based obstructive sleep apnea cohort. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 2093-2102.	2.6	16
60	Effects of obesity on the association between long-term sleep apnea treatment and changes in interleukin-6 levels: the Celandic Sleep Apnea Cohort. <i>Journal of Sleep Research</i> , 2015, 24, 148-159.	3.2	14
61	Symptomless Multi-Variable Apnea Prediction Index Assesses Obstructive Sleep Apnea Risk and Adverse Outcomes in Elective Surgery. <i>Sleep</i> , 2017, 40, .	1.1	14
62	Defining Extreme Phenotypes of OSA Across International Sleep Centers. <i>Chest</i> , 2020, 158, 1187-1197.	0.8	14
63	Reduction of the molecular chaperone binding immunoglobulin protein (BiP) accentuates the effect of aging on sleep-wake behavior. <i>Neurobiology of Aging</i> , 2018, 69, 10-25.	3.1	13
64	Home sleep apnea testing of adults with chronic heart failure. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 1453-1463.	2.6	13
65	Inspection Frequency, Sociodemographic Factors, and Food Safety Violations in Chain and Nonchain Restaurants, Philadelphia, Pennsylvania, 2013-2014. <i>Public Health Reports</i> , 2017, 132, 180-187.	2.5	12
66	Effect of cyclical intermittent hypoxia on Ad5CMVCre induced solitary lung cancer progression and spontaneous metastases in the KrasG12D+; p53fl/fl; myristolated p110fl/fl ROSA-gfp mouse. <i>PLoS ONE</i> , 2019, 14, e0212930.	2.5	12
67	Acute Sleep Loss Upregulates the Synaptic Scaffolding Protein, Homer1a, in Non-canonical Sleep/Wake Brain Regions, Claustrum, Piriform and Cingulate Cortices. <i>Frontiers in Neuroscience</i> , 2020, 14, 188.	2.8	11
68	Effect of Obstructive Sleep Apnea and Positive Airway Pressure Therapy on Cardiac Remodeling as Assessed by Cardiac Biomarker and Magnetic Resonance Imaging in Nonobese and Obese Adults. <i>Hypertension</i> , 2021, 77, 980-992.	2.7	11
69	Diagnostic Performance of Machine Learning-Derived OSA Prediction Tools in Large Clinical and Community-Based Samples. <i>Chest</i> , 2022, 161, 807-817.	0.8	11
70	Screening for Obstructive Sleep Apnea in Commercial Drivers Using EKG-Derived Respiratory Power Index. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 23-32.	2.6	9
71	Is the Epworth Sleepiness Scale Sufficient to Identify the Excessively Sleepy Subtype of OSA?. <i>Chest</i> , 2022, 161, 557-561.	0.8	9
72	An Examination of Methodological Paradigms for Calculating Upper Airway Critical Pressures during Sleep. <i>Sleep</i> , 2016, 39, 977-987.	1.1	8

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73	Sleep apnea in total joint arthroplasty patients and the role for cardiac biomarkers for risk stratification: an exploration of feasibility. <i>Biomarkers in Medicine</i> , 2016, 10, 265-300.	1.4	8
74	Symptom subtypes and cognitive function in a clinic-based OSA cohort: a multi-centre Canadian study. <i>Sleep Medicine</i> , 2020, 74, 92-98.	1.6	8
75	Neck fat and obstructive sleep apnea in obese adolescents. <i>Sleep</i> , 2021, 44, .	1.1	8
76	Mask Refills as a Measure of PAP Adherence. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1337-1344.	2.6	8
77	Candidate gene analysis in the São Paulo Epidemiologic Sleep Study (EPISONO) shows an association of variant in PDE4D and sleepiness. <i>Sleep Medicine</i> , 2018, 47, 106-112.	1.6	7
78	Blood pressure response to treatment of obese vs non-obese adults with sleep apnea. <i>Journal of Clinical Hypertension</i> , 2019, 21, 1580-1590.	2.0	7
79	CPAP Treatment and Cardiovascular Prevention. <i>Chest</i> , 2020, 157, 1046-1047.	0.8	7
80	Simple and Unbiased OSA Prescreening: Introduction of a New Morphologic OSA Prediction Score. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 2039-2049.	2.7	7
81	Clinical Radiographic Predictors of Response to Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea. <i>Otolaryngology - Head and Neck Surgery</i> , 2021, 164, 1122-1127.	1.9	6
82	Using the Remote Monitoring Framework to Promote Adherence to Continuous Positive Airway Pressure. <i>Sleep Medicine Clinics</i> , 2021, 16, 85-99.	2.6	6
83	Serum ferritin and obstructive sleep apnea—epidemiological study. <i>Sleep and Breathing</i> , 2018, 22, 663-672.	1.7	5
84	Automated Protein Localization of Blood Brain Barrier Vasculature in Brightfield IHC Images. <i>PLoS ONE</i> , 2016, 11, e0148411.	2.5	5
85	The dihydropyrimidine dehydrogenase gene contributes to heritable differences in sleep in mice. <i>Current Biology</i> , 2021, 31, 5238-5248.e7.	3.9	5
86	A comparison of ultrasound echo intensity to magnetic resonance imaging as a metric for tongue fat evaluation. <i>Sleep</i> , 2022, 45, .	1.1	5
87	Different components of excessive daytime sleepiness and the change with positive airway pressure treatment in patients with obstructive sleep apnea: Results from the Icelandic Sleep Apnea Cohort (ISAC). <i>Journal of Sleep Research</i> , 2022, 31, e13528.	3.2	5
88	To RCT or not to RCT? Depends on the question. A response to McEvoy et al.. <i>Sleep</i> , 2021, 44, .	1.1	4
89	Symptom Subtypes in OSA. <i>Chest</i> , 2021, 160, 2003-2004.	0.8	4
90	Changes in sleepiness and 24-h blood pressure following 4 months of CPAP treatment are not mediated by ICAM-1. <i>Sleep and Breathing</i> , 2021, 25, 1495-1502.	1.7	3

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91	Dietary challenges differentially affect activity and sleep/wake behavior in mus musculus: Isolating independent associations with diet/energy balance and body weight. PLoS ONE, 2018, 13, e0196743.	2.5	2
92	RNA-seq analysis of galaninergic neurons from ventrolateral preoptic nucleus identifies expression changes between sleep and wake. BMC Genomics, 2020, 21, 633.	2.8	2
93	Heritability of fat distributions in male mice from the founder strains of the Diversity Outbred mouse population. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2
94	Racial Differences in Functional and Sleep Outcomes with Positive Airway Pressure Treatment. Diagnostics, 2021, 11, 2176.	2.6	2
95	Obstructive Sleep Apnea Symptom Subtypes and Cardiovascular Risk: Conflicting Evidence to an Important Question. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 729-730.	5.6	2
96	Socioeconomic status impacts blood pressure response to positive airway pressure treatment. Journal of Clinical Sleep Medicine, 2022, 18, 1287-1295.	2.6	2
97	Upper and Lower Airway Dysanapsis and Airflow Obstruction among Older Adults. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 913-917.	5.6	2
98	Physical Activity Following Positive Airway Pressure Treatment in Adults With and Without Obesity and With Moderate-Severe Obstructive Sleep Apnea. Journal of Clinical Sleep Medicine, 2018, 14, 1705-1715.	2.6	1
99	RACE AND DAYTIME SLEEPINESS AS MODERATORS OF CPAP EFFECT ON BLOOD PRESSURE. Chest, 2020, 158, A2484.	0.8	0
100	Reply to Kawada: Weight Loss and Upper Airway Anatomy in Patients with Obstructive Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 270-271.	5.6	0
101	447 Cost-Effectiveness of a 3-Year Tele-O SA Intervention. Sleep, 2021, 44, A177-A177.	1.1	0
102	455 Obesity modifies the effect of 4 months of CPAP on glucose levels in adults with obstructive sleep apnea. Sleep, 2021, 44, A180-A180.	1.1	0
103	Motivated displacement assay distinguishes ALA neuron mutants from RIS neuron mutants during recovery from heat stress in. MicroPublication Biology, 2021, 2021, .	0.1	0
104	0744 A Comparison of Visual and Physiologic Assessments of Upper Airway Collapse during Drug-Induced Sleep Endoscopy (DISE). Sleep, 2022, 45, A324-A325.	1.1	0