

Ronald M Harper

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

10,762
citations

28274

55
h-index

38395

95
g-index

188
all docs

188
docs citations

188
times ranked

8356
citing authors

#	ARTICLE	IF	CITATIONS
1	Dorsal raphe neurons: depression of firing during sleep in cats. <i>Brain Research</i> , 1976, 101, 569-575.	2.2	1,008
2	Brain Morphology Associated with Obstructive Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 1382-1387.	5.6	506
3	A method for removal of global effects from fMRI time series. <i>NeuroImage</i> , 2004, 22, 360-366.	4.2	377
4	Patterns of beat-to-beat heart rate variability in advanced heart failure. <i>American Heart Journal</i> , 1992, 123, 704-710.	2.7	359
5	Cerebral Vasomotion: A 0.1-Hz Oscillation in Reflected Light Imaging of Neural Activity. <i>NeuroImage</i> , 1996, 4, 183-193.	4.2	309
6	Brain structural changes in obstructive sleep apnea. <i>Sleep</i> , 2008, 31, 967-77.	1.1	267
7	RMSSD, a measure of vagus-mediated heart rate variability, is associated with risk factors for SUDEP: The SUDEP-7 Inventory. <i>Epilepsy and Behavior</i> , 2010, 19, 78-81.	1.7	222
8	Clinical neurocardiology defining the value of neuroscience-based cardiovascular therapeutics. <i>Journal of Physiology</i> , 2016, 594, 3911-3954.	2.9	222
9	Regional brain gray matter loss in heart failure. <i>Journal of Applied Physiology</i> , 2003, 95, 677-684.	2.5	196
10	Heart Rate Variability in Children With Obstructive Sleep Apnea. <i>Sleep</i> , 1997, 20, 151-157.	1.1	162
11	Brain Injury in Autonomic, Emotional, and Cognitive Regulatory Areas in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2009, 15, 214-223.	1.7	148
12	Lateralized and widespread brain activation during transient blood pressure elevation revealed by magnetic resonance imaging. , 2000, 417, 195-204.		141
13	Relationship between Obstructive Sleep Apnea Severity and Sleep, Depression and Anxiety Symptoms in Newly-Diagnosed Patients. <i>PLoS ONE</i> , 2010, 5, e10211.	2.5	137
14	Heart Rate Variability in Congenital Central Hypoventilation Syndrome. <i>Pediatric Research</i> , 1992, 31, 291-296.	2.3	135
15	Postconvulsive central apnea as a biomarker for sudden unexpected death in epilepsy (SUDEP). <i>Neurology</i> , 2019, 92, e171-e182.	1.1	130
16	fMRI responses to cold pressor challenges in control and obstructive sleep apnea subjects. <i>Journal of Applied Physiology</i> , 2003, 94, 1583-1595.	2.5	128
17	Altered global and regional brain mean diffusivity in patients with obstructive sleep apnea. <i>Journal of Neuroscience Research</i> , 2012, 90, 2043-2052.	2.9	120
18	Sleep influences on homeostatic functions: implications for sudden infant death syndrome. <i>Respiration Physiology</i> , 2000, 119, 123-132.	2.7	113

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19	The incidence and significance of periictal apnea in epileptic seizures. <i>Epilepsia</i> , 2018, 59, 573-582.	5.1	113
20	Light Scattering Changes Follow Evoked Potentials From Hippocampal Schaeffer Collateral Stimulation. <i>Journal of Neurophysiology</i> , 1997, 78, 1707-1713.	1.8	112
21	Spectral Analysis Assessment of Respiratory Sinus Arrhythmia in Normal Infants and Infants Who Subsequently Died of Sudden Infant Death Syndrome. <i>Pediatric Research</i> , 1988, 24, 677-682.	2.3	107
22	Neural responses during Valsalva maneuvers in obstructive sleep apnea syndrome. <i>Journal of Applied Physiology</i> , 2003, 94, 1063-1074.	2.5	104
23	Brain Responses Associated With the Valsalva Maneuver Revealed by Functional Magnetic Resonance Imaging. <i>Journal of Neurophysiology</i> , 2002, 88, 3477-3486.	1.8	102
24	Sudden Infant Death Syndrome: A Failure of Compensatory Cerebellar Mechanisms?. <i>Pediatric Research</i> , 2000, 48, 140-142.	2.3	98
25	Intermittent hypoxia damages cerebellar cortex and deep nuclei. <i>Neuroscience Letters</i> , 2005, 375, 123-128.	2.1	96
26	REGIONAL BRAIN ACTIVATION IN HUMANS DURING RESPIRATORY AND BLOOD PRESSURE CHALLENGES. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1998, 25, 483-486.	1.9	95
27	Structural imaging biomarkers of sudden unexpected death in epilepsy. <i>Brain</i> , 2015, 138, 2907-2919.	7.6	95
28	Brain axonal and myelin evaluation in heart failure. <i>Journal of the Neurological Sciences</i> , 2011, 307, 106-113.	0.6	93
29	Functional magnetic resonance signal changes in neural structures to baroreceptor reflex activation. <i>Journal of Applied Physiology</i> , 2004, 96, 693-703.	2.5	89
30	Diffusion Tensor Imaging Demonstrates Brainstem and Cerebellar Abnormalities in Congenital Central Hypoventilation Syndrome. <i>Pediatric Research</i> , 2008, 64, 275-280.	2.3	87
31	Cryogenic blockade of the central nucleus of the amygdala attenuates aversively conditioned blood pressure and respiratory responses. <i>Brain Research</i> , 1986, 386, 136-145.	2.2	85
32	Heart rate variation in normal infants and victims of the sudden infant death syndrome. <i>Early Human Development</i> , 1989, 19, 167-181.	1.8	85
33	Mammillary bodies and fornix fibers are injured in heart failure. <i>Neurobiology of Disease</i> , 2009, 33, 236-242.	4.4	85
34	Machine classification of infant sleep state using cardiorespiratory measures. <i>Electroencephalography and Clinical Neurophysiology</i> , 1987, 67, 379-387.	0.3	84
35	Finding the failure mechanism in Sudden Infant Death Syndrome. <i>Nature Medicine</i> , 1998, 4, 157-158.	30.7	84
36	Neuroanatomic deficits in congenital central hypoventilation syndrome. <i>Journal of Comparative Neurology</i> , 2005, 487, 361-371.	1.6	83

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37	Inspiratory loading elicits aberrant fMRI signal changes in obstructive sleep apnea. <i>Respiratory Physiology and Neurobiology</i> , 2006, 151, 44-60.	1.6	83
38	Regional brain axial and radial diffusivity changes during development. <i>Journal of Neuroscience Research</i> , 2012, 90, 346-355.	2.9	83
39	Cardiac and respiratory correlations with unit discharge in human amygdala and hippocampus. <i>Electroencephalography and Clinical Neurophysiology</i> , 1989, 72, 463-470.	0.3	82
40	Reduced mammillary body volume in patients with obstructive sleep apnea. <i>Neuroscience Letters</i> , 2008, 438, 330-334.	2.1	81
41	Differential responses of the insular cortex gyri to autonomic challenges. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2012, 168, 72-81.	2.8	76
42	Reduced regional cerebral blood flow in patients with heart failure. <i>European Journal of Heart Failure</i> , 2017, 19, 1294-1302.	7.1	75
43	Neural alterations and depressive symptoms in obstructive sleep apnea patients. <i>Sleep</i> , 2008, 31, 1103-9.	1.1	75
44	Abnormal Myelin and Axonal Integrity in Recently Diagnosed Patients with Obstructive Sleep Apnea. <i>Sleep</i> , 2014, 37, 723-732.	1.1	74
45	Scattered-Light Imaging in Vivo Tracks Fast and Slow Processes of Neurophysiological Activation. <i>NeuroImage</i> , 2001, 14, 977-994.	4.2	73
46	Cardiac and Respiratory Correlations with Unit Discharge in Epileptic Human Temporal Lobe. <i>Epilepsia</i> , 1990, 31, 162-171.	5.1	70
47	Sex Differences in White Matter Alterations Accompanying Obstructive Sleep Apnea. <i>Sleep</i> , 2012, 35, 1603-1613.	1.1	70
48	Ripples on spikes show increased phase-amplitude coupling in mesial temporal lobe epilepsy seizure-onset zones. <i>Epilepsia</i> , 2016, 57, 1916-1930.	5.1	69
49	Dysfunctional Brain Networking among Autonomic Regulatory Structures in Temporal Lobe Epilepsy Patients at High Risk of Sudden Unexpected Death in Epilepsy. <i>Frontiers in Neurology</i> , 2017, 8, 544.	2.4	69
50	Development of Heart Rate Variation Over the First 6 Months of Life in Normal Infants. <i>Pediatric Research</i> , 1989, 26, 343-346.	2.3	68
51	Functional Imaging of Autonomic Regulation: Methods and Key Findings. <i>Frontiers in Neuroscience</i> , 2015, 9, 513.	2.8	65
52	Functional Abnormalities in Brain Areas That Mediate Autonomic Nervous System Control in Advanced Heart Failure. <i>Journal of Cardiac Failure</i> , 2005, 11, 437-446.	1.7	64
53	Neural alterations associated with anxiety symptoms in obstructive sleep apnea syndrome. <i>Depression and Anxiety</i> , 2009, 26, 480-491.	4.1	63
54	Regional hippocampal damage in heart failure. <i>European Journal of Heart Failure</i> , 2015, 17, 494-500.	7.1	63

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55	Incidence, Recurrence, and Risk Factors for Peri-ictal Central Apnea and Sudden Unexpected Death in Epilepsy. <i>Frontiers in Neurology</i> , 2019, 10, 166.	2.4	63
56	Brain axial and radial diffusivity changes with age and gender in healthy adults. <i>Brain Research</i> , 2013, 1512, 22-36.	2.2	62
57	Respiratory modulation of neuronal discharge in the central nucleus of the amygdala during sleep and waking states. <i>Experimental Neurology</i> , 1986, 91, 193-207.	4.1	61
58	Disrupted functional brain network organization in patients with obstructive sleep apnea. <i>Brain and Behavior</i> , 2016, 6, e00441.	2.2	58
59	Obstructive sleep apnea and cortical thickness in females and males. <i>PLoS ONE</i> , 2018, 13, e0193854.	2.5	58
60	Geniohyoid muscle properties and myosin heavy chain composition are altered after short-term intermittent hypoxic exposure. <i>Journal of Applied Physiology</i> , 2005, 98, 889-894.	2.5	54
61	Sleep-disordered breathing: Effects on brain structure and function. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 383-391.	1.6	54
62	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. <i>Epilepsia</i> , 2019, 60, 718-729.	5.1	54
63	Dynamic Characteristics of Cardiac R-R Intervals during Sleep and Waking States. <i>Sleep</i> , 1991, 14, 526-533.	1.1	53
64	MR imaging signal response to sustained stimulation in human visual cortex. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 537-543.	3.4	53
65	Brain putamen volume changes in newly-diagnosed patients with obstructive sleep apnea. <i>NeuroImage: Clinical</i> , 2014, 4, 383-391.	2.7	52
66	Rostral brain axonal injury in congenital central hypoventilation syndrome. <i>Journal of Neuroscience Research</i> , 2010, 88, 2146-2154.	2.9	51
67	Regional cerebral blood flow alterations in obstructive sleep apnea. <i>Neuroscience Letters</i> , 2013, 555, 159-164.	2.1	51
68	Heart Rate Responses to Autonomic Challenges in Obstructive Sleep Apnea. <i>PLoS ONE</i> , 2013, 8, e76631.	2.5	51
69	Water Exchange across the Blood-Brain Barrier in Obstructive Sleep Apnea: An MRI Diffusion-Weighted Pseudo-Continuous Arterial Spin Labeling Study. <i>Journal of Neuroimaging</i> , 2015, 25, 900-905.	2.0	51
70	Sex-specific hippocampus volume changes in obstructive sleep apnea. <i>NeuroImage: Clinical</i> , 2018, 20, 305-317.	2.7	49
71	Visualization of sleep influences on cerebellar and brainstem cardiac and respiratory control mechanisms. <i>Brain Research Bulletin</i> , 2000, 53, 125-131.	3.0	47
72	Age-related regional brain T2-relaxation changes in healthy adults. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 300-308.	3.4	47

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73	Aberrant Insular Functional Network Integrity in Patients with Obstructive Sleep Apnea. <i>Sleep</i> , 2016, 39, 989-1000.	1.1	47
74	Altered resting-state hippocampal and caudate functional networks in patients with obstructive sleep apnea. <i>Brain and Behavior</i> , 2018, 8, e00994.	2.2	47
75	Hyperoxic Brain Effects Are Normalized by Addition of CO ₂ . <i>PLoS Medicine</i> , 2007, 4, e173.	8.4	46
76	Limbic and paralimbic structures driving ictal central apnea. <i>Neurology</i> , 2019, 92, e655-e669.	1.1	46
77	fMRI Responses to Hyperoxia in Congenital Central Hypoventilation Syndrome. <i>Pediatric Research</i> , 2005, 57, 510-518.	2.3	43
78	Neuroimaging of Sudden Unexpected Death in Epilepsy (SUDEP): Insights From Structural and Resting-State Functional MRI Studies. <i>Frontiers in Neurology</i> , 2019, 10, 185.	2.4	43
79	Respiratory inhibition induced by transient hypertension during sleep in unrestrained cats. <i>Experimental Neurology</i> , 1985, 90, 173-186.	4.1	42
80	Reduced Regional Brain Cortical Thickness in Patients with Heart Failure. <i>PLoS ONE</i> , 2015, 10, e0126595.	2.5	42
81	Decreased Neuronal Burst Discharge Near Site of Seizure Onset in Epileptic Human Temporal Lobes. <i>Epilepsia</i> , 1996, 37, 113-121.	5.1	40
82	Temporal Trends of Cardiac and Respiratory Responses to Ventilatory Challenges in Congenital Central Hypoventilation Syndrome. <i>Pediatric Research</i> , 2004, 55, 953-959.	2.3	40
83	Elevated mean diffusivity in widespread brain regions in congenital central hypoventilation syndrome. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1252-1258.	3.4	40
84	Regional cortical thickness changes accompanying generalized tonic-clonic seizures. <i>NeuroImage: Clinical</i> , 2018, 20, 205-215.	2.7	39
85	Aberrant Neural Responses to Cold Pressor Challenges in Congenital Central Hypoventilation Syndrome. <i>Pediatric Research</i> , 2005, 57, 500-509.	2.3	38
86	Visual Assessment of Brain Magnetic Resonance Imaging Detects Injury to Cognitive Regulatory Sites in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2013, 19, 94-100.	1.7	38
87	Insular Cortex Metabolite Changes in Obstructive Sleep Apnea. <i>Sleep</i> , 2014, 37, 951-958.	1.1	38
88	Global and regional brain mean diffusivity changes in patients with heart failure. <i>Journal of Neuroscience Research</i> , 2015, 93, 678-685.	2.9	38
89	Aberrant Central Nervous System Responses to the Valsalva Maneuver in Heart Failure. <i>Congestive Heart Failure</i> , 2007, 13, 29-35.	2.0	36
90	Potential Mechanisms of Failure in the Sudden Infant Death Syndrome. <i>Current Pediatric Reviews</i> , 2010, 6, 39-47.	0.8	36

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91	Affective Brain Areas and Sleep-Disordered Breathing. <i>Progress in Brain Research</i> , 2014, 209, 275-293.	1.4	36
92	Obstructive sleep apnea is associated with low <scp>GABA</scp> and high glutamate in the insular cortex. <i>Journal of Sleep Research</i> , 2016, 25, 390-394.	3.2	36
93	Global and regional putamen volume loss in patients with heart failure. <i>European Journal of Heart Failure</i> , 2011, 13, 651-655.	7.1	35
94	Functional Neuroanatomy and Sleep-Disordered Breathing: Implications for Autonomic Regulation. <i>Anatomical Record</i> , 2012, 295, 1385-1395.	1.4	35
95	Development of T2-relaxation values in regional brain sites during adolescence. <i>Magnetic Resonance Imaging</i> , 2011, 29, 185-193.	1.8	32
96	Impaired neural structure and function contributing to autonomic symptoms in congenital central hypoventilation syndrome. <i>Frontiers in Neuroscience</i> , 2015, 9, 415.	2.8	32
97	Novel insights into congenital hypoventilation syndrome. <i>Current Opinion in Pulmonary Medicine</i> , 1999, 5, 335.	2.6	31
98	A miniature CCD video camera for high-sensitivity light measurements in freely behaving animals. <i>Journal of Neuroscience Methods</i> , 1997, 78, 85-91.	2.5	29
99	Neural Alterations and Depressive Symptoms in Obstructive Sleep Apnea Patients. <i>Sleep</i> , 2008, , .	1.1	29
100	Mammillary Body and Fornix Injury in Congenital Central Hypoventilation Syndrome. <i>Pediatric Research</i> , 2009, 66, 429-434.	2.3	29
101	Hippocampal Volume Reduction in Congenital Central Hypoventilation Syndrome. <i>PLoS ONE</i> , 2009, 4, e6436.	2.5	29
102	Differential inhibition of the diaphragm and posterior cricoarytenoid muscles induced by transient hypertension across sleep states in intact cats. <i>Experimental Neurology</i> , 1987, 95, 730-742.	4.1	28
103	Global Brain Blood-Oxygen Level Responses to Autonomic Challenges in Obstructive Sleep Apnea. <i>PLoS ONE</i> , 2014, 9, e105261.	2.5	28
104	Obstructive sleep apnea is associated with altered midbrain chemical concentrations. <i>Neuroscience</i> , 2017, 363, 76-86.	2.3	28
105	Postictal serotonin levels are associated with peri-ictal apnea. <i>Neurology</i> , 2019, 93, e1485-e1494.	1.1	28
106	Neuromodulation of Limb Proprioceptive Afferents Decreases Apnea of Prematurity and Accompanying Intermittent Hypoxia and Bradycardia. <i>PLoS ONE</i> , 2016, 11, e0157349.	2.5	28
107	Imaging the dorsal hippocampus: light reflectance relationships to electroencephalographic patterns during sleep. <i>Brain Research</i> , 1995, 696, 151-160.	2.2	27
108	Impaired Cerebellar and Limbic Responses to the Valsalva Maneuver in Heart Failure. <i>Cerebellum</i> , 2012, 11, 931-938.	2.5	27

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109	A miniaturized cryoprobe for functional neuronal blockade in freely moving animals. <i>Journal of Neuroscience Methods</i> , 1986, 16, 79-87.	2.5	26
110	Global BOLD MRI changes to ventilatory challenges in congenital central hypoventilation syndrome. <i>Respiratory Physiology and Neurobiology</i> , 2003, 139, 41-50.	1.6	26
111	Progressive gray matter changes in patients with congenital central hypoventilation syndrome. <i>Pediatric Research</i> , 2012, 71, 701-706.	2.3	26
112	Cognitive Test Performance and Brain Pathology. <i>Nursing Research</i> , 2008, 57, 75-83.	1.7	25
113	Associations between brain white matter integrity and disease severity in obstructive sleep apnea. <i>Journal of Neuroscience Research</i> , 2016, 94, 915-923.	2.9	25
114	Regional brain tissue changes and associations with disease severity in children with sleep-disordered breathing. <i>Sleep</i> , 2018, 41, .	1.1	25
115	Periictal hypoxia is related to extent of regional brain volume loss accompanying generalized tonic-clonic seizures. <i>Epilepsia</i> , 2020, 61, 1570-1580.	5.1	25
116	Central Nervous System Changes in Pediatric Heart Failure: A Volumetric Study. <i>Pediatric Cardiology</i> , 2010, 31, 969-976.	1.3	24
117	The association of serotonin reuptake inhibitors and benzodiazepines with ictal central apnea. <i>Epilepsy and Behavior</i> , 2019, 98, 73-79.	1.7	23
118	Correlations Between Cardiorespiratory Measures in Normal Infants and Victims of Sudden Infant Death Syndrome. <i>Sleep</i> , 1990, 13, 304-317.	1.1	22
119	The cerebral regulation of cardiovascular and respiratory functions. <i>Seminars in Pediatric Neurology</i> , 1996, 3, 13-22.	2.0	21
120	Global and Regional Brain Non-Gaussian Diffusion Changes in Newly Diagnosed Patients with Obstructive Sleep Apnea. <i>Sleep</i> , 2016, 39, 51-57.	1.1	21
121	State-dependent respiratory depression elicited by stimulation of the orbital frontal cortex. <i>Experimental Neurology</i> , 1987, 95, 714-729.	4.1	20
122	Sex Differences in Insular Cortex Gyri Responses to the Valsalva Maneuver. <i>Frontiers in Neurology</i> , 2016, 7, 87.	2.4	20
123	Regional brain response patterns to Cheyne-Stokes breathing. <i>Respiratory Physiology and Neurobiology</i> , 2006, 150, 87-93.	1.6	19
124	Neural and physiological responses to a cold pressor challenge in healthy adolescents. <i>Journal of Neuroscience Research</i> , 2013, 91, 1618-1627.	2.9	17
125	Cardiovascular Physiology: Central and Autonomic Regulation. , 2005, , 192-202.		17
126	Minute-by-Minute Association of Heart Rate Variation with Basal Heart Rate in Developing Infants. <i>Sleep</i> , 1993, 16, 23-30.	1.1	16

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127	Impaired Arousals and Sudden Infant Death Syndrome. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 1262-1263.	5.6	16
128	Functional magnetic resonance imaging during hypotension in the developing animal. Journal of Applied Physiology, 2004, 97, 2248-2257.	2.5	16
129	Brain metabolites in autonomic regulatory insular sites in heart failure. Journal of the Neurological Sciences, 2014, 346, 271-275.	0.6	16
130	Association of Peri-ictal Brainstem Posturing With Seizure Severity and Breathing Compromise in Patients With Generalized Convulsive Seizures. Neurology, 2021, 96, e352-e365.	1.1	16
131	Effects of Thoracic Pressure Changes on MRI Signals in the Brain. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1024-1032.	4.3	15
132	The Cerebellum and SIDS: Disordered Breathing in a Mouse Model of Developmental Cerebellar Purkinje Cell Loss during Recovery from Hypercarbia. Frontiers in Neurology, 2016, 7, 78.	2.4	15
133	Developmental patterns of heart rate and variability in infants with persistent apnea of infancy. Early Human Development, 1998, 50, 251-262.	1.8	14
134	Cardiac Responses to Pressor Challenges in Congenital Central Hypoventilation Syndrome. Herzfrequenz-Reaktionen auf Druckauswirkungen bei angeborenem zentralem Hypoventilationssyndrom (CCHS). Somnologie, 2002, 6, 109-115.	1.5	14
135	Dilated basilar arteries in patients with congenital central hypoventilation syndrome. Neuroscience Letters, 2009, 467, 139-143.	2.1	14
136	Perinatal intermittent hypoxia alters γ -aminobutyric acid: a receptor levels in rat cerebellum. International Journal of Developmental Neuroscience, 2011, 29, 819-826.	1.6	14
137	Decreased Cortical Thickness in Central Hypoventilation Syndrome. Cerebral Cortex, 2012, 22, 1728-1737.	2.9	13
138	Sex differences in insular cortex gyri responses to a brief static handgrip challenge. Biology of Sex Differences, 2017, 8, 13.	4.1	13
139	Dynamic Respiratory Responses to Preoptic/Anterior Hypothalamic Warming in the Sleeping Cat. Sleep, 1994, 17, 657-664.	1.1	12
140	Seizure Clusters, Seizure Severity Markers, and SUDEP Risk. Frontiers in Neurology, 2021, 12, 643916.	2.4	12
141	Lateralized Resting-State Functional Brain Network Organization Changes in Heart Failure. PLoS ONE, 2016, 11, e0155894.	2.5	12
142	State-Dependent Respiratory and Cardiac Relationships with Neuronal Discharge in the Bed Nucleus of the Stria Terminalis. Sleep, 1995, 18, 139-144.	1.1	11
143	Respiratory-related heart rate variation during sleep and waking states in cats. Experimental Neurology, 1981, 72, 195-203.	4.1	10
144	Cardiovascular and Respiratory Relationships with Neuronal Discharge in the Central Nucleus of the Amygdala during Sleep-Waking States. Sleep, 1988, , .	1.1	10

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145	Acquisition of Electrophysiologic Signals During Magnetic Resonance Imaging. <i>Sleep</i> , 1999, 22, 1125-1126.	1.1	10
146	Non-Gaussian Diffusion Imaging Shows Brain Myelin and Axonal Changes in Obstructive Sleep Apnea. <i>Journal of Computer Assisted Tomography</i> , 2017, 41, 181-189.	0.9	10
147	A new technique for long-term recording of eye movements in infants. <i>Electroencephalography and Clinical Neurophysiology</i> , 1976, 40, 109-112.	0.3	9
148	Dynamic magnetic resonance imaging of human Rolandic cortex. <i>NeuroReport</i> , 1994, 5, 1593-1596.	1.2	8
149	Cerebral Blood Flow Velocity and Vasomotor Reactivity During Autonomic Challenges in Heart Failure. <i>Nursing Research</i> , 2014, 63, 194-202.	1.7	8
150	Hypocretin Deficiency Associated with Narcolepsy Type 1 and Central Hypoventilation Syndrome in Neurosarcoidosis of the Hypothalamus. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 1063-1065.	2.6	8
151	Accelerated Echo Planer J-resolved Spectroscopic Imaging of Putamen and Thalamus in Obstructive Sleep Apnea. <i>Scientific Reports</i> , 2016, 6, 31747.	3.3	8
152	Detecting variable responses within fMRI time-series of volumes-of-interest using repeated measures ANOVA. <i>F1000Research</i> , 2016, 5, 563.	1.6	8
153	Distinct Patterns of Brain Metabolism in Patients at Risk of Sudden Unexpected Death in Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 623358.	2.4	8
154	Diffusion Tensor Imaging and Neurobehavioral Outcome in Children With Brain Tumors Treated With Chemotherapy. <i>Journal of Pediatric Oncology Nursing</i> , 2016, 33, 119-128.	1.5	7
155	Cardiac and Respiratory Interactions Maintaining Homeostasis During Sleep. , 1988, , 67-78.		7
156	Detecting variable responses in time-series using repeated measures ANOVA: Application to physiologic challenges. <i>F1000Research</i> , 2016, 5, 563.	1.6	7
157	State-dependent cellular activity patterns of the cat paraventricular hypothalamus measured by reflectance imaging. <i>Brain Research</i> , 1996, 727, 107-117.	2.2	6
158	State influences on ventral medullary surface and physiological responses to sodium cyanide challenges. <i>Journal of Applied Physiology</i> , 2000, 89, 1919-1927.	2.5	5
159	A device for feline head positioning and stabilization during magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2001, 19, 1031-1036.	1.8	5
160	Structural mechanisms underlying autonomic reactions in pediatric arousal. <i>Sleep Medicine</i> , 2002, 3, S53-S56.	1.6	5
161	Activity changes of the cat paraventricular hypothalamus during stressor exposure. <i>NeuroReport</i> , 2004, 15, 43-48.	1.2	5
162	Sudden death in a child with epilepsy: potential cerebellar mechanisms?. <i>Arquivos De Neuro-Psiquiatria</i> , 2011, 69, 707-710.	0.8	5

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163	A prospective observational cohort study of exposure to womb-like sounds to stabilize breathing and cardiovascular patterns in preterm neonates. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 2245-2251.	1.5	5
164	Functional organization of the insula in men and women with obstructive sleep apnea during Valsalva. <i>Sleep</i> , 2021, 44, .	1.1	5
165	Automated Analysis of Risk Factors for Postictal Generalized EEG Suppression. <i>Frontiers in Neurology</i> , 2021, 12, 669517.	2.4	5
166	Altered Relationship Between Heart Rate Variability and fMRI-Based Functional Connectivity in People With Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 671890.	2.4	5
167	Changes in ventral medullary light reflectance during hypercapnia in awake and sleeping cats. <i>Neuroscience Letters</i> , 2000, 286, 175-178.	2.1	4
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