

Richard D Jones

List of Publications by Year in descending order

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129
papers

3,410
citations

186209

28
h-index

175177

52
g-index

131
all docs

131
docs citations

131
times ranked

3398
citing authors

#	ARTICLE	IF	CITATIONS
1	IMPAIRMENT AND RECOVERY OF IPSILATERAL SENSORY-MOTOR FUNCTION FOLLOWING UNILATERAL CEREBRAL INFARCTION. <i>Brain</i> , 1989, 112, 113-132.	3.7	281
2	Impaired eye movements in post-concussion syndrome indicate suboptimal brain function beyond the influence of depression, malingering or intellectual ability. <i>Brain</i> , 2009, 132, 2850-2870.	3.7	273
3	Eye movement and visuomotor arm movement deficits following mild closed head injury. <i>Brain</i> , 2003, 127, 575-590.	3.7	139
4	Motor deficits and recovery during the first year following mild closed head injury. <i>Brain Injury</i> , 2006, 20, 807-824.	0.6	137
5	EEG-Based Lapse Detection With High Temporal Resolution. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 832-839.	2.5	128
6	Skill Training for Swallowing Rehabilitation in Patients With Parkinson's Disease. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1374-1382.	0.5	118
7	Mild traumatic brain injury and fatigue: A prospective longitudinal study. <i>Brain Injury</i> , 2010, 24, 1528-1538.	0.6	102
8	Frequent lapses of responsiveness during an extended visuomotor tracking task in non-sleep-deprived subjects. <i>Journal of Sleep Research</i> , 2006, 15, 291-300.	1.7	93
9	Losing the struggle to stay awake: Divergent thalamic and cortical activity during microsleeps. <i>Human Brain Mapping</i> , 2014, 35, 257-269.	1.9	92
10	The First Year of Human Life: Coordinating Respiration and Nutritive Swallowing. <i>Dysphagia</i> , 2007, 22, 37-43.	1.0	84
11	Detection of epileptiform discharges in the EEG by a hybrid system comprising mimetic, self-organized artificial neural network, and fuzzy logic stages. <i>Clinical Neurophysiology</i> , 1999, 110, 2049-2063.	0.7	72
12	Impairment of high-contrast visual acuity in Parkinson's disease. <i>Movement Disorders</i> , 1992, 7, 232-238.	2.2	68
13	Assessment and Training of Brain-Damaged Drivers. <i>American Journal of Occupational Therapy</i> , 1983, 37, 754-760.	0.1	65
14	Adaptive modification of saccade amplitude in Parkinson's disease. <i>Brain</i> , 2002, 125, 1570-1582.	3.7	63
15	Cerebral Perfusion Differences Between Drowsy and Nondrowsy Individuals After Acute Sleep Restriction. <i>Sleep</i> , 2012, 35, 1085-1096.	0.6	63
16	Wavelet Analysis of Transient Biomedical Signals and its Application to Detection of Epileptiform Activity in the EEG. <i>Clinical EEG (electroencephalography)</i> , 2000, 31, 181-191.	0.9	52
17	Sensory-motor and cognitive tests predict driving ability of persons with brain disorders. <i>Journal of the Neurological Sciences</i> , 2007, 260, 188-198.	0.3	46
18	A new approach to predicting postconcussion syndrome after mild traumatic brain injury based upon eye movement function. , 2008, 2008, 3570-3.		45

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19	Detection of lapses in responsiveness from the EEG. <i>Journal of Neural Engineering</i> , 2011, 8, 016003.	1.8	45
20	Source-space ICA for EEG source separation, localization, and time-course reconstruction. <i>NeuroImage</i> , 2014, 101, 720-737.	2.1	45
21	Pharyngeal mis-sequencing in dysphagia: Characteristics, rehabilitative response, and etiological speculation. <i>Journal of the Neurological Sciences</i> , 2014, 343, 153-158.	0.3	45
22	Decreased Regional Cerebral Perfusion in Moderate-Severe Obstructive Sleep Apnoea during Wakefulness. <i>Sleep</i> , 2015, 38, 699-706.	0.6	40
23	Recovery in the first year after mild head injury: Divergence of symptom status and self-perceived quality of life. <i>Acta Dermato-Venereologica</i> , 2007, 39, 612-621.	0.6	38
24	Tics and developmental stuttering. <i>Parkinsonism and Related Disorders</i> , 2003, 9, 281-289.	1.1	37
25	Automated video-based measurement of eye closure for detecting behavioral microsleep. , 2010, 2010, 6741-4.		37
26	Comparison of beamformers for EEG source signal reconstruction. <i>Biomedical Signal Processing and Control</i> , 2014, 14, 175-188.	3.5	35
27	Fractionation of visuoperceptual dysfunction in Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 1995, 131, 43-50.	0.3	33
28	Classification of alcoholic EEG signals using wavelet scattering transform-based features. <i>Computers in Biology and Medicine</i> , 2021, 139, 104969.	3.9	33
29	Attention lapses and behavioural microsleeps during tracking, psychomotor vigilance, and dual tasks. <i>Consciousness and Cognition</i> , 2016, 45, 174-183.	0.8	31
30	Detection of adaptive inverse models in the human motor system. <i>Human Movement Science</i> , 2000, 19, 761-795.	0.6	30
31	Mild head injuryâ€”a close relationship between motor function at 1 week post-injury and overall recovery at 3 and 6 months. <i>Journal of the Neurological Sciences</i> , 2007, 253, 34-47.	0.3	30
32	Effects of olfactory and gustatory stimuli on neural excitability for swallowing. <i>Physiology and Behavior</i> , 2010, 101, 568-575.	1.0	30
33	Intra- and inter-rater reliability for analysis of hyoid displacement measured with sonography. <i>Journal of Clinical Ultrasound</i> , 2012, 40, 74-78.	0.4	30
34	Time-varying effective connectivity of the cortical neuroelectric activity associated with behavioural microsleeps. <i>NeuroImage</i> , 2016, 124, 421-432.	2.1	30
35	Temporal evolution of neural activity and connectivity during microsleeps when rested and following sleep restriction. <i>NeuroImage</i> , 2018, 174, 263-273.	2.1	30
36	Measurement of integrated sensory-motor function following brain damage by a computerized preview tracking task. <i>International Rehabilitation Medicine</i> , 1981, 3, 71-83.	0.6	29

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37	The Value of off-Road Tests in the Assessment of Driving Potential of Unlicensed Disabled People. <i>British Journal of Occupational Therapy</i> , 1987, 50, 357-361.	0.5	27
38	Cross-Sectional Area of the Anterior Belly of the Digastric Muscle: Comparison of MRI and Ultrasound Measures. <i>Dysphagia</i> , 2013, 28, 375-380.	1.0	27
39	Real-time Detection of Epileptiform Activity in the EEG: A Blinded Clinical Trial. <i>Clinical EEG (electroencephalography)</i> , 2000, 31, 122-130.	0.9	24
40	Detecting Behavioral Microsleeps from EEG Power Spectra. , 2006, 2006, 5723-6.		24
41	Distinct neural correlates of time-on-task and transient errors during a visuomotor tracking task after sleep restriction. <i>NeuroImage</i> , 2013, 77, 105-113.	2.1	24
42	Visuoperceptual and visuomotor deficits in developmental stutterers: An exploratory study. <i>Human Movement Science</i> , 2002, 21, 603-619.	0.6	23
43	The early impact of feeding on infant breathing"swallowing coordination. <i>Respiratory Physiology and Neurobiology</i> , 2007, 156, 147-153.	0.7	23
44	Detection of focal epileptiform events in the EEG by spatio-temporal dipole clustering. <i>Clinical Neurophysiology</i> , 2008, 119, 1756-1770.	0.7	23
45	Measuring voluntary and reflexive cough strength in healthy individuals. <i>Respiratory Medicine</i> , 2017, 132, 95-101.	1.3	23
46	Effects of olfactory and gustatory stimuli on the biomechanics of swallowing. <i>Physiology and Behavior</i> , 2011, 102, 485-490.	1.0	22
47	Measurement of Sensory-Motor Control Performance Capacities. <i>The Electrical Engineering Handbook</i> , 1999, , .	0.2	21
48	Dysfluency and Involuntary Movements: A New Look at Developmental Stuttering. <i>International Journal of Neuroscience</i> , 2001, 109, 23-46.	0.8	19
49	Comparison of a linear and a non-linear model for using sensory"motor, cognitive, personality, and demographic data to predict driving ability in healthy older adults. <i>Accident Analysis and Prevention</i> , 2010, 42, 1759-1768.	3.0	19
50	Predicting On"Road Assessment Pass and Fail Outcomes in Older Drivers with Cognitive Impairment Using a Battery of Computerized Sensory"Motor and Cognitive Tests. <i>Journal of the American Geriatrics Society</i> , 2013, 61, 2192-2198.	1.3	19
51	Predicting Microsleep States Using EEG Inter-Channel Relationships. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2260-2269.	2.7	19
52	Measurement and analysis of single and multiple finger tapping in normal and Parkinsonian subjects. <i>Parkinsonism and Related Disorders</i> , 1995, 1, 89-96.	1.1	18
53	Slow-wave activity arising from the same area as epileptiform activity in the EEG of paediatric patients with focal epilepsy. <i>Clinical Neurophysiology</i> , 2005, 116, 9-17.	0.7	18
54	Performance in normal subjects on a novel battery of driving-related sensory-motor and cognitive tests. <i>Behavior Research Methods</i> , 2009, 41, 284-294.	2.3	18

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55	Simulating closed- and open-loop voluntary movement: a nonlinear control-systems approach. IEEE Transactions on Biomedical Engineering, 2002, 49, 1242-1252.	2.5	17
56	The influence of volition on breathing-swallowing coordination in healthy adults.. Behavioral Neuroscience, 2007, 121, 1174-1179.	0.6	17
57	The effect of swallowing treatments on corticobulbar excitability: A review of transcranial magnetic stimulation induced motor evoked potentials. Journal of Neuroscience Methods, 2014, 233, 89-98.	1.3	17
58	Efficient and Regular Patterns of Nighttime Sleep are Related to Increased Vulnerability to Microsleeps Following a Single Night of Sleep Restriction. Chronobiology International, 2013, 30, 1187-1196.	0.9	16
59	Microsleeps are Associated with Stage-2 Sleep Spindles from Hippocampal-Temporal Network. International Journal of Neural Systems, 2016, 26, 1650015.	3.2	16
60	The impact of mild closed head injury on involuntary saccadic adaptation: Evidence for the preservation of implicit motor learning. Brain Injury, 2005, 19, 109-117.	0.6	15
61	Suppression of displacement in severely slowed saccades. Vision Research, 2000, 40, 3405-3413.	0.7	14
62	Nutritive and non-nutritive swallowing apnea duration in term infants: Implications for neural control mechanisms. Respiratory Physiology and Neurobiology, 2006, 154, 372-378.	0.7	14
63	fMRI correlates of behavioural microsleeps during a continuous visuomotor task. , 2009, 2009, 2919-22.		13
64	Lapses of responsiveness: Characteristics, detection, and underlying mechanisms. , 2010, 2010, 1788-91.		13
65	The Effectiveness of Constant, Variable, Random, and Blocked Practice in Speech-Motor Learning. Journal of Motor Learning and Development, 2017, 5, 103-125.	0.2	13
66	Age and gender effects on submental motor-evoked potentials. Age, 2014, 36, 9735.	3.0	12
67	Impairment and recovery profiles of sensory-motor function following stroke: Single-case graphical analysis techniques. International Disability Studies, 1990, 12, 141-148.	0.4	11
68	A laser-based eye-tracking system. Behavior Research Methods, 2002, 34, 561-572.	1.3	11
69	The capacity for volitional control of pharyngeal swallowing in healthy adults. Physiology and Behavior, 2015, 152, 257-263.	1.0	11
70	Source-space ICA for MEG source imaging. Journal of Neural Engineering, 2016, 13, 016005.	1.8	11
71	Assessment of older drivers in New Zealand: The current system, research and recommendations. Australasian Journal on Ageing, 2011, 30, 148-155.	0.4	10
72	Optimized echo state networks with leaky integrator neurons for EEG-based microsleep detection. , 2015, 2015, 3775-8.		10

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73	Estimates of functional cerebral hemispheric differences in monolingual and bilingual people who stutter: Visual hemifield paradigm. <i>Clinical Linguistics and Phonetics</i> , 2017, 31, 251-265.	0.5	10
74	The effects of alcohol on driving-related sensorimotor performance across four times of day.. <i>Journal of Studies on Alcohol and Drugs</i> , 2003, 64, 93-97.	2.4	9
75	Arousal has no effect on non-nutritive breathing-swallowing coordination during the first year of human life. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 385-390.	0.7	9
76	Prediction of microsleeps from EEG: Preliminary results. , 2016, 2016, 4650-4653.		9
77	Measurement of BOLD Changes Due to Cued Eye-Closure and Stopping During a Continuous Visuomotor Task via Model-Based and Model-Free Approaches. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2010, 18, 479-488.	2.7	8
78	Pharyngeal Pressures During Swallowing Within and Across Three Sessions: Within-Subject Variance and Order Effects. <i>Dysphagia</i> , 2011, 26, 385-391.	1.0	8
79	Prediction of microsleeps using pairwise joint entropy and mutual information between EEG channels. , 2017, 2017, 4495-4498.		8
80	Saccadic adaptation in neurological disorders. <i>Progress in Brain Research</i> , 2002, 140, 417-431.	0.9	7
81	Design of a modular and low-latency virtual-environment platform for applications in motor adaptation research, neurological disorders, and neurorehabilitation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008, 16, 298-309.	2.7	7
82	The relationship between behavioural microsleeps, visuomotor performance and EEG theta. , 2010, 2010, 4452-5.		7
83	Estimates of functional cerebral hemispheric differences in monolingual and bilingual people who stutter: Dual-task paradigm. <i>Clinical Linguistics and Phonetics</i> , 2017, 31, 409-423.	0.5	7
84	Comparison of unidirectional and circumferential manometric measures within the pharyngoesophageal segment: an exploratory study. <i>European Archives of Oto-Rhino-Laryngology</i> , 2018, 275, 2303-2310.	0.8	7
85	Pharyngeal Swallowing During Wake and Sleep. <i>Dysphagia</i> , 2019, 34, 916-921.	1.0	7
86	Effects of cerebellar transcranial direct current stimulation (tDCS) on motor skill learning in swallowing. <i>Disability and Rehabilitation</i> , 2022, 44, 2276-2284.	0.9	7
87	Behavioural microsleeps in normally-rested people. , 2010, 2010, 4448-51.		6
88	Voxel-ICA for reconstruction of source signal time-series and orientation in EEG and MEG. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014, 37, 457-464.	1.4	6
89	Effect of Volitional Effort on Submental Surface Electromyographic Activity During Healthy Swallowing. <i>Dysphagia</i> , 2022, 37, 297-306.	1.0	6
90	RoWDI: rolling window detection of sleep intrusions in the awake brain using fMRI. <i>Journal of Neural Engineering</i> , 2021, 18, 056063.	1.8	6

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91	A Comparison of Two-Dimensional and One-Dimensional Tracking Performance in Normal Subjects. Journal of Motor Behavior, 1998, 30, 359-366.	0.5	5
92	Submovements in visually-guided and memory-guided reaching tasks: Changes in Parkinson's disease. , 2008, 2008, 1761-4.		5
93	Do Complex Models Increase Prediction of Complex Behaviours? Predicting Driving Ability in People with Brain Disorders. Quarterly Journal of Experimental Psychology, 2011, 64, 1714-1725.	0.6	5
94	Prediction of driving ability: Are we building valid models?. Accident Analysis and Prevention, 2015, 77, 29-34.	3.0	5
95	Saccadic Suppression of Displacement: Effects of Illumination and Background Manipulation. Perception, 2003, 32, 463-474.	0.5	4
96	Performance of beamformers on EEG source reconstruction. , 2012, 2012, 2517-21.		4
97	Prospective study of healthy older drivers: No increase in crash involvement or traffic citations at 24months following a failed on-road assessment. Transportation Research Part F: Traffic Psychology and Behaviour, 2013, 16, 73-80.	1.8	4
98	Bayesian multi-subject factor analysis to predict microsleeps from EEG power spectral features. , 2017, 2017, 4183-4186.		4
99	A Neurophysiological and Behavioral Assessment of Interventions Targeting Attention Bias and Sense of Control in Binge Drinking. Frontiers in Human Neuroscience, 2019, 12, 538.	1.0	4
100	Reservoir computing approaches to microsleep detection. Journal of Neural Engineering, 2021, 18, 046021.	1.8	4
101	Classification of Stroke Patients With Dysphagia Into Subgroups Based on Patterns of Submental Muscle Strength and Skill Impairment. Archives of Physical Medicine and Rehabilitation, 2021, 102, 895-904.	0.5	4
102	On-Road Driving Assessment Errors Associated with Pass and Fail Outcomes for Older Drivers with Cognitive Impairment. , 2011, , .		4
103	Optimal EEG feature selection from average distance between events and non-events. , 2014, 2014, 2641-4.		3
104	Are individuals with Parkinson's disease capable of speech-motor learning? " A preliminary evaluation. Parkinsonism and Related Disorders, 2016, 28, 141-145.	1.1	3
105	Ensemble learning based on overlapping clusters of subjects to predict microsleep states from EEG. , 2018, 2018, 3036-3039.		3
106	Deep Learning with Convolutional Neural Network for detecting microsleep states from EEG: A comparison between the oversampling technique and cost-based learning. , 2019, 2019, 4152-4155.		3
107	EEG-Based Machine Learning: Theory and Applications. , 2021, , 1-39.		3
108	Detection of concealed knowledge via the <sc>ERP</sc>-based technique <i>Brain Fingerprinting</i>: Real-life and real-crime incidents. Psychophysiology, 2022, 59, .	1.2	3

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109	Prediction of Driving Ability in Persons with Brain Disorders using Sensory-Motor and Cognitive Tests. , 2005, 2005, 5439-42.		2
110	Functional-MRI correlates of cued slow-eye-closure and task non-responsiveness during visuomotor tracking. , 2008, 2008, 4122-5.		2
111	Electromagnetic tomography via source-space-ICA. , 2013, 2013, 37-40.		2
112	EEG-based event detection using optimized echo state networks with leaky integrator neurons. , 2014, 2014, 5856-9.		2
113	Detection of microsleep states from the EEG: a comparison of feature reduction methods. Medical and Biological Engineering and Computing, 2021, 59, 1643-1657.	1.6	2
114	Prediction of Driving Ability in People With Dementia- and Non- Dementia-Related Brain Disorders. , 2009, , .		2
115	Driving Assessment and Subsequent Driving Outcome: A Prospective Study of Safe and Unsafe Healthy Driver Groups. , 2009, , .		2
116	Removal of the visuospatial component from tracking performance and its application to Parkinson's disease. , 1992, , .		1
117	PS-59-3 Automated detection of epileptiform activity in the EEG. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1995, 97, S242.	1.4	1
118	A miniature head-mounted camera for measuring eye closure. , 2012, , .		1
119	A wearable device for measuring eye dynamics in real-world conditions. , 2013, 2013, 6615-8.		1
120	Neural Correlates of Attention Lapses During Continuous Tasks. , 2020, 2020, 3196-3199.		1
121	A software framework for real-time multi-modal detection of microsleeps. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 739-749.	1.4	1
122	Detecting Behavioral Microsleeps from EEG Power Spectra. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	1
123	Event-based detection of lapses of responsiveness. , 2008, 2008, 4960-3.		0
124	Different models for predicting driving performance in people with brain disorders. , 2010, 2010, 5226-9.		0
125	Detection and Prediction of Microsleeps from EEG using Spatio-Temporal Patterns. , 2019, 2019, 522-525.		0
126	Characteristic changes in the EEG signals between microsleeps and preceding responsive states. , 2019, 2019, 1709-1712.		0

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127	Estimates of functional cerebral hemispheric differences in monolingual and bilingual people who stutter: dichotic listening paradigm. <i>Clinical Linguistics and Phonetics</i> , 2020, 34, 774-789.	0.5	0
128	Investigating the neural signature of microsleeps using EEG. , 2021, 2021, 6293-6296.		0
129	Quantification of edge effects in capacitive biopotential sensing. , 2021, , .		0