Richard B Reilly

List of Publications by Year
in descending order

352 papers	12,617 citations	41258 49 h-index	33814 99 g-index
365 all docs	365 docs citations	365 times ranked	12552 citing authors

#	Article	IF	Citations
1	Automatic Classification of Heartbeats Using ECG Morphology and Heartbeat Interval Features. IEEE Transactions on Biomedical Engineering, 2004, 51, 1196-1206.	2.5	1,203
2	FASTER: Fully Automated Statistical Thresholding for EEG artifact Rejection. Journal of Neuroscience Methods, 2010, 192, 152-162.	1.3	895
3	Increases in Alpha Oscillatory Power Reflect an Active Retinotopic Mechanism for Distracter Suppression During Sustained Visuospatial Attention. Journal of Neurophysiology, 2006, 95, 3844-3851.	0.9	599
4	A Patient-Adapting Heartbeat Classifier Using ECG Morphology and Heartbeat Interval Features. IEEE Transactions on Biomedical Engineering, 2006, 53, 2535-2543.	2.5	394
5	Automated processing of the single-lead electrocardiogram for the detection of obstructive sleep apnoea. IEEE Transactions on Biomedical Engineering, 2003, 50, 686-696.	2.5	371
6	An affective model of interplay between emotions and learning: reengineering educational pedagogy-building a learning companion. , 0, , .		342
7	Is Telepsychiatry Equivalent to Face-to-Face Psychiatry? Results From a Randomized Controlled Equivalence Trial. Psychiatric Services, 2007, 58, 836-843.	1.1	309
8	Brain-Computer Interfaces, Virtual Reality, and Videogames. Computer, 2008, 41, 66-72.	1.2	294
9	Steady-State VEP-Based Brain-Computer Interface Control in an Immersive 3D Gaming Environment. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	280
10	Beyond the Balanced Scorecard:. Long Range Planning, 2003, 36, 187-204.	2.9	236
11	Resolving Precise Temporal Processing Properties of the Auditory System Using Continuous Stimuli. Journal of Neurophysiology, 2009, 102, 349-359.	0.9	210
12	At what time is the cocktail party? A late locus of selective attention to natural speech. European Journal of Neuroscience, 2012, 35, 1497-1503.	1.2	205
13	Visual Spatial Attention Tracking Using High-Density SSVEP Data for Independent Brain–Computer Communication. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2005, 13, 172-178.	2.7	188
14	A neural mass model of spectral responses in electrophysiology. NeuroImage, 2007, 37, 706-720.	2.1	185
15	Objective Assessment of Adherence to Inhalers by Patients with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1333-1343.	2.5	162
16	The VESPA: A method for the rapid estimation of a visual evoked potential. NeuroImage, 2006, 32, 1549-1561.	2.1	154
17	Visual Spatial Attention Control in an Independent Brain-Computer Interface. IEEE Transactions on Biomedical Engineering, 2005, 52, 1588-1596.	2.5	152
18	Protein Tyrosine Phosphatase 1B Reduction Regulates Adiposity and Expression of Genes Involved in Lipogenesis. Diabetes, 2002, 51, 2405-2411.	0.3	150

#	Article	IF	Citations
19	My face or yours? Event-related potential correlates of self-face processing. Brain and Cognition, 2010, 72, 244-254.	0.8	150
20	A randomised clinical trial of feedback on inhaler adherence and technique in patients with severe uncontrolled asthma. European Respiratory Journal, 2018, 51, 1701126.	3.1	147
21	A parametric feature extraction and classification strategy for brain-computer interfacing. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2005, 13, 12-17.	2.7	138
22	Temporal Discrimination Threshold: VBM evidence for an endophenotype in adult onset primary torsion dystonia. Brain, 2009, 132, 2327-2335.	3.7	134
23	Behavioural and physiological impairments of sustained attention after traumatic brain injury. Cognitive Brain Research, 2004, 20, 403-414.	3.3	133
24	Bayesian estimation of synaptic physiology from the spectral responses of neural masses. NeuroImage, 2008, 42, 272-284.	2.1	122
25	The pathophysiology of cancer-related fatigue: current controversies. Supportive Care in Cancer, 2018, 26, 3353-3364.	1.0	109
26	Theta-Modulated Head Direction Cells in the Rat Anterior Thalamus. Journal of Neuroscience, 2011, 31, 9489-9502.	1.7	107
27	Optimal sustained attention is linked to the spectral content of background EEG activity: greater ongoing tonic alpha (â~¼10â€ƒHz) power supports successful phasic goal activation. European Journal of Neuroscience, 2007, 25, 900-907.	1.2	102
28	Telephony-Based Voice Pathology Assessment Using Automated Speech Analysis. IEEE Transactions on Biomedical Engineering, 2006, 53, 468-477.	2.5	99
29	A method of estimating inspiratory flow rate and volume from an inhaler using acoustic measurements. Physiological Measurement, 2013, 34, 903-914.	1.2	96
30	Combination of EEG and ECG for improved automatic neonatal seizure detection. Clinical Neurophysiology, 2007, 118, 1348-1359.	0.7	94
31	Automated processing of shoeprint images based on the Fourier transform for use in forensic science. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 341-350.	9.7	90
32	Projecting Patients' Preferences from Living Wills: An Invalid Strategy for Management of Dementia with Lifeâ€Threatening Illness. Journal of the American Geriatrics Society, 1994, 42, 997-1003.	1.3	83
33	Temporal discrimination thresholds in adult-onset primary torsion dystonia: an analysis by task type and by dystonia phenotype. Journal of Neurology, 2012, 259, 77-82.	1.8	76
34	Stochastic analysis of file-swarming systems. Performance Evaluation, 2007, 64, 856-875.	0.9	75
35	Localized Pleural Mesothelioma. Chest, 1994, 106, 1611-1615.	0.4	73
36	NOISE AND HUMAN PERFORMANCE, A PSYCHOPHYSIOLOGICAL APPROACH. Ergonomics, 1963, 6, 83-97.	1.1	70

#	Article	IF	Citations
37	Temporal discrimination, a cervical dystonia endophenotype: Penetrance and functional correlates. Movement Disorders, 2014, 29, 804-811.	2.2	70
38	A model for human skin impedance during surface functional neuromuscular stimulation. IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society, 1999, 7, 341-348.	1.4	69
39	Peak Frequency in the Theta and Alpha Bands Correlates with Human Working Memory Capacity. Frontiers in Human Neuroscience, 2010, 4, 200.	1.0	64
40	The endophenotype and the phenotype: Temporal discrimination and adult‐onset dystonia. Movement Disorders, 2013, 28, 1766-1774.	2.2	63
41	Investigation of multimorbidity and prevalent disease combinations in older Irish adults using network analysis and association rules. Scientific Reports, 2019, 9, 14567.	1.6	63
42	A Method to Assess Adherence in Inhaler Use through Analysis of Acoustic Recordings of Inhaler Events. PLoS ONE, 2014, 9, e98701.	1.1	63
43	The Effect of Glycemic Control in the Pre-Conception Period and Early Pregnancy on Birth Weight in Women With IDDM. Diabetes Care, 1998, 21, 535-538.	4.3	62
44	Dual Motor-Cognitive Virtual Reality Training Impacts Dual-Task Performance in Freezing of Gait. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1855-1861.	3.9	62
45	Audiovisual temporal discrimination is less efficient with aging. NeuroReport, 2011, 22, 554-558.	0.6	58
46	Neurophysiological markers of alert responding during goal-directed behavior: A high-density electrical mapping study. NeuroImage, 2005, 27, 587-601.	2.1	57
47	Acoustic and temporal analysis of speech: A potential biomarker for schizophrenia. Medical Engineering and Physics, 2010, 32, 1074-1079.	0.8	56
48	Medial septum regulates the hippocampal spatial representation. Frontiers in Behavioral Neuroscience, 2015, 9, 166.	1.0	55
49	Decellularized grafts with axially aligned channels for peripheral nerve regeneration. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 41, 124-135.	1.5	54
50	Development and Validation of an Instrument to Measure Maturity of IT Business Strategic Alignment Mechanisms. Information Resources Management Journal, 2006, 19, 18-33.	0.8	53
51	Cochlear implant artifact attenuation in late auditory evoked potentials: A single channel approach. Hearing Research, 2013, 302, 84-95.	0.9	53
52	Irregular and Ineffective: A Quantitative Observational Study of the Time and Technique of Inhaler Use. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 900-909.e2.	2.0	53
53	Robust Biometric Person Identification Using Automatic Classifier Fusion of Speech, Mouth, and Face Experts. IEEE Transactions on Multimedia, 2007, 9, 701-714.	5.2	52
54	The First CeIV Metallasilsesquioxane Complex: [Ce{(c-C6H11)8Si8O13}2(py)3]. Angewandte Chemie - International Edition, 2001, 40, 1279-1281.	7.2	51

#	ARTICLE	IF	CITATIONS
55	Dissecting the cellular contributions to early visual sensory processing deficits in schizophrenia using the VESPA evoked response. Schizophrenia Research, 2008, 98, 256-264.	1.1	51
56	Sporadic adult onset primary torsion dystonia is a genetic disorder by the temporal discrimination test. Brain, 2011, 134, 2656-2663.	3.7	51
57	Automated spike sorting algorithmbased on Laplacian eigenmaps and<i>k</i>-means clustering. Journal of Neural Engineering, 2011, 8, 016006.	1.8	51
58	Neural Differences between Covert and Overt Attention Studied using EEG with Simultaneous Remote Eye Tracking. Frontiers in Human Neuroscience, 2016, 10, 592.	1.0	51
59	Place field assembly distribution encodes preferred locations. PLoS Biology, 2017, 15, e2002365.	2.6	51
60	Relative Association of Processing Speed, Short-Term Memory and Sustained Attention With Task on Gait Speed: A Study of Community-Dwelling People 50 Years and Older. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1407-1414.	1.7	49
61	Oscillatory Entrainment of Thalamic Neurons by Theta Rhythm in Freely Moving Rats. Journal of Neurophysiology, 2011, 105, 4-17.	0.9	48
62	Electrograms (ECG, EEG, EMG, EOG). Technology and Health Care, 2010, 18, 443-458.	0.5	47
63	Electrocardiogram Based Neonatal Seizure Detection. IEEE Transactions on Biomedical Engineering, 2007, 54, 673-682.	2.5	46
64	Acoustic Analysis of Inhaler Sounds From Community-Dwelling Asthmatic Patients for Automatic Assessment of Adherence. IEEE Journal of Translational Engineering in Health and Medicine, 2014, 2, 1-10.	2.2	46
65	Temporal Discrimination: Mechanisms and Relevance to Adult-Onset Dystonia. Frontiers in Neurology, 2017, 8, 625.	1.1	46
66	Respiratory cycle entrainment of septal neurons mediates the fast coupling of sniffing rate and hippocampal theta rhythm. European Journal of Neuroscience, 2014, 39, 957-974.	1.2	44
67	The Acoustic Features of Inhalation can be Used to Quantify Aerosol Delivery from a Diskusâ„¢ Dry Powder Inhaler. Pharmaceutical Research, 2014, 31, 2735-2747.	1.7	43
68	A Method to Calculate Adherence to Inhaled Therapy that Reflects the Changes in Clinical Features of Asthma. Annals of the American Thoracic Society, 2016, 13, 1894-1903.	1.5	43
69	Neural correlates of abnormal sensory discrimination in laryngeal dystonia. NeuroImage: Clinical, 2016, 10, 18-26.	1.4	43
70	Cervical Dystonia: A Disorder of the Midbrain Network for Covert Attentional Orienting. Frontiers in Neurology, 2014, 5, 54.	1.1	42
71	Effects of MIR137 on fronto-amygdala functional connectivity. NeuroImage, 2014, 90, 189-195.	2.1	42
72	Visual sensory processing deficits in patients with bipolar disorder revealed through high-density electrical mapping. Journal of Psychiatry and Neuroscience, 2009, 34, 459-64.	1.4	41

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73	Using Broad Phonetic Group Experts for Improved Speech Recognition. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 803-812.	3.8	39
74	Hippocampal Dynamics Predict Interindividual Cognitive Differences in Rats. Journal of Neuroscience, 2012, 32, 3540-3551.	1.7	39
75	Classifier models and architectures for EEG-based neonatal seizure detection. Physiological Measurement, 2008, 29, 1157-1178.	1.2	38
76	Synoptic weather pattern controls on temperature in Alaska. Journal of Geophysical Research, 2011, 116, .	3.3	38
77	Advances in Audio-Based Systems to Monitor Patient Adherence and Inhaler Drug Delivery. Chest, 2018, 153, 710-722.	0.4	38
78	Personalized Biofeedback on Inhaler Adherence and Technique by Community Pharmacists: A Cluster Randomized Clinical Trial. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 635-644.	2.0	38
79	The Clinical Impact of Different Adherence Behaviors in Patients with Severe Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1630-1633.	2.5	36
80	Comparing endophenotypes in adult‐onset primary torsion dystonia. Movement Disorders, 2010, 25, 84-90.	2.2	35
81	Baseline Association of Motoric Cognitive Risk Syndrome With Sustained Attention, Memory, and Global Cognition. Journal of the American Medical Directors Association, 2018, 19, 53-58.	1.2	34
82	Using wavelet coefficients for the classification of the electrocardiogram. , 0, , .		31
83	A high-density ERP study reveals latency, amplitude, and topographical differences in multiple sclerosis patients versus controls. Clinical Neurophysiology, 2010, 121, 1420-1426.	0.7	31
84	Endogenous Auditory Spatial Attention Modulates Obligatory Sensory Activity in Auditory Cortex. Cerebral Cortex, 2011, 21, 1223-1230.	1.6	31
85	MTHFR677TT genotype and disease risk: is there a modulating role for B-vitamins?. Proceedings of the Nutrition Society, 2014, 73, 47-56.	0.4	31
86	A convenient route to anionic and cyclic aluminosiloxanes: crystal structures of [PyH][í€Al{OSiPh2(OSiPh2)2Oî€'}2] and the first twelve-membered organic aluminosilicate Al2Si4O6 ring. New Journal of Chemistry, 2001, 25, 528-530.	1.4	30
87	Experimentally augmenting an intelligent tutoring system with human-supplied capabilities: adding human-provided emotional scaffolding to an automated reading tutor that listens. , 0, , .		30
88	Altered medial prefrontal activity during dynamic face processing in schizophrenia spectrum patients. Schizophrenia Research, 2014, 157, 225-230.	1.1	30
89	The INCA^{TM} (Inhaler Compliance Assessment^{TM}): A comparison with established measures of adherence. Psychology and Health, 2017, 32, 1266-1287.	1.2	30
90	Machine learning: a useful radiological adjunct in determination of a newly diagnosed glioma's grade and IDH status. Journal of Neuro-Oncology, 2018, 139, 491-499.	1.4	30

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91	Personalising adherence-enhancing interventions using a smart inhaler in patients with COPD: an exploratory cost-effectiveness analysis. Npj Primary Care Respiratory Medicine, 2018, 28, 24.	1.1	30
92	VALID: A New Practical Audio-Visual Database, and Comparative Results. Lecture Notes in Computer Science, 2005, , 777-786.	1.0	29
93	Machine Learning EEG to Predict Cognitive Functioning and Processing Speed Over a 2-Year Period in Multiple Sclerosis Patients and Controls. Brain Topography, 2018, 31, 346-363.	0.8	29
94	Envelope reconstruction of speech and music highlights stronger tracking of speech at low frequencies. PLoS Computational Biology, 2021, 17, e1009358.	1.5	28
95	A randomized controlled trial of computerized pharmacokinetic theophylline dosing versus empiric physician dosing. Clinical Pharmacology and Therapeutics, 1993, 53, 684-690.	2.3	26
96	Automatic classification of sleep apnea epochs using the electrocardiogram. , 0, , .		26
97	Person identification using automatic integration of speech, lip, and face experts. , 2003, , .		26
98	Autism Spectrum Disorder (ASD) and Fragile X Syndrome (FXS): Two Overlapping Disorders Reviewed through Electroencephalographyâ€"What Can be Interpreted from the Available Information?. Brain Sciences, 2015, 5, 92-117.	1.1	26
99	An Acoustic-Based Method to Detect and Quantify the Effect of Exhalation into a Dry Powder Inhaler. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2015, 28, 247-253.	0.7	26
100	Isolating endogenous visuoâ€spatial attentional effects using the novel visualâ€evoked spread spectrum analysis (VESPA) technique. European Journal of Neuroscience, 2007, 26, 3536-3542.	1.2	25
101	Objective Assessment of Patient Inhaler User Technique Using an Audio-Based Classification Approach. Scientific Reports, 2018, 8, 2164.	1.6	25
102	Transcutaneous spinal cord stimulation and motor responses in individuals with spinal cord injury: A methodological review. PLoS ONE, 2021, 16, e0260166.	1.1	25
103	Neural correlates of oddball detection in self-motion heading: A high-density event-related potential study of vestibular integration. Experimental Brain Research, 2012, 219, 1-11.	0.7	24
104	Birth outcomes following treatment for precancerous changes to the cervix: a populationâ€based record linkage study. BJOG: an International Journal of Obstetrics and Gynaecology, 2012, 119, 236-244.	1.1	24
105	The Impact of Common Inhaler Errors on Drug Delivery: Investigating Critical Errors with a Dry Powder Inhaler. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2017, 30, 247-255.	0.7	24
106	Changes in effective connectivity of human superior parietal lobule under multisensory and unisensory stimulation. European Journal of Neuroscience, 2008, 27, 2303-2312.	1.2	23
107	Disrupted superior collicular activity may reveal cervical dystonia disease pathomechanisms. Scientific Reports, 2017, 7, 16753.	1.6	22
108	A comparison of the ECG classification performance of different feature sets. , 0, , .		21

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109	Feature analysis for automatic speechreading. , 0, , .		21
110	Automatic classification of ECG beats using waveform shape and heart beat interval features. , 0, , .		21
111	An evaluation of the role of environmental factors in the disease penetrance of cervical dystonia. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 331-335.	0.9	21
112	In patients with severe uncontrolled asthma, does knowledge of adherence and inhaler technique using electronic monitoring improve clinical decision making? A protocol for a randomised controlled trial. BMJ Open, 2017, 7, e015367.	0.8	21
113	Peripheral Inflammation and Cognitive Performance in Middle-Aged Adults With and Without Type 2 Diabetes: Results From the ENBIND Study. Frontiers in Aging Neuroscience, 2020, 12, 605878.	1.7	21
114	Changes in Speech Chunking in Reading Aloud is a Marker of Mild Cognitive Impairment and Mild-to-Moderate Alzheimerâ€™s Disease. Current Alzheimer Research, 2018, 15, 828-847.	0.7	21
115	Striatal morphology correlates with sensory abnormalities in unaffected relatives of cervical dystonia patients. Journal of Neurology, 2009, 256, 1307-1313.	1.8	20
116	Impaired information processing speed and attention allocation in multiple sclerosis patients versus controls: A high-density EEG study. Journal of the Neurological Sciences, 2010, 293, 45-50.	0.3	20
117	Sun exposure is an environmental factor for the development of blepharospasm. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 420-424.	0.9	20
118	Performance of an Automated, Remote System to Detect Vocal Fold Paralysis. Annals of Otology, Rhinology and Laryngology, 2008, 117, 834-838.	0.6	19
119	Only Low Frequency Event-Related EEG Activity Is Compromised in Multiple Sclerosis: Insights from an Independent Component Clustering Analysis. PLoS ONE, 2012, 7, e45536.	1.1	19
120	The effect of providing feedback on inhaler technique and adherence from an electronic audio recording device, INCAÂ®, in a community pharmacy setting: study protocol for a randomised controlled trial. Trials, 2016, 17, 226.	0.7	19
121	Motor preparation rather than decision-making differentiates Parkinsonâ€™s disease patients with and without freezing of gait. Clinical Neurophysiology, 2017, 128, 463-471.	0.7	19
122	Audio-Visual Speaker Identification Based on the Use of Dynamic Audio and Visual Features. Lecture Notes in Computer Science, 2003, , 743-751.	1.0	19
123	Entropy measurements in paroxysmal and persistent atrial fibrillation. Physiological Measurement, 2010, 31, 1011-1020.	1.2	18
124	Symptom overlap in anxiety and multiple sclerosis. Multiple Sclerosis Journal, 2013, 19, 1349-1354.	1.4	18
125	Age-Related Sexual Dimorphism in Temporal Discrimination and in Adult-Onset Dystonia Suggests GABAergic Mechanisms. Frontiers in Neurology, 2015, 6, 258.	1.1	18
126	Preliminary evidence for correlation between PASAT performance and P3a and P3b amplitudes in progressive multiple sclerosis. European Journal of Neurology, 2011, 18, 792-795.	1.7	17

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127	A protocol for a randomised clinical trial of the effect of providing feedback on inhaler technique and adherence from an electronic device in patients with poorly controlled severe asthma. BMJ Open, 2016, 6, e009350.	0.8	17
128	Parametric models and spectral analysis for classification in brain-computer interfaces. , 0, , .		16
129	Independent Brain Computer Interface Control using Visual Spatial Attention-Dependent Modulations of Parieto-occipital Alpha. , 0, , .		16
130	Examining the effects of age, sex, and body mass index on normative median motor nerve excitability measurements. Clinical Neurophysiology, 2011, 122, 2081-2088.	0.7	16
131	Automatic identification and accurate temporal detection of inhalations in asthma inhaler recordings. , 2012, 2012, 2595-8.		16
132	Estimation of inhalation flow profile using audio-based methods to assess inhaler medication adherence. PLoS ONE, 2018, 13, e0191330.	1.1	16
133	Age and sex differences in frontal lobe cerebral oxygenation in older adultsâ€"Normative values using novel, scalable technology: Findings from the Irish Longitudinal Study on Ageing (TILDA). Archives of Gerontology and Geriatrics, 2020, 87, 103988.	1.4	16
134	Monocyte chemotaxis mediated by formyl-methionyl-leucyl-phenylalanine conjugated with monoclonal antibodies against human ovarian carcinoma. International Journal of Immunopharmacology, 1983, 5, 307-314.	1.1	15
135	Adaptive noncontact gesture-based system for augmentative communication. IEEE Transactions on Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society, 1999, 7, 174-182.	1.4	15
136	EEG alpha power and coherence time courses in a sustained attention task. , 0, , .		15
137	Do antisaccade deficits in schizophrenia provide evidence of a specific inhibitory function?. Journal of the International Neuropsychological Society, 2006, 12, 901-6.	1.2	15
138	Heart and respiration rate changes in the neonate during electroencephalographic seizure. Medical and Biological Engineering and Computing, 2006, 44, 27-34.	1.6	15
139	Audiovisual Processing is Abnormal in Parkinsonâ€™s Disease and Correlates with Freezing of Gait and Disease Duration. Journal of Parkinson's Disease, 2015, 5, 925-936.	1.5	15
140	Monitoring Inhaler Inhalations Using an Acoustic Sensor Proximal to Inhaler Devices. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2016, 29, 439-446.	0.7	15
141	Clinical and genetic Rett syndrome variants are defined by stable electrophysiological profiles. BMC Pediatrics, 2018, 18, 333.	0.7	15
142	Normal Temporal Discrimination in Musician's Dystonia Is Linked to Aberrant Sensorimotor Processing. Movement Disorders, 2020, 35, 800-807.	2.2	15
143	Comparisons of disease cluster patterns, prevalence and health factors in the USA, Canada, England and Ireland. BMC Public Health, 2021, 21, 1674.	1.2	15
144	Adding Human-Provided Emotional Scaffolding to an Automated Reading Tutor That Listens Increases Student Persistence. Lecture Notes in Computer Science, 2002, , 992-992.	1.0	15

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145	Validity of Selection Criteria in Determining Success of Graduate Students in Psychology. Psychological Reports, 1971, 28, 259-266.	0.9	14
146	Virtual environment trajectory analysis: a basis for navigational assistance and scene adaptivity. Future Generation Computer Systems, 2005, 21, 1157-1166.	4.9	14
147	Change in PASAT performance correlates with change in P3 ERP amplitude over a 12-month period in multiple sclerosis patients. Journal of the Neurological Sciences, 2011, 305, 45-52.	0.3	14
148	Complexity based measures of postural stability provide novel evidence of functional decline in fragile X premutation carriers. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 87.	2.4	14
149	NRXN1Î±+/- is associated with increased excitability in ASD iPSC-derived neurons. BMC Neuroscience, 2021, 22, 56.	0.8	14
150	A comparison of covert and overt attention as a control option in a steady-state visual evoked potential-based brain computer interface. , 2004, 2004, 4725-8.		13
151	Atrial fibrillation organization: quantification of propofol effects. Medical and Biological Engineering and Computing, 2009, 47, 333-341.	1.6	13
152	Measurement of attention during movement: Acquisition of ambulatory EEG and cognitive performance from healthy young adults. , 2013, 2013, 6397-400.		13
153	Objective Assessment of Spectral Ripple Discrimination in Cochlear Implant Listeners Using Cortical Evoked Responses to an Oddball Paradigm. PLoS ONE, 2014, 9, e90044.	1.1	13
154	An acoustic method to automatically detect pressurized metered dose inhaler actuations. , 2014, 2014, 4611-4.		13
155	Young Women do it Better: Sexual Dimorphism in Temporal Discrimination. Frontiers in Neurology, 2015, 6, 160.	1.1	13
156	Signal Propagation in the Human Visual Pathways: An Effective Connectivity Analysis. Journal of Neuroscience, 2015, 35, 13501-13510.	1.7	13
157	The premotor syndrome of cervical dystonia: Disordered processing of salient environmental stimuli. Movement Disorders, 2018, 33, 232-237.	2.2	13
158	Delayed P100-Like Latencies in Multiple Sclerosis: A Preliminary Investigation Using Visual Evoked Spread Spectrum Analysis. PLoS ONE, 2016, 11, e0146084.	1.1	13
159	Assessing motility through abdominal sound monitoring. , 0, , .		12
160	Survey of 1276 shoeprint impressions and development of an automatic shoeprint pattern matching facility. Science and Justice - Journal of the Forensic Science Society, 2006, 46, 79-89.	1.3	12
161	Predicting asthma exacerbations employing remotely monitored adherence. Healthcare Technology Letters, 2016, 3, 51-55.	1.9	12
162	Network Physiology in Aging and Frailty: The Grand Challenge of Physiological Reserve in Older Adults. Frontiers in Network Physiology, 2021, 1, .	0.8	12

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163	Reliability and validity of the Automatic Cognitive Assessment Delivery (ACAD). Frontiers in Aging Neuroscience, 2014, 6, 34.	1.7	11
164	Effects of density on identification and discrimination in visual symbol perception.. Journal of Experimental Psychology, 1961, 61, 494-500.	1.5	10
165	Color based video segmentation using level sets. , 0, , .		10
166	Vinblastine and estramustine phosphate in metastatic renal cell carcinoma. Cancer, 2003, 98, 1837-1841.	2.0	10
167	Acquisition of human EEG data during linear self-motion on a Stewart platform. , 2009, , .		10
168	Application of virtual reality head mounted display for investigation of movement: a novel effect of orientation of attention. Journal of Neural Engineering, 2016, 13, 056006.	1.8	10
169	Localization of Brain Networks Engaged by the Sustained Attention to Response Task Provides Quantitative Markers of Executive Impairment in Amyotrophic Lateral Sclerosis. Cerebral Cortex, 2020, 30, 4834-4846.	1.6	10
170	Dystonia Management: What to Expect From the Future? The Perspectives of Patients and Clinicians Within DystoniaNet Europe. Frontiers in Neurology, 2021, 12, 646841.	1.1	10
171	Applications of face and gesture recognition for human-computer interaction. , 1998, , .		10
172	Extrafield Activity Shifts the Place Field Center of Mass to Encode Aversive Experience. ENeuro, 2019, 6, ENEURO.0423-17.2019.	0.9	10
173	Traumatic Epidermoid Cyst of the Terminal Phalanx. Radiology, 1954, 63, 550-550.	3.6	9
174	What are the electrical stimulation design parameters for maximum VO<inf>2</inf> aimed at Cardio-Pulmonary rehabilitation?. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2428-31.	0.5	9
175	A study into the automation of cognitive assessment tasks for delivery via the telephone: Lessons for developing remote monitoring applications for the elderly. Technology and Health Care, 2013, 21, 387-396.	0.5	9
176	An acoustic method of automatically evaluating patient inhaler technique. , 2013, 2013, 1322-5.		9
177	We Must Talk about Sex and Focal Dystonia. Movement Disorders, 2021, 36, 604-608.	2.2	9
178	Sustained attention to response task-related beta oscillations relate to performance and provide a functional biomarker in ALS. Journal of Neural Engineering, 2021, 18, 026006.	1.8	9
179	A comparison of the use of different wavelet coefficients for the classification of the electrocardiogram. , 0, , .		8
180	Automatic classification of shoeprints for use in forensic science based on the Fourier transform. , 0, , .		8

#	ARTICLE	IF	CITATIONS
181	A colour face image database for benchmarking of automatic face detection algorithms. , 0, , .		8
182	Comparing linear and quadratic models of the human auditory system using EEG. , 2011, 2011, 4171-4.		8
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