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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77 papers	1,670 citations	26 h-index	38 g-index
85 ext. papers	2,155 ext. citations	2.4 avg, IF	4.74 L-index

#	Paper	IF	Citations
77	Passive BCI beyond the lab: current trends and future directions. *Physiological Measurement*, **2018**, 39, 08TR02	2.9	97
76	Adaptive Automation Triggered by EEG-Based Mental Workload Index: A Passive Brain-Computer Interface Application in Realistic Air Traffic Control Environment. *Frontiers in Human Neuroscience*, **2016**, 10, 539	3.3	94
75	Passive BCI in Operational Environments: Insights, Recent Advances, and Future Trends. *IEEE Transactions on Biomedical Engineering*, **2017**, 64, 1431-1436	5	81
74	P300-based brain-computer interface for environmental control: an asynchronous approach. *Journal of Neural Engineering*, **2011**, 8, 025025	5	74
73	The Dry Revolution: Evaluation of Three Different EEG Dry Electrode Types in Terms of Signal Spectral Features, Mental States Classification and Usability. *Sensors*, **2019**, 19,	3.8	69
72	EEG-Based Cognitive Control Behaviour Assessment: an Ecological study with Professional Air Traffic Controllers. *Scientific Reports*, **2017**, 7, 547	4.9	68
71	A passive brain-computer interface application for the mental workload assessment on professional air traffic controllers during realistic air traffic control tasks. *Progress in Brain Research*, **2016**, 228, 295-328	2.9	67
70	Asynchronous P300-based brain-computer interface to control a virtual environment: initial tests on end users. *Clinical EEG and Neuroscience*, **2011**, 42, 219-24	2.3	63
69	A covert attention P300-based brain-computer interface: Geospell. *Ergonomics*, **2012**, 55, 538-51	2.9	56
68	EEG-Based Mental Workload Neurometric to Evaluate the Impact of Different Traffic and Road Conditions in Real Driving Settings. *Frontiers in Human Neuroscience*, **2018**, 12, 509	3.3	56
67	EEG-based Brain-Computer Interface to support post-stroke motor rehabilitation of the upper limb. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 4112-5	0.9	55
66	Human Factors and Neurophysiological Metrics in Air Traffic Control: A Critical Review. *IEEE Reviews in Biomedical Engineering*, **2017**, 10, 250-263	6.4	52
65	Quantitative Assessment of the Training Improvement in a Motor-Cognitive Task by Using EEG, ECG and EOG Signals. *Brain Topography*, **2016**, 29, 149-61	4.3	49
64	A new regression-based method for the eye blinks artifacts correction in the EEG signal, without using any EOG channel. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 3187-3190	0.9	48
63	Hybrid P300-based brain-computer interface to improve usability for people with severe motor disability: electromyographic signals for error correction during a spelling task. *Archives of Physical Medicine and Rehabilitation*, **2015**, 96, S54-61	2.8	41
62	Influence of P300 latency jitter on event related potential-based brain-computer interface performance. *Journal of Neural Engineering*, **2014**, 11, 035008	5	38
61	Frontal EEG theta changes assess the training improvements of novices in flight simulation tasks. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 6619-22	0.9	33

60	Brain Interaction during Cooperation: Evaluating Local Properties of Multiple-Brain Network. *Brain Sciences*, **2017**, 7,	3.4	31
59	Investigation of the effect of EEG-BCI on the simultaneous execution of flight simulation and attentional tasks. *Medical and Biological Engineering and Computing*, **2016**, 54, 1503-13	3.1	28
58	Reliability over time of EEG-based mental workload evaluation during Air Traffic Management (ATM) tasks. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 7242-5	0.9	28
57	Mental workload estimations in unilateral deafened children. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 1654-7	0.9	28
56	Brain-Computer Interface-Based Adaptive Automation to Prevent Out-Of-The-Loop Phenomenon in Air Traffic Controllers Dealing With Highly Automated Systems. *Frontiers in Human Neuroscience*, **2019**, 13, 296	3.3	27
55	A comparison of classification techniques for a gaze-independent P300-based brain-computer interface. *Journal of Neural Engineering*, **2012**, 9, 045012	5	27
54	Asynchronous gaze-independent event-related potential-based brain-computer interface. *Artificial Intelligence in Medicine*, **2013**, 59, 61-9	7.4	26
53	A New Perspective for the Training Assessment: Machine Learning-Based Neurometric for Augmented User's Evaluation. *Frontiers in Neuroscience*, **2017**, 11, 325	5.1	26
52	Avionic technology testing by using a cognitive neurometric index: A study with professional helicopter pilots. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 6182-5	0.9	26
51	Neurophysiological Responses to Different Product Experiences. *Computational Intelligence and Neuroscience*, **2018**, 2018, 9616301	3	26
50	Evaluation of the workload and drowsiness during car driving by using high resolution EEG activity and neurophysiologic indices. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 6238-41	0.9	25
49	Towards a multimodal bioelectrical framework for the online mental workload evaluation. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 3001-4	0.9	23
48	On the Use of Cognitive Neurometric Indexes in Aeronautic and Air Traffic Management Environments. *Lecture Notes in Computer Science*, **2015**, 45-56	0.9	18
47	Self-calibration algorithm in an asynchronous P300-based brain-computer interface. *Journal of Neural Engineering*, **2014**, 11, 035004	5	17
46	EEG-based Approach-Withdrawal index for the pleasantness evaluation during taste experience in realistic settings. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2017**, 2017, 3228-3231	0.9	17
45	A neurophysiological training evaluation metric for air traffic management. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 3005-8	0.9	16
44	How Neurophysiological Measures Can be Used to Enhance the Evaluation of Remote Tower Solutions. *Frontiers in Human Neuroscience*, **2019**, 13, 303	3.3	15
43	Correlation and Similarity between Cerebral and Non-Cerebral Electrical Activity for User's States Assessment. *Sensors*, **2019**, 19,	3.8	13

42	Antismoking CampaignsTPerception and Gender Differences: A Comparison among EEG Indices. *Computational Intelligence and Neuroscience*, **2019**, 2019, 7348795	3	12
41	The impact of multisensory integration and perceptual load in virtual reality settings on performance, workload and presence. *Scientific Reports*, **2021**, 11, 4831	4.9	12
40	A multimodal and signals fusion approach for assessing the impact of stressful events on Air Traffic Controllers. *Scientific Reports*, **2020**, 10, 8600	4.9	11
39	Neurophysiological measures for usersTtraining objective assessment during simulated robot-assisted laparoscopic surgery. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 981-984	0.9	11
38	EEG rhythms lateralization patterns in children with unilateral hearing loss are different from the patterns of normal hearing controls during speech-in-noise listening. *Hearing Research*, **2019**, 379, 31-42	3.9	10
37	Neurophysiological Profile of Antismoking Campaigns. *Computational Intelligence and Neuroscience*, **2018**, 2018, 9721561	3	10
36	Neurophysiological Vigilance Characterisation and Assessment: Laboratory and Realistic Validations Involving Professional Air Traffic Controllers. *Brain Sciences*, **2020**, 10,	3.4	8
35	Wearable Technologies for Mental Workload, Stress, and Emotional State Assessment during Working-Like Tasks: A Comparison with Laboratory Technologies. *Sensors*, **2021**, 21,	3.8	8
34	Human-Machine Interaction Assessment by Neurophysiological Measures: A Study on Professional Air Traffic Controllers. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2018**, 2018, 4619-4622	0.9	8
33	Industrial Neuroscience in Aviation. *Biosystems and Biorobotics*, **2017**,	0.2	7
32	Double-Step Machine Learning Based Procedure for HFOs Detection and Classification. *Brain Sciences*, **2020**, 10,	3.4	7
31	EEG-Based Mental Workload Assessment During Real Driving: A Taxonomic Tool for Neuroergonomics in Highly Automated Environments **2019**, 121-126		7
30	Cooperation driven coherence: Brains working hard together. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 4696-9	0.9	6
29	A Novel Mutual Information Based Feature Set for DriversTMental Workload Evaluation Using Machine Learning. *Brain Sciences*, **2020**, 10,	3.4	6
28	The Sample Size Matters: To What Extent the Participant Reduction Affects the Outcomes of a Neuroscientific Research. A Case-Study in Neuromarketing Field. *Sensors*, **2021**, 21,	3.8	6
27	Training-induced changes in information transfer efficiency of the brain network: A functional connectome approach **2015**,		5
26	P300 latency Jitter occurrence in patients with disorders of consciousness: Toward a better design for Brain Computer Interface applications. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 6178-81	0.9	5
25	The great beauty: a neuroaesthetic study by neuroelectric imaging during the observation of the real Michelangelo's Moses sculpture. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 6965-8	0.9	5

24	A Survey on Artificial Intelligence (AI) and eXplainable AI in Air Traffic Management: Current Trends and Development with Future Research Trajectory. *Applied Sciences (Switzerland)*, **2022**, 12, 1295	2.6	5
23	Audio Focus: Interactive spatial sound coupled with haptics to improve sound source location in poor visibility. *International Journal of Human Computer Studies*, **2019**, 129, 116-128	4.6	4
22	On the Use of Machine Learning for EEG-Based Workload Assessment: Algorithms Comparison in a Realistic Task. *Communications in Computer and Information Science*, **2019**, 170-185	0.3	4
21	EEG-Based Workload Index as a Taxonomic Tool to Evaluate the Similarity of Different Robot-Assisted Surgery Systems. *Communications in Computer and Information Science*, **2019**, 105-117	0.3	4
20	Joint Analysis of Eye Blinks and Brain Activity to Investigate Attentional Demand during a Visual Search Task. *Brain Sciences*, **2021**, 11,	3.4	4
19	A Video-Based Technique for Heart Rate and Eye Blinks Rate Estimation: A Potential Solution for Telemonitoring and Remote Healthcare. *Sensors*, **2021**, 21,	3.8	4
18	Monitoring performance of professional and occupational operators. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2020**, 168, 199-205	3	3
17	How the workload impacts on cognitive cooperation: A pilot study. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2017**, 2017, 3961-3964	0.9	3
16	Stress Assessment by Combining Neurophysiological Signals and Radio Communications of Air Traffic Controllers. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2020**, 2020, 851-854	0.9	3
15	An EEG-Based Transfer Learning Method for Cross-Subject Fatigue Mental State Prediction. *Sensors* , **2021**, 21,	3.8	3
14	Multivariate model for cooperation: bridging social physiological compliance and hyperscanning. *Social Cognitive and Affective Neuroscience*, **2021**, 16, 193-209	4	3
13	Validation of a Light EEG-Based Measure for Real-Time Stress Monitoring during Realistic Driving.. *Brain Sciences*, **2022**, 12,	3.4	3
12	Toward a cooperation index based on EEG-workload causality: preliminary findings on aerospace-like tasks. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2019**, 2019, 4554-4557	0.9	2
11	Control or no-control? Reducing the gap between brain-computer interface and classical input devices. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 1815-8	0.9	2
10	EEG-Based Mental Workload and Perception-Reaction Time of the Drivers While Using Adaptive Cruise Control. *Communications in Computer and Information Science*, **2019**, 226-239	0.3	2
9	Label-Based Alignment Multi-Source Domain Adaptation for Cross-Subject EEG Fatigue Mental State Evaluation. *Frontiers in Human Neuroscience*, **2021**, 15, 706270	3.3	2
8	Preliminary Concepts. *Biosystems and Biorobotics*, **2017**, 13-27	0.2	1
7	Contactless Physiological Assessment of Mental Workload During Teleworking-like Task. *Communications in Computer and Information Science*, **2020**, 76-86	0.3	1

6	Assessment of AthletesTAttitude: Physiological Evaluation via Wearable Sensors during Grappling Competitions. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2020**, 2020, 584-587	0.9	1
5	Mental Effort Estimation by Passive BCI: A Cross-Subject Analysis. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 906-909	0.9	1
4	Mental States in Aviation. *Biosystems and Biorobotics*, **2017**, 29-56	0.2	0
3	Neurophysiological Signals Processing. *Biosystems and Biorobotics*, **2017**, 83-113	0.2	
2	Involving Hearing, Haptics and Kinesthetics into Non-visual Interaction Concepts for an Augmented Remote Tower Environment. *Communications in Computer and Information Science*, **2020**, 73-100	0.3	
1	Air Force Pilot Expertise Assessment with Regard to Mental Effort Requested during Unusual Attitude Recovery Flight Training Simulations. *Safety*, **2022**, 8, 38	1.7	