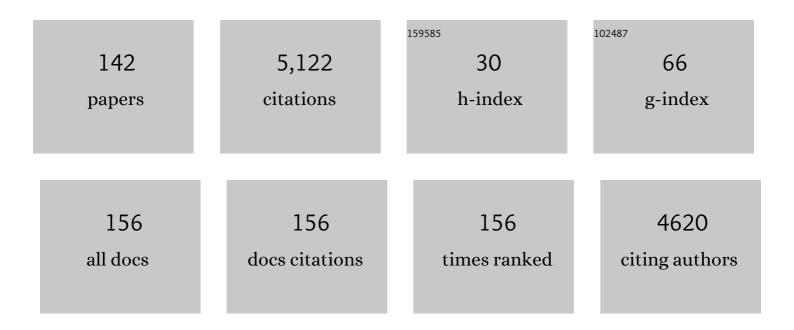
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	How many people are able to control a P300-based brain–computer interface (BCI)?. Neuroscience Letters, 2009, 462, 94-98.	2.1	1,226
2	A Virtual Reprise of the Stanley Milgram Obedience Experiments. PLoS ONE, 2006, 1, e39.	2.5	448
3	P300 brain computer interface: current challenges and emerging trends. Frontiers in Neuroengineering, 2012, 5, 14.	4.8	278
4	Walking from thought. Brain Research, 2006, 1071, 145-152.	2.2	208
5	BNCI Horizon 2020: towards a roadmap for the BCI community. Brain-Computer Interfaces, 2015, 2, 1-10.	1.8	169
6	How Many People Could Use an SSVEP BCI?. Frontiers in Neuroscience, 2012, 6, 169.	2.8	154
7	Comparison of Dry and Gel Based Electrodes for P300 Brain–Computer Interfaces. Frontiers in Neuroscience, 2012, 6, 60.	2.8	150
8	Analysis of Physiological Responses to a Social Situation in an Immersive Virtual Environment. Presence: Teleoperators and Virtual Environments, 2006, 15, 553-569.	0.6	96
9	Facephenes and rainbows: Causal evidence for functional and anatomical specificity of face and color processing in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12285-12290.	7.1	95
10	Asynchronous P300-Based Brain-Computer Interface to Control a Virtual Environment: Initial Tests on End Users. Clinical EEG and Neuroscience, 2011, 42, 219-224.	1.7	90
11	Complete Locked-in and Locked-in Patients: Command Following Assessment and Communication with Vibro-Tactile P300 and Motor Imagery Brain-Computer Interface Tools. Frontiers in Neuroscience, 2017, 11, 251.	2.8	90
12	Walking by Thinking: The Brainwaves Are Crucial, Not the Muscles!. Presence: Teleoperators and Virtual Environments, 2006, 15, 500-514.	0.6	78
13	A Vibrotactile P300-Based Brain–Computer Interface for Consciousness Detection and Communication. Clinical EEG and Neuroscience, 2014, 45, 14-21.	1.7	73
14	Combining BCI with Virtual Reality: Towards New Applications and Improved BCI. Biological and Medical Physics Series, 2012, , 197-220.	0.4	69
15	Brain Computer Interface Treatment for Motor Rehabilitation of Upper Extremity of Stroke Patients—A Feasibility Study. Frontiers in Neuroscience, 2020, 14, 591435.	2.8	63
16	Navigating Virtual Reality by Thought: What Is It Like?. Presence: Teleoperators and Virtual Environments, 2007, 16, 100-110.	0.6	59
17	A New Method to Generate Artificial Frames Using the Empirical Mode Decomposition for an EEG-Based Motor Imagery BCI. Frontiers in Neuroscience, 2018, 12, 308.	2.8	51
18	Passive language mapping combining real-time oscillation analysis with cortico-cortical evoked potentials for awake craniotomy. Journal of Neurosurgery, 2016, 125, 1580-1588.	1.6	50

#	Article	IF	CITATIONS
19	Reaching and Grasping a Glass of Water by Locked-In ALS Patients through a BCI-Controlled Humanoid Robot. Frontiers in Human Neuroscience, 2017, 11, 68.	2.0	50
20	Full-bandwidth electrophysiology of seizures and epileptiform activity enabled by flexible graphene microtransistor depth neural probes. Nature Nanotechnology, 2022, 17, 301-309.	31.5	49
21	EEG Biomarkers Related With the Functional State of Stroke Patients. Frontiers in Neuroscience, 2020, 14, 582.	2.8	48
22	Comparison of SSVEP BCI and Eye Tracking for Controlling a Humanoid Robot in a Social Environment. Presence: Teleoperators and Virtual Environments, 2014, 23, 242-252.	0.6	47
23	Virtual Smart Home Controlled by Thoughts. , 2009, , .		43
24	High Classification Accuracy of a Motor Imagery Based Brain-Computer Interface for Stroke Rehabilitation Training. Frontiers in Robotics and Al, 2018, 5, 130.	3.2	43
25	Accuracy of a P300 Speller for People with Motor Impairments: A Comparison. Clinical EEG and Neuroscience, 2011, 42, 214-218.	1.7	42
26	A quantitative method for evaluating cortical responses to electrical stimulation. Journal of Neuroscience Methods, 2019, 311, 67-75.	2.5	41
27	A Hybrid Brain-Computer Interface for Smart Home Control. Lecture Notes in Computer Science, 2011, , 417-426.	1.3	41
28	A Multifunctional Brain-Computer Interface Intended for Home Use: An Evaluation with Healthy Participants and Potential End Users with Dry and Gel-Based Electrodes. Frontiers in Neuroscience, 2017, 11, 286.	2.8	38
29	Brainâ€Computer Interfaces With Multiâ€ S ensory Feedback for Stroke Rehabilitation: A Case Study. Artificial Organs, 2017, 41, E178-E184.	1.9	37
30	Real-Time Position Reconstruction with Hippocampal Place Cells. Frontiers in Neuroscience, 2011, 5, 85.	2.8	35
31	Using brain-computer interface to steer a humanoid robot. , 2011, , .		35
32	Workshops of the Fifth International Brain-Computer Interface Meeting: Defining the Future. Brain-Computer Interfaces, 2014, 1, 27-49.	1.8	35
33	How Many People Can Use a BCI System?. , 2015, , 33-66.		35
34	Assessing Command-Following and Communication With Vibro-Tactile P300 Brain-Computer Interface Tools in Patients With Unresponsive Wakefulness Syndrome. Frontiers in Neuroscience, 2018, 12, 423.	2.8	35
35	EEG feature fusion for motor imagery: A new robust framework towards stroke patients rehabilitation. Computers in Biology and Medicine, 2021, 137, 104799.	7.0	32
36	Brain-computer interfaces for goal orientated control of a virtual smart home environment. , 2009, , .		30

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#	Article	IF	CITATIONS
37	CortiQ-based Real-Time Functional Mapping for Epilepsy Surgery. Journal of Clinical Neurophysiology, 2015, 32, e12-e22.	1.7	29
38	Rapid and Minimum Invasive Functional Brain Mapping by Real-Time Visualization of High Gamma Activity During Awake Craniotomy. World Neurosurgery, 2014, 82, 912.e1-912.e10.	1.3	28
39	Understanding and Realizing Presence in the Presenccia Project. IEEE Computer Graphics and Applications, 2007, 27, 90-93.	1.2	27
40	Preserved somatosensory discrimination predicts consciousness recovery in unresponsive wakefulness syndrome. Clinical Neurophysiology, 2018, 129, 1130-1136.	1.5	27
41	An electrocorticographic BCI using code-based VEP for control in video applications: a single-subject study. Frontiers in Systems Neuroscience, 2014, 8, 139.	2.5	25
42	A Human–Humanoid Interaction Through the Use of BCI for Locked-In ALS Patients Using Neuro-Biological Feedback Fusion. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 487-497.	4.9	25
43	Workshops of the Sixth International Brain–Computer Interface Meeting: brain–computer interfaces past, present, and future. Brain-Computer Interfaces, 2017, 4, 3-36.	1.8	24
44	A Systematic Review Establishing the Current State-of-the-Art, the Limitations, and the DESIRED Checklist in Studies of Direct Neural Interfacing With Robotic Gait Devices in Stroke Rehabilitation. Frontiers in Neuroscience, 2020, 14, 578.	2.8	24
45	Effects of P300-Based BCI Use on Reported Presence in a Virtual Environment. Presence: Teleoperators and Virtual Environments, 2010, 19, 1-11.	0.6	23
46	Effects of Gamification in BCI Functional Rehabilitation. Frontiers in Neuroscience, 2020, 14, 882.	2.8	23
47	Toward BCI Wizard - best BCI approach for each user. , 2010, 2010, 4201-4.		21
48	Passive functional mapping of receptive language areas using electrocorticographic signals. Clinical Neurophysiology, 2018, 129, 2517-2524.	1.5	21
49	Time-Variant Linear Discriminant Analysis Improves Hand Gesture and Finger Movement Decoding for Invasive Brain-Computer Interfaces. Frontiers in Neuroscience, 2019, 13, 901.	2.8	21
50	Goal-Oriented Control with Brain-Computer Interface. Lecture Notes in Computer Science, 2009, , 732-740.	1.3	20
51	BCI Performance and Brain Metabolism Profile in Severely Brain-Injured Patients Without Response to Command at Bedside. Frontiers in Neuroscience, 2018, 12, 370.	2.8	20
52	Cognitive and Affective Brain–Computer Interfaces for Improving Learning Strategies and Enhancing Student Capabilities: A Systematic Literature Review. IEEE Access, 2021, 9, 134122-134147.	4.2	19
53	Sharing and Analyzing Data from Presence Experiments. Presence: Teleoperators and Virtual Environments, 2006, 15, 599-610.	0.6	18
54	EEG, ECG and oxygen concentration changes from sea level to a simulated altitude of 4000m and back to sea level. Neuroscience Letters, 2008, 442, 123-127.	2.1	16

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55	Cognitive Processing in Non-Communicative Patients: What Can Event-Related Potentials Tell Us?. Frontiers in Human Neuroscience, 2016, 10, 569.	2.0	16
56	Clinical Impact and Implication of Real-Time Oscillation Analysis for Language Mapping. World Neurosurgery, 2017, 97, 123-131.	1.3	16
57	A tactile Brain-Computer Interface for severely disabled patients. , 2014, , .		15
58	Effects of a Vibro-Tactile P300 Based Brain-Computer Interface on the Coma Recovery Scale-Revised in Patients With Disorders of Consciousness. Frontiers in Neuroscience, 2020, 14, 294.	2.8	15
59	Augmented control of an avatar using an SSVEP based BCI. , 2012, , .		14
60	Effects of a fast cable car ascent to an altitude of 2700 meters on EEG and ECG. Neuroscience Letters, 2005, 377, 53-58.	2.1	13
61	How many people can control a motor imagery based BCI using common spatial patterns?. , 2015, , .		13
62	Invariance and variability in interaction error-related potentials and their consequences for classification. Journal of Neural Engineering, 2017, 14, 066015.	3.5	13
63	Auditory and Somatosensory P3 Are Complementary for the Assessment of Patients with Disorders of Consciousness. Brain Sciences, 2020, 10, 748.	2.3	13
64	Characterization of optogenetically-induced cortical spreading depression in awake mice using graphene micro-transistor arrays. Journal of Neural Engineering, 2021, 18, 055002.	3.5	13
65	Beaming into the Rat World: Enabling Real-Time Interaction between Rat and Human Each at Their Own Scale. PLoS ONE, 2012, 7, e48331.	2.5	13
66	Smart homes to improve the quality of life for all. , 2011, 2011, 1777-80.		12
67	Decrease of Asymmetric Dimethylarginine Predicts Acute Mountain Sickness. Journal of Travel Medicine, 2012, 19, 338-343.	3.0	12
68	Novel Techniques of Real-time Blood Flow and Functional Mapping: Technical Note. Neurologia Medico-Chirurgica, 2014, 54, 775-785.	2.2	12
69	A comparison of face speller approaches for P300 BCIs. , 2016, , .		12
70	Performance Differences Using a Vibro-Tactile P300 BCI in LIS-Patients Diagnosed With Stroke and ALS. Frontiers in Neuroscience, 2018, 12, 514.	2.8	12
71	Interaction of BCI with the underlying neurological conditions in patients: pros and cons. Frontiers in Neuroengineering, 2014, 7, 42.	4.8	11
72	Assessment and Communication for People with Disorders of Consciousness. Journal of Visualized Experiments, 2017, , .	0.3	11

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73	Disconnection of the pathological connectome for multifocal epilepsy surgery. Journal of Neurosurgery, 2018, 129, 1182-1194.	1.6	11
74	Motor Rehabilitation for Hemiparetic Stroke Patients Using a Brain-Computer Interface Method. , 2018, , .		10
75	A hybrid Brain-Computer Interface for improving the usability of a smart home control. , 2012, , .		9
76	A Brain-Computer Interface for Motor Rehabilitation With Functional Electrical Stimulation and Virtual Reality. Archives of Physical Medicine and Rehabilitation, 2017, 98, e24.	0.9	9
77	Tailor-Made Surgery Based on Functional Networks for Intractable Epilepsy. Frontiers in Neurology, 2020, 11, 73.	2.4	9
78	Brain–Computer Interfaces in Acute and Subacute Disorders of Consciousness. Journal of Clinical Neurophysiology, 2022, 39, 32-39.	1.7	9
79	Hemiparetic Stroke Rehabilitation Using Avatar and Electrical Stimulation Based on Non-invasive Brain Computer Interface. International Journal of Physical Medicine & Rehabilitation, 2017, 05, .	0.5	9
80	Hardware/Software Components and Applications of BCIs. , 2011, , .		8
81	Poor performance in SSVEP BCIs: Are worse subjects just slower?. , 2012, 2012, 3833-6.		8
82	BCI Hardware and Software. , 2012, , 165-188.		8
83	MindBEAGLE $\hat{a} \in $ [°] A new system for the assessment and communication with patients with disorders of consciousness and complete locked-in syndrom. , 2017, , .		8
84	Workshops of the seventh international brain-computer interface meeting: not getting lost in translation. Brain-Computer Interfaces, 2019, 6, 71-101.	1.8	8
85	Multi-modal Mapping of the Face Selective Ventral Temporal Cortex–A Group Study With Clinical Implications for ECS, ECoG, and fMRI. Frontiers in Human Neuroscience, 2021, 15, 616591.	2.0	8
86	Effects of cable car ascent to 2700 meters on mean EEG frequency and event-related desynchronization. Wiener Medizinische Wochenschrift, 2005, 155, 143-148.	1.1	7
87	Brain-Computer Interface Research: A State-of-the-Art Summary 7. Springer Briefs in Electrical and Computer Engineering, 2019, , 1-9.	0.5	7
88	Performance Investigation of Brain-Computer Interfaces that Combine EEG and fNIRS for Motor Imagery Tasks. , 2019, , .		7
89	Goal orientated Brain-Computer interfaces for Control: a virtual smart home application study. BMC Neuroscience, 2010, 11, .	1.9	6
90	Social Environments, Mixed Communication and Goal-Oriented Control Application Using a Brain-Computer Interface. Lecture Notes in Computer Science, 2011, , 545-554.	1.3	6

#	Article	IF	CITATIONS
91	Trends in BCI Research I: Brain-Computer Interfaces for Assessment of Patients with Locked-in Syndrome or Disorders of Consciousness. Springer Briefs in Electrical and Computer Engineering, 2017, , 105-125.	0.5	6
92	Validation of a Brain-Computer Interface (BCI) System Designed for Patients with Disorders of Consciousness (DOC): Regular and Sham Testing with Healthy Participants. Lecture Notes in Computer Science, 2017, , 253-265.	1.3	6
93	Brain-computer interfaces for stroke rehabilitation: summary of the 2016 BCI Meeting in Asilomar. Brain-Computer Interfaces, 2018, 5, 41-57.	1.8	6
94	The BR4IN.IO Hackathons. , 2019, , 447-473.		6
95	What External Variables Affect Sensorimotor Rhythm Brain-Computer Interface (SMR-BCI) Performance?. HCA Healthcare Journal of Medicine, 2021, 2, .	0.2	6
96	Online Classification of Motor Imagery Using EEG and fNIRS: A Hybrid Approach with Real Time Human-Computer Interaction. Communications in Computer and Information Science, 2020, , 231-238.	0.5	6
97	Editorial: Breakthrough BCI Applications in Medicine. Frontiers in Neuroscience, 2020, 14, 598247.	2.8	6
98	A dry electrode concept for SMR, P300 and SSVEP based BCIs. , 2012, , .		5
99	Effects of Repeating a Tactile Brain-Computer Interface on Patients with Disorder of Consciousness: A Hint of Recovery?*. , 2019, , .		5
100	Brain-Computer Interfaces for Assessment and Communication in Disorders of Consciousness. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 181-214.	0.4	5
101	Usability of video-overlaying SSVEP based BCIs. , 2012, , .		4
102	Highlights and Interviews with Winners. Springer Briefs in Electrical and Computer Engineering, 2020, , 107-121.	0.5	4
103	Workshops of the eighth international brain–computer interface meeting: BCIs: the next frontier. Brain-Computer Interfaces, 2022, 9, 69-101.	1.8	4
104	Can Dry EEG Sensors Improve the Usability of SMR, P300 and SSVEP Based BCIs?. Biological and Medical Physics Series, 2012, , 281-300.	0.4	3
105	How Many EEG Channels Are Optimal for a Motor Imagery Based BCI for Stroke Rehabilitation?. Biosystems and Biorobotics, 2017, , 1109-1113.	0.3	3
106	Electrocorticogram based brain–computer interfaces. , 2018, , 197-227.		3
107	Laterality Coefficient: An EEG parameter related with the functional improvement in stroke patients. , 2019, , .		3
108	Multispectrum Indocyanine Green Videography for Visualizing Brain Vascular Pathology. World Neurosurgery, 2019, 132, e545-e553.	1.3	3

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109	Evaluating a Novel P300-Based Real-Time Image Ranking BCI. Frontiers in Computer Science, 2021, 3, .	2.8	3
110	Optimizing Motor Imagery Parameters for Robotic Arm Control by Brain-Computer Interface. Brain Sciences, 2022, 12, 833.	2.3	3
111	Brain Computer Interface. , 2011, , 1003-1017.		2
112	O202 Combining the strengths of passive functional mapping and electrical cortical stimulation. Clinical Neurophysiology, 2017, 128, e243.	1.5	2
113	Recent Advances in Brain-Computer Interface Research—A Summary of the BCI Award 2016 and BCI Research Trends. Springer Briefs in Electrical and Computer Engineering, 2017, , 127-134.	0.5	2
114	Multi-modal Computer Interaction for Communication and Control Using EEG, EMG, EOG and Motion Sensors. Lecture Notes in Computer Science, 2013, , 633-641.	1.3	2
115	How Can Completely Locked-in Persons Communicate With a Brain–Computer Interface?. Frontiers for Young Minds, 2018, 6, .	0.8	1
116	EEG-Trockenelektroden und ihre Anwendungen bei BCI-Systemen. Neurophysiologie-Labor, 2019, 41, 148-155.	0.0	1
117	Towards Improved Vibro-Tactile P300 BCIs. Lecture Notes in Computer Science, 2021, , 65-74.	1.3	1
118	BCls for DOC Patients: Assessment, Communication, and New Directions. Lecture Notes in Computer Science, 2016, , 62-71.	1.3	1
119	Preliminary Results of a Brain-Computer Interface System based on Functional Electrical Stimulation and Avatar Feedback for Lower Extremity Rehabilitation of Chronic Stroke Patients. , 2020, , .		1
120	Brain Computer Interface treatment for gait rehabilitation of stroke patients – Preliminary results. , 2021, , .		1
121	Editorial: Cognitive and Motor Control Based on Brain-Computer Interfaces for Improving the Health and Well-Being in Older Age. Frontiers in Human Neuroscience, 2022, 16, 881922.	2.0	1
122	Comparing the Accuracy of a P300 Speller for People with Major Physical Disability. Lecture Notes in Computer Science, 2012, , 180-183.	1.3	0
123	Special Section: Robots, Virtual Reality, and Brain–Computer Interfaces in Telepresence Guest Editors' Introduction. Presence: Teleoperators and Virtual Environments, 2014, 23, iv-vi.	0.6	Ο
124	Unresponsive Wakefulness Syndrome Patient Communicating With Brain-Computer Interface. Archives of Physical Medicine and Rehabilitation, 2017, 98, e126-e127.	0.9	0
125	O174 Preliminary results of testing the recoveriX system on stroke patients. Clinical Neurophysiology, 2017, 128, e234-e235.	1.5	0
126	Improving Auditory Paradigms for Consciousness Detection by Brain-Computer Interfaces Technique. , 2018, , .		0

#	Article	IF	CITATIONS
127	Online Detection of Real-World Faces in ECoG Signals. , 2018, , .		0
128	A Brain-Computer Interface For Motor Rehabilitation Of Chronic Stroke Patients. Archives of Physical Medicine and Rehabilitation, 2018, 99, e36.	0.9	0
129	Assessment and Communication with Vibro-Tactile P300 And Motor Imagery Bcis in DOC and (C)LIS Patients. Archives of Physical Medicine and Rehabilitation, 2018, 99, e36.	0.9	Ο
130	Recent Advances in Brain-Computer Interface Research—A Summary of the 2017 BCI Award and BCI Research Trends. Springer Briefs in Electrical and Computer Engineering, 2019, , 115-127.	0.5	0
131	EEG Parameter During Motor Imagery for Assessing the Functional State of Stroke Patients. Archives of Physical Medicine and Rehabilitation, 2019, 100, e66-e67.	0.9	0
132	Brain-Computer Interface Research: A State-of-the-Art Summary 9. Springer Briefs in Electrical and Computer Engineering, 2021, , 1-12.	0.5	0
133	Brain-Computer Interface Research: A State-of-the-Art Summary 10. Springer Briefs in Electrical and Computer Engineering, 2021, , 1-11.	0.5	0
134	Online Classification of Cognitive Control Processes Using EEG and fNIRS: A Stroop Experiment. Lecture Notes in Computer Science, 2021, , 582-591.	1.3	0
135	Recent Advances in Brain-Computer Interface Research: A Summary of the 2019 BCI Award and Online BCI Research Activities. Springer Briefs in Electrical and Computer Engineering, 2021, , 143-150.	0.5	0
136	How Can We Train The Brain To Help Stroke Patients?. Frontiers for Young Minds, 0, 9, .	0.8	0
137	Brain–Computer Interfaces for Motor Rehabilitation, Assessment of Consciousness, and Communication. , 2018, , 89-100.		0
138	Command following assessment and communication with vibro-tactile P300 and motor imagery BCIs in patients with disorders of consciousness and locked-in syndrome Frontiers in Human Neuroscience, 0, 12, .	2.0	0
139	Feasibility of Brain-Computer Interface Triggered Functional Electrical Stimulation and Avatar for Motor Improvement in Chronic Stroke Patients. Biosystems and Biorobotics, 2019, , 1097-1100.	0.3	0
140	How Can We Trick the Brain Into Seeing Rainbows and Faces?. Frontiers for Young Minds, 0, 7, .	0.8	0
141	Posibilidades del uso de tramas artificiales de imagen motora para un BCI basado en EEG. , 0, , .		0
142	Communication for patients with disorders of consciousness with a vibro-tactile P300 brain-computer interface. , 2020, , .		0