Andrea KÃ¼bler

List of Publications by Year
in descending order

115 papers	**9,290** citations	36303 **51** h-index	40979 **93** g-index
118 all docs	**118** docs citations	**118** times ranked	**6377** citing authors

#	Article	IF	Citations
1	P300 BCI for Persons with Spinal Cord Injury: A BCI in Search of an Application?. , 2021, , 193-216.		1
2	A Tactile Brain-Computer Interface for Virtual Wheelchair Control at Home. , 2021, , .		10
3	The influence of motivation and emotion on sensorimotor rhythm‐based brain–computer interface performance. Psychophysiology, 2021, 58, e13832.	2.4	6
4	Editorial: Datasets for Brain-Computer Interface Applications. Frontiers in Neuroscience, 2021, 15, 732165.	2.8	0
5	External Validity of the Multicomponent Group Treatment KiSS for School-Aged Children With Insomnia. Behavioral Sleep Medicine, 2020, 18, 147-162.	2.1	3
6	The history of BCI: From a vision for the future to real support for personhood in people with locked-in syndrome. Neuroethics, 2020, 13, 163-180.	2.8	50
7	Mental imagery for brain-computer interface control and communication in non-responsive individuals. Annals of Physical and Rehabilitation Medicine, 2020, 63, 21-27.	2.3	13
8	Wheelchair Control in a Virtual Environment by Healthy Participants Using a P300-BCI Based on Tactile Stimulation: Training Effects and Usability. Frontiers in Human Neuroscience, 2020, 14, 265.	2.0	23
9	Reducing stimulation intensity in a visual ERP BCI to approach gaze-independent spelling. , 2020, , .		1
10	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). Brain, 2020, 143, 1674-1685.	7.6	188
11	Hearing the needs of clinical users. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 168, 353-368.	1.8	16
12	30+ years of P300 brain–computer interfaces. Psychophysiology, 2020, 57, e13569.	2.4	46
13	Imagining the P300 Speller: Good idea or nonsense?. , 2019, , .		2
14	Neural mechanisms of training an auditory event‐related potential task in a brain–computer interface context. Human Brain Mapping, 2019, 40, 2399-2412.	3.6	18
15	The Making of Brain Painting—From the Idea to Daily Life Use by People in the Locked-in State. , 2019, , 409-431.		3
16	A comparison of implicit and explicit reward learning in low risk alcohol users versus people who binge drink and people with alcohol dependence. Addictive Behaviors Reports, 2019, 9, 100178.	1.9	5
17	Ethical Principles in Patient-Centered Medical Care to Support Quality of Life in Amyotrophic Lateral Sclerosis. Frontiers in Neurology, 2019, 10, 259.	2.4	9
18	Turning negative into positives! Exploiting 'negative' results in Brain–Machine Interface (BMI) research. Brain-Computer Interfaces, 2019, 6, 178-189.	1.8	9

#	Article	IF	Citations
19	Reliable predictors of SMR BCI performance â€" Do they exist?. , 2018, , .		1
20	Psychological Predictors of Visual and Auditory P300 Brain-Computer Interface Performance. Frontiers in Neuroscience, 2018, 12, 307.	2.8	19
21	Circadian course of the P300 ERP in patients with amyotrophic lateral sclerosis - implications for brain-computer interfaces (BCI). BMC Neurology, 2017, 17, 3.	1.8	7
22	Quo vadis P300 BCI?. , 2017, , .		7
23	Basic discriminative and semantic processing in patients in the vegetative and minimally conscious state. International Journal of Psychophysiology, 2017, 113, 8-16.	1.0	20
24	A Pilot Study on the Effects of Slow Paced Breathing on Current Food Craving. Applied Psychophysiology Biofeedback, 2017, 42, 59-68.	1.7	9
25	Brain-computer interface based motor and cognitive rehabilitation after stroke â€" state of the art, opportunity, and barriers: summary of the BCI Meeting 2016 in Asilomar. Brain-Computer Interfaces, 2017, 4, 53-59.	1.8	17
26	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
27	Using Brain Painting at Home for 5 Years: Stability of the P300 During Prolonged BCI Usage by Two End-Users with ALS. Lecture Notes in Computer Science, 2017, , 282-292.	1.3	8
28	Further Evidence for the JuSt Program as Treatment for Insomnia in Adolescents: Results from a 1-Year Follow-Up Study. Journal of Clinical Sleep Medicine, 2016, 12, 257-262.	2.6	24
29	Effects of Background Music on Objective and Subjective Performance Measures in an Auditory BCI. Frontiers in Computational Neuroscience, 2016, 10, 105.	2.1	18
30	Cognitive Processing in Non-Communicative Patients: What Can Event-Related Potentials Tell Us?. Frontiers in Human Neuroscience, 2016, 10, 569.	2.0	16
31	High performance with tactile P300 BCIs. , 2016, , .		3
32	Wheelchair control by elderly participants in a virtual environment with a brain-computer interface (BCI) and tactile stimulation. Biological Psychology, 2016, 121, 117-124.	2.2	61
33	Brainâ€"Computer Interface Based Solutions for End-Users with Severe Communication Disorders. , 2016, , 217-240.		10
34	Information processing in patients in vegetative and minimally conscious states. Clinical Neurophysiology, 2016, 127, 1395-1402.	1.5	32
35	The Childrenâ€™s Sleep Comic: Psychometrics of a Self-rating Instrument for Childhood Insomnia. Child Psychiatry and Human Development, 2016, 47, 53-63.	1.9	16
36	Large-Scale Assessment of a Fully Automatic Co-Adaptive Motor Imagery-Based Brain Computer Interface. PLoS ONE, 2016, 11, e0148886.	2.5	45

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37	Psychological Factors Influencing Brain-Computer Interface (BCI) Performance. , 2015, , .		25
38	A brief intervention utilising visual feedback reduces pain and enhances tactile acuity in CLBP patients. Journal of Back and Musculoskeletal Rehabilitation, 2015, 28, 651-660.	1.1	20
39	Rapid P300 brain-computer interface communication with a head-mounted display. Frontiers in Neuroscience, 2015, 9, 207.	2.8	47
40	The WIN-speller: a new intuitive auditory brain-computer interface spelling application. Frontiers in Neuroscience, 2015, 9, 346.	2.8	20
41	Psychosocial adjustment to ALS: a longitudinal study. Frontiers in Psychology, 2015, 6, 1197.	2.1	30
42	Brain Computer Interface on Track to Home. Scientific World Journal, The, 2015, 2015, 1-17.	2.1	44
43	Independent home use of Brain Painting improves quality of life of two artists in the locked-in state diagnosed with amyotrophic lateral sclerosis. Brain-Computer Interfaces, 2015, 2, 117-134.	1.8	33
44	BNCI Horizon 2020: towards a roadmap for the BCI community. Brain-Computer Interfaces, 2015, 2, 1-10.	1.8	169
45	User-centred design in brain–computer interface research and development. Annals of Physical and Rehabilitation Medicine, 2015, 58, 312-314.	2.3	8
46	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-S61.	0.9	49
47	Proof of Principle of a Brain-Computer Interface Approach to Support Poststroke Arm Rehabilitation in Hospitalized Patients: Design, Acceptability, and Usability. Archives of Physical Medicine and Rehabilitation, 2015, 96, S71-S78.	0.9	84
48	Toward Independent Home Use of Brain-Computer Interfaces: A Decision Algorithm for Selection of Potential End-Users. Archives of Physical Medicine and Rehabilitation, 2015, 96, S27-S32.	0.9	43
49	Long-Term Independent Brain-Computer Interface Home Use Improves Quality of Life of a Patient in the Locked-In State: A Case Study. Archives of Physical Medicine and Rehabilitation, 2015, 96, S16-S26.	0.9	134
50	Comparison of eye tracking, electrooculography and an auditory brain-computer interface for binary communication: a case study with a participant in the locked-in state. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 76.	4.6	59
51	Brain-controlled applications using dynamic P300 speller matrices. Artificial Intelligence in Medicine, 2015, 63, 7-17.	6.5	46
52	Effects of Chronotype and Synchrony/Asynchrony on Creativity. Journal of Individual Differences, 2015, 36, 131-137.	1.0	6
53	Individually Adapted Imagery Improves Brain-Computer Interface Performance in End-Users with Disability. PLoS ONE, 2015, 10, e0123727.	2.5	45
54	Motor Imagery for Severely Motor-Impaired Patients: Evidence for Brain-Computer Interfacing as Superior Control Solution. PLoS ONE, 2014, 9, e104854.	2.5	69

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55	The User-Centered Design as Novel Perspective for Evaluating the Usability of BCI-Controlled Applications. PLoS ONE, 2014, 9, e112392.	2.5	151
56	Food-cue affected motor response inhibition and self-reported dieting success: a pictorial affective shifting task. Frontiers in Psychology, 2014, 5, 216.	2.1	34
57	Task instructions modulate the attentional mode affecting the auditory MMN and the semantic N400. Frontiers in Human Neuroscience, 2014, 8, 654.	2.0	38
58	Well-being in amyotrophic lateral sclerosis: a pilot experience sampling study. Frontiers in Psychology, 2014, 5, 704.	2.1	4
59	Workshops of the Fifth International Brain-Computer Interface Meeting: Defining the Future. Brain-Computer Interfaces, 2014, 1, 27-49.	1.8	35
60	A short version of the Food Cravings Questionnaireâ€"Trait: the FCQ-T-reduced. Frontiers in Psychology, 2014, 5, 190.	2.1	135
61	Toward brain-computer interface based wheelchair control utilizing tactually-evoked event-related potentials. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 7.	4.6	124
62	Effects of mental workload and fatigue on the P300, alpha and theta band power during operation of an ERP (P300) brainâ€"computer interface. Biological Psychology, 2014, 102, 118-129.	2.2	218
63	Impulsive reactions to food-cues predict subsequent food craving. Eating Behaviors, 2014, 15, 99-105.	2.0	54
64	Double trouble. Trait food craving and impulsivity interactively predict food-cue affected behavioral inhibition. Appetite, 2014, 79, 174-182.	3.7	63
65	Visuo-motor coordination ability predicts performance with brain-computer interfaces controlled by modulation of sensorimotor rhythms (SMR). Frontiers in Human Neuroscience, 2014, 8, 574.	2.0	42
66	An auditory multiclass brain-computer interface with natural stimuli: Usability evaluation with healthy participants and a motor impaired end user. Frontiers in Human Neuroscience, 2014, 8, 1039.	2.0	65
67	BNCI Horizon 2020 â€" Towards a Roadmap for Brain/Neural Computer Interaction. Lecture Notes in Computer Science, 2014, , 475-486.	1.3	15
68	Studentized continuous wavelet transform (t-CWT) in the analysis of individual ERPs: real and simulated EEG data. Frontiers in Neuroscience, 2014, 8, 279.	2.8	10
69	Implicit and explicit reward learning in chronic nicotine use. Drug and Alcohol Dependence, 2013, 129, 8-17.	3.2	13
70	Brain Painting: Usability testing according to the user-centered design in end users with severe motor paralysis. Artificial Intelligence in Medicine, 2013, 59, 99-110.	6.5	104
71	Brainâ€"computer interface controlled gaming: Evaluation of usability by severely motor restricted end-users. Artificial Intelligence in Medicine, 2013, 59, 111-120.	6.5	93
72	Facing the challenge: Bringing brainâ€"computer interfaces to end-users. Artificial Intelligence in Medicine, 2013, 59, 55-60.	6.5	27

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73	The auditory P300-based single-switch brain–computer interface: Paradigm transition from healthy subjects to minimally conscious patients. Artificial Intelligence in Medicine, 2013, 59, 81-90.	6.5	74
74	Face stimuli effectively prevent brain–computer interface inefficiency in patients with neurodegenerative disease. Clinical Neurophysiology, 2013, 124, 893-900.	1.5	138
75	Prediction of Auditory and Visual P300 Brain-Computer Interface Aptitude. PLoS ONE, 2013, 8, e53513.	2.5	60
76	Probing command following in patients with disorders of consciousness using a brain–computer interface. Clinical Neurophysiology, 2013, 124, 101-106.	1.5	217
77	Brain-computer interfacing: science fiction has come true. Brain, 2013, 136, 2001-2004.	7.6	13
78	Comparison of tactile, auditory, and visual modality for brain-computer interface use: a case study with a patient in the locked-in state. Frontiers in Neuroscience, 2013, 7, 129.	2.8	111
79	Applicability and validity of the Amnestic Comparative Self-Assessment in adolescents. Health Psychology Research, 2013, 1, 8.	1.4	1
80	Prediction of P300 BCI Aptitude in Severe Motor Impairment. PLoS ONE, 2013, 8, e76148.	2.5	16
81	Heart Rate Variability Biofeedback Reduces Food Cravings in High Food Cravers. Applied Psychophysiology Biofeedback, 2012, 37, 241-251.	1.7	60
82	Self-reported dieting success is associated with cardiac autonomic regulation in current dieters. Appetite, 2012, 59, 494-498.	3.7	20
83	High-calorie food-cues impair working memory performance in high and low food cravers. Appetite, 2012, 59, 264-269.	3.7	45
84	P300 brain computer interface: current challenges and emerging trends. Frontiers in Neuroengineering, 2012, 5, 14.	4.8	278
85	Food cravings discriminate differentially between successful and unsuccessful dieters and non-dieters. Validation of the Food Cravings Questionnaires in German. Appetite, 2012, 58, 88-97.	3.7	176
86	Restrained eating is related to accelerated reaction to high caloric foods and cardiac autonomic dysregulation. Appetite, 2012, 58, 638-644.	3.7	70
87	Differentiating between successful and unsuccessful dieters. Validity and reliability of the Perceived Self-Regulatory Success in Dieting Scale. Appetite, 2012, 58, 822-826.	3.7	83
88	Psychological predictors of SMR-BCI performance. Biological Psychology, 2012, 89, 80-86.	2.2	228
89	Brain–computer interfaces for communication with nonresponsive patients. Annals of Neurology, 2012, 72, 312-323.	5.3	100
90	Food cravings in food addiction: The distinct role of positive reinforcement. Eating Behaviors, 2012, 13, 252-255.	2.0	107

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91	Women with elevated food addiction symptoms show accelerated reactions, but no impaired inhibitory control, in response to pictures of high-calorie food-cues. Eating Behaviors, 2012, 13, 423-428.	2.0	78
92	Spelling is Just a Click Away â€" A User-Centered Brainâ€"Computer Interface Including Auto-Calibration and Predictive Text Entry. Frontiers in Neuroscience, 2012, 6, 72.	2.8	60
93	The Relationship Between Valence, Task Difficulty, and the *COMT Val*^{158}*Met* Polymorphism in Disengagement Processes. Journal of Psychophysiology, 2012, 26, 124-131.	0.7	4
94	Food cravings mediate the relationship between rigid, but not flexible control of eating behavior and dieting success. Appetite, 2011, 57, 582-584.	3.7	83
95	Enhanced behavioral inhibition in restrained eaters. Eating Behaviors, 2011, 12, 152-155.	2.0	52
96	Out of the frying pan into the fireâ€"the P300-based BCI faces real-world challenges. Progress in Brain Research, 2011, 194, 27-46.	1.4	81
97	A Brain-Computer Interface as Input Channel for a Standard Assistive Technology Software. Clinical EEG and Neuroscience, 2011, 42, 236-244.	1.7	181
98	Brain Painting: First Evaluation of a New Brainâ€"Computer Interface Application with ALS-Patients and Healthy Volunteers. Frontiers in Neuroscience, 2010, 4, 182.	2.8	133
99	Neurophysiological predictor of SMR-based BCI performance. NeuroImage, 2010, 51, 1303-1309.	4.2	576
100	A Brainâ€"Computer Interface Controlled Auditory Eventâ€Related Potential (P300) Spelling System for Lockedâ€In Patients. Annals of the New York Academy of Sciences, 2009, 1157, 90-100.	3.8	250
101	An auditory brainâ€"computer interface (BCI). Journal of Neuroscience Methods, 2008, 167, 43-50.	2.5	324
102	Brainâ€"computer interfaces in the continuum of consciousness. Current Opinion in Neurology, 2007, 20, 643-649.	3.6	58
103	Classifying EEG and ECoG signals without subject training for fast BCI implementation: comparison of nonparalyzed and completely paralyzed subjects. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 183-186.	4.9	106
104	Brain-computer interface research at the university of south Florida cognitive psychophysiology laboratory: the P300 speller. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 221-224.	4.9	695
105	Neural Internet: Web Surfing with Brain Potentials for the Completely Paralyzed. Neurorehabilitation and Neural Repair, 2006, 20, 508-515.	2.9	94
106	Severity of Depressive Symptoms and Quality of Life in Patients with Amyotrophic Lateral Sclerosis. Neurorehabilitation and Neural Repair, 2005, 19, 182-193.	2.9	133
107	Brain-computer interfaces â€" the key for the conscious brain locked into a paralyzed body. Progress in Brain Research, 2005, 150, 513-525.	1.4	71
108	Predictability of Brain-Computer Communication. Journal of Psychophysiology, 2004, 18, 121-129.	0.7	142

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109	Conscious perception of brain states: mental strategies for brain–computer communication. Neuropsychologia, 2003, 41, 1028-1036.	1.6	72
110	Training locked-in patients: a challenge for the use of brain-computer interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2003, 11, 169-172.	4.9	71
111	Modulation of slow cortical potentials by transcranial magnetic stimulation in humans. Neuroscience Letters, 2002, 324, 205-208.	2.1	14
112	Brain-computer communication: Self-regulation of slow cortical potentials for verbal communication. Archives of Physical Medicine and Rehabilitation, 2001, 82, 1533-1539.	0.9	317
113	Brain–computer communication: Unlocking the locked in.. Psychological Bulletin, 2001, 127, 358-375.	6.1	531
114	The thought translation device: a neurophysiological approach to communication in total motor paralysis. Experimental Brain Research, 1999, 124, 223-232.	1.5	247
115	A User Centred Approach for Bringing BCI Controlled Applications to End-Users. , 0, , .		18