

Boris Kotchoubey

List of Publications by Year in descending order

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103
papers

5,704
citations

94433

37
h-index

79698

73
g-index

111
all docs

111
docs citations

111
times ranked

4578
citing authors

#	ARTICLE	IF	CITATIONS
1	Information processing in severe disorders of consciousness: Vegetative state and minimally conscious state. <i>Clinical Neurophysiology</i> , 2005, 116, 2441-2453.	1.5	838
2	Brain-computer communication: Unlocking the locked in.. <i>Psychological Bulletin</i> , 2001, 127, 358-375.	6.1	531
3	Psychobiology of Altered States of Consciousness.. <i>Psychological Bulletin</i> , 2005, 131, 98-127.	6.1	327
4	Brain-computer communication: Self-regulation of slow cortical potentials for verbal communication. <i>Archives of Physical Medicine and Rehabilitation</i> , 2001, 82, 1533-1539.	0.9	317
5	A Brain-Computer Interface Controlled Auditory Event-Related Potential (P300) Spelling System for Locked-In Patients. <i>Annals of the New York Academy of Sciences</i> , 2009, 1157, 90-100.	3.8	250
6	The thought translation device: a neurophysiological approach to communication in total motor paralysis. <i>Experimental Brain Research</i> , 1999, 124, 223-232.	1.5	247
7	Modification of Slow Cortical Potentials in Patients with Refractory Epilepsy: A Controlled Outcome-Study. <i>Epilepsia</i> , 2002, 42, 406-416.	5.1	216
8	Recognition of affective prosody: Continuous wavelet measures of event-related brain potentials to emotional exclamations. <i>Psychophysiology</i> , 2004, 41, 259-268.	2.4	154
9	Methodological Problems on the Way to Integrative Human Neuroscience. <i>Frontiers in Integrative Neuroscience</i> , 2016, 10, 41.	2.1	105
10	Brain-computer interfaces for communication with nonresponsive patients. <i>Annals of Neurology</i> , 2012, 72, 312-323.	5.3	100
11	Event-related potentials, cognition, and behavior: A biological approach. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 42-65.	6.1	96
12	Cognitive reappraisal in trauma-exposed women with borderline personality disorder. <i>NeuroImage</i> , 2012, 59, 1727-1734.	4.2	88
13	Event-related potential measures of consciousness: two equations with three unknowns. <i>Progress in Brain Research</i> , 2005, 150, 427-444.	1.4	81
14	Brain areas activated in fMRI during self-regulation of slow cortical potentials (SCPs). <i>Experimental Brain Research</i> , 2003, 152, 113-122.	1.5	80
15	Mindfulness-based cognitive therapy (MBCT), cognitive style, and the temporal dynamics of frontal EEG alpha asymmetry in recurrently depressed patients. <i>Biological Psychology</i> , 2011, 88, 243-252.	2.2	72
16	Assessment of cognitive functions in severely paralyzed and severely brain-damaged patients: neuropsychological and electrophysiological methods. <i>Brain Research Protocols</i> , 2004, 14, 25-36.	1.6	71
17	Cognitive processing in completely paralyzed patients with amyotrophic lateral sclerosis. <i>European Journal of Neurology</i> , 2003, 10, 551-558.	3.3	70
18	Is there a Mind? Electrophysiology of Unconscious Patients. <i>Physiology</i> , 2002, 17, 38-42.	3.1	63

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19	Event-related brain potentials reflect increased concentration ability after mindfulness-based cognitive therapy for depression: A randomized clinical trial. <i>Psychiatry Research</i> , 2012, 199, 174-180.	3.3	63
20	Brain-computer interfaces in the continuum of consciousness. <i>Current Opinion in Neurology</i> , 2007, 20, 643-649.	3.6	58
21	Patients with unresponsive wakefulness syndrome respond to the pain cries of other people. <i>Neurology</i> , 2013, 80, 345-352.	1.1	58
22	Can Humans Perceive Their Brain States?. <i>Consciousness and Cognition</i> , 2002, 11, 98-113.	1.5	55
23	Hearing others' pain: neural activity related to empathy. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2011, 11, 386-395.	2.0	52
24	Oscillatory brain activity and maintenance of verbal and visual working memory: A systematic review. <i>Psychophysiology</i> , 2022, 59, e13735.	2.4	51
25	Apallic syndrome is not apallic: is vegetative state vegetative?. <i>Neuropsychological Rehabilitation</i> , 2005, 15, 333-356.	1.6	49
26	Mindfulness versus rumination and behavioral inhibition: A perspective from research on frontal brain asymmetry. <i>Personality and Individual Differences</i> , 2012, 53, 323-328.	2.9	49
27	The t-CWT: A new ERP detection and quantification method based on the continuous wavelet transform and Student's t-statistics. <i>Clinical Neurophysiology</i> , 2006, 117, 2627-2644.	1.5	47
28	Event-related potentials in an auditory semantic oddball task in humans. <i>Neuroscience Letters</i> , 2001, 310, 93-96.	2.1	46
29	Stability of cortical self-regulation in epilepsy patients. <i>NeuroReport</i> , 1997, 8, 1867-1870.	1.2	45
30	Global functional connectivity reveals highly significant differences between the vegetative and the minimally conscious state. <i>Journal of Neurology</i> , 2013, 260, 975-983.	3.6	45
31	Can Mental Imagery Functional Magnetic Resonance Imaging Predict Recovery in Patients With Disorders of Consciousness?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 1891-1898.	0.9	44
32	Sustained Reduction of Seizures in Patients with Intractable Epilepsy after Self-Regulation Training of Slow Cortical Potentials 10 Years After. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 604.	2.0	44
33	Brain potentials in human patients with extremely severe diffuse brain damage. <i>Neuroscience Letters</i> , 2001, 301, 37-40.	2.1	43
34	A Device for the Detection of Cognitive Brain Functions in Completely Paralyzed or Unresponsive Patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 211-220.	4.2	42
35	Deactivation of Brain Areas During Self-Regulation of Slow Cortical Potentials in Seizure Patients. <i>Applied Psychophysiology Biofeedback</i> , 2006, 31, 85-94.	1.7	41
36	Night sleep in patients with vegetative state. <i>Journal of Sleep Research</i> , 2017, 26, 629-640.	3.2	41

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37	EEG correlates of working memory performance in females. <i>BMC Neuroscience</i> , 2017, 18, 26.	1.9	41
38	Stimulus complexity enhances auditory discrimination in patients with extremely severe brain injuries. <i>Neuroscience Letters</i> , 2003, 352, 129-132.	2.1	40
39	Task instructions modulate the attentional mode affecting the auditory MMN and the semantic N400. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 654.	2.0	38
40	A Systematic Review and Meta-Analysis of the Relationship Between Brain Data and the Outcome in Disorders of Consciousness. <i>Frontiers in Neurology</i> , 2018, 9, 315.	2.4	38
41	Predictors of seizure reduction after self-regulation of slow cortical potentials as a treatment of drug-resistant epilepsy. <i>Epilepsy and Behavior</i> , 2005, 6, 156-166.	1.7	37
42	Self-initiation of EEG-based communication in paralyzed patients. <i>Clinical Neurophysiology</i> , 2001, 112, 551-554.	1.5	36
43	Recognition of affective prosody in brain-damaged patients and healthy controls: A neurophysiological study using EEG and whole-head MEG. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2009, 9, 153-167.	2.0	36
44	Approaching dysphoric mood: State-effects of mindfulness meditation on frontal brain asymmetry. <i>Biological Psychology</i> , 2013, 93, 105-113.	2.2	36
45	Sex Differences in Two Event-Related Potentials Components Related to Semantic Priming. <i>Archives of Sexual Behavior</i> , 2007, 36, 555-568.	1.9	33
46	The N400 and Late Positive Complex (LPC) Effects Reflect Controlled Rather than Automatic Mechanisms of Sentence Processing. <i>Brain Sciences</i> , 2012, 2, 267-297.	2.3	33
47	A long-term intensive behavioral treatment study in patients with persistent vegetative state or minimally conscious state. <i>Journal of Rehabilitation Medicine</i> , 2011, 43, 230-236.	1.1	32
48	Information processing in patients in vegetative and minimally conscious states. <i>Clinical Neurophysiology</i> , 2016, 127, 1395-1402.	1.5	32
49	Brain processing of pain in patients with unresponsive wakefulness syndrome. <i>Brain and Behavior</i> , 2013, 3, 95-103.	2.2	31
50	Cortical Information Processing in Coma. <i>Cognitive and Behavioral Neurology</i> , 2009, 22, 53-62.	0.9	30
51	Evidence of cortical learning in vegetative state. <i>Journal of Neurology</i> , 2006, 253, 1374-1376.	3.6	29
52	Brain responses to number sequences with and without active task requirement. <i>Clinical Neurophysiology</i> , 2002, 113, 1734-1741.	1.5	27
53	Assessing attention and cognitive function in completely locked-in state with event-related brain potentials and epidural electrocorticography. <i>Journal of Neural Engineering</i> , 2014, 11, 026006.	3.5	27
54	What kind of consciousness is minimal?. <i>Brain Injury</i> , 2014, 28, 1156-1163.	1.2	24

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55	Cortical inhibition in alexithymic patients with borderline personality disorder. <i>Biological Psychology</i> , 2011, 88, 227-232.	2.2	23
56	Human Consciousness: Where Is It From and What Is It for. <i>Frontiers in Psychology</i> , 2018, 9, 567.	2.1	23
57	Music in Research and Rehabilitation of Disorders of Consciousness: Psychological and Neurophysiological Foundations. <i>Frontiers in Psychology</i> , 2015, 6, 1763.	2.1	22
58	Evoked and event-related potentials in disorders of consciousness: A quantitative review. <i>Consciousness and Cognition</i> , 2017, 54, 155-167.	1.5	21
59	Basic discriminative and semantic processing in patients in the vegetative and minimally conscious state. <i>International Journal of Psychophysiology</i> , 2017, 113, 8-16.	1.0	20
60	Sleep in disorders of consciousness: behavioral and polysomnographic recording. <i>BMC Medicine</i> , 2020, 18, 350.	5.5	20
61	About Hens and Eggs-Perception and Action, <i>Ecology and Neuroscience: A Reply to Michaels (2000)</i> . <i>Ecological Psychology</i> , 2001, 13, 123-133.	1.1	17
62	Parallel processing of physical and lexical auditory information in humans. <i>Neuroscience Research</i> , 2003, 45, 369-374.	1.9	17
63	Changes in EEG power spectra during biofeedback of slow cortical potentials in epilepsy. <i>Applied Psychophysiology Biofeedback</i> , 1999, 24, 213-233.	1.7	16
64	Learning effects on event-related brain potentials. <i>NeuroReport</i> , 2000, 11, 3327-3331.	1.2	16
65	Cortical processing in Guillain-Barré syndrome after years of total immobility. <i>Journal of Neurology</i> , 2003, 250, 1121-1123.	3.6	16
66	Emotional electrodermal response in coma and other low-responsive patients. <i>Neuroscience Letters</i> , 2010, 475, 44-47.	2.1	16
67	Intuitive versus theory-based assessment of consciousness: The problem of low-level consciousness. <i>Clinical Neurophysiology</i> , 2011, 122, 430-432.	1.5	16
68	Instrumental methods in the diagnostics of locked-in syndrome. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 25-40.	0.7	16
69	Cognitive Processing in Non-Communicative Patients: What Can Event-Related Potentials Tell Us?. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 569.	2.0	16
70	Measuring Mindfulness: A Psychophysiological Approach. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 249.	2.0	15
71	Do Event-Related Brain Potentials Reflect Mental (Cognitive) Operations?. <i>Journal of Psychophysiology</i> , 2002, 16, 129-149.	0.7	15
72	Electrocortical and behavioral effects of chronic immobility on word processing. <i>Cognitive Brain Research</i> , 2003, 17, 188-199.	3.0	14

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73	Event-related brain potentials in a patient with akinetic mutism. <i>Neurophysiologie Clinique</i> , 2003, 33, 23-30.	2.2	14
74	True or false? Activations of language-related areas in patients with disorders of consciousness. <i>Current Pharmaceutical Design</i> , 2014, 20, 4239-47.	1.9	14
75	Beyond habituation: long-term repetition effects on visual event-related potentials in epileptic patients. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997, 103, 450-456.	0.3	13
76	Classical conditioning in oddball paradigm: A comparison between aversive and name conditioning. <i>Psychophysiology</i> , 2019, 56, e13370.	2.4	13
77	Towards a more precise neurophysiological assessment of cognitive functions in patients with disorders of consciousness. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 473-485.	0.7	12
78	Event-related potentials indicate context effect in reading ambiguous words. <i>Brain and Cognition</i> , 2014, 92, 48-60.	1.8	11
79	First love does not die: A sustaining primacy effect on ERP components in an oddball paradigm. <i>Brain Research</i> , 2014, 1556, 38-45.	2.2	11
80	The electrophysiological underpinnings of variation in verbal working memory capacity. <i>Scientific Reports</i> , 2020, 10, 16090.	3.3	11
81	Studentized continuous wavelet transform (t-CWT) in the analysis of individual ERPs: real and simulated EEG data. <i>Frontiers in Neuroscience</i> , 2014, 8, 279.	2.8	10
82	Name conditioning in event-related brain potentials. <i>Neurobiology of Learning and Memory</i> , 2017, 145, 129-134.	1.9	8
83	Flagrant Misconduct of Reviewers and Editor: A Case Study. <i>Science and Engineering Ethics</i> , 2015, 21, 829-835.	2.9	7
84	On the relationship between negative affective priming and prefrontal cognitive control mechanisms. <i>Cognition and Emotion</i> , 2016, 30, 225-244.	2.0	7
85	Effects of Transcranial Magnetic Stimulation on Body Perception: No Evidence for Specificity of the Right Temporo-Parietal Junction. <i>Brain Topography</i> , 2016, 29, 704-715.	1.8	6
86	Approaches to sleep in severely brain damaged patients: Opposite or complementary? Reply to "Sleep and Circadian Rhythms in Severely Brain-Injured Patients - A Comment". <i>Clinical Neurophysiology</i> , 2018, 129, 1785-1787.	1.5	6
87	Neuroscience Through the Looking Glass. <i>Journal of Psychophysiology</i> , 2005, 19, 234-237.	0.7	6
88	Temporally distinct oscillatory codes of retention and manipulation of verbal working memory. <i>European Journal of Neuroscience</i> , 2021, 54, 6497-6511.	2.6	5
89	Brain-Computer Interfaces for Assessment and Communication in Disorders of Consciousness. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 0, , 181-214.	0.4	5
90	Event-Related Potentials in Disorders of Consciousness. , 2015, , 107-123.		4

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91	Pragmatics, prosody, and evolution: Language is more than a symbolic system. Behavioral and Brain Sciences, 2005, 28, 136-137.	0.7	3
92	A Signature of Passivity? An Explorative Study of the N3 Event- Related Potential Component in Passive Oddball Tasks. Frontiers in Neuroscience, 2019, 13, 365.	2.8	3
93	Spatial characteristics of spontaneous and stimulus-induced individual functional connectivity networks in severe disorders of consciousness. Brain and Cognition, 2019, 131, 10-21.	1.8	3
94	Listening to factually incorrect sentences activates classical language areas and thalamus. NeuroReport, 2011, 22, 865-869.	1.2	2
95	Machine learning versus human expertise: The case of sleep stage classification in disorders of consciousness. Response to Wisłowska et al.. Clinical Neurophysiology, 2018, 129, 2682-2683.	1.5	2
96	seeing and talking: whorf wouldn't be satisfied. Behavioral and Brain Sciences, 2005, 28, 502-503.	0.7	1
97	Beyond mechanism and constructivism. Behavioral and Brain Sciences, 2008, 31, 341-342.	0.7	1
98	Prosodic phrasing in the presence of unambiguous verb information – ERP evidence from German. Neuropsychologia, 2016, 81, 31-49.	1.6	1
99	Event-related potentials in an associative word pair learning paradigm. Journal of Neurolinguistics, 2021, 59, 101001.	1.1	1
100	Life satisfaction in families with a child in an Unresponsive Wakefulness Syndrome. BMC Pediatrics, 2021, 21, 116.	1.7	0
101	Interrelationships of factors of social development are more complex than Life History Theory predicts. Behavioral and Brain Sciences, 2019, 42, e204.	0.7	0
102	Self-regulation of interhemispheric asymmetry in humans. Neuroscience Letters, 1996, 215, 91-4.	2.1	0
103	Meta-criteria to formulate criteria of consciousness. Behavioral and Brain Sciences, 2022, 45, e53.	0.7	0