Henning Budde

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Acute coordinative exercise improves attentional performance in adolescents. Neuroscience Letters, 2008, 441, 219-223.	2.1	408
2	Effects of Exercise on Anxiety and Depression Disorders: Review of Meta- Analyses and Neurobiological Mechanisms. CNS and Neurological Disorders - Drug Targets, 2014, 13, 1002-1014.	1.4	306
3	Nicotine Dependence Is Characterized by Disordered Reward Processing in a Network Driving Motivation. Biological Psychiatry, 2010, 67, 745-752.	1.3	172
4	Effects of Motor versus Cardiovascular Exercise Training on Children's Working Memory. Medicine and Science in Sports and Exercise, 2016, 48, 1144-1152.	0.4	106
5	Steroid hormones in the saliva of adolescents after different exercise intensities and their influence on working memory in a school setting. Psychoneuroendocrinology, 2010, 35, 382-391.	2.7	96
6	EEG-based Brain-Computer Interfaces: An Overview of Basic Concepts and Clinical Applications in Neurorehabilitation. Reviews in the Neurosciences, 2010, 21, 451-68.	2.9	94
7	Systematic Review of Meta-Analyses: Exercise Effects on Depression in Children and Adolescents. Frontiers in Psychiatry, 2020, 11, 81.	2.6	75
8	An Overview of the Clinical Uses, Pharmacology, and Safety of Modafinil. ACS Chemical Neuroscience, 2018, 9, 151-158.	3.5	69
9	The need for differentiating between exercise, physical activity, and training. Autoimmunity Reviews, 2016, 15, 110-111.	5.8	53
10	Integrative parietal cortex processes: Neurological and psychiatric aspects. Journal of the Neurological Sciences, 2014, 338, 12-22.	0.6	52
11	Benefits of physical activity and physical exercise in the time of pandemic Psychological Trauma: Theory, Research, Practice, and Policy, 2020, 12, S264-S266.	2.1	50
12	Physical Activity Interventions in Schools for Improving Lifestyle in European Countries. Clinical Practice and Epidemiology in Mental Health, 2015, 11, 77-101.	1.2	49
13	Intermittent Maximal Exercise Improves Attentional Performance Only in Physically Active Students. Archives of Medical Research, 2012, 43, 125-131.	3.3	47
14	Saccadic eye movement applications for psychiatric disorders. Neuropsychiatric Disease and Treatment, 2013, 9, 1393.	2.2	46
15	Hormonal responses to physical and cognitive stress in a school setting. Neuroscience Letters, 2010, 474, 131-134.	2.1	44
16	Acute effects of single dose transcranial direct current stimulation on muscle strength: A systematic review and meta-analysis. PLoS ONE, 2018, 13, e0209513.	2.5	43
17	The cortisol response to exercise in young adults. Frontiers in Behavioral Neuroscience, 2015, 9, 13.	2.0	39
18	The Value of Repetitive Transcranial Magnetic Stimulation (rTMS) for the Treatment of Anxiety Disorders: An Integrative Review. CNS and Neurological Disorders - Drug Targets, 2011, 10, 610-620.	1.4	38

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19	Influence of acute and chronic physical activity on cognitive performance and saliva testosterone in preadolescent school children. Mental Health and Physical Activity, 2013, 6, 197-204.	1.8	35
20	Effects of Exercise on Physical and Mental Health, and Cognitive and Brain Functions in Schizophrenia: Clinical and Experimental Evidence. CNS and Neurological Disorders - Drug Targets, 2015, 14, 1244-1254.	1.4	35
21	Neuroscience of Exercise: Neuroplasticity and Its Behavioral Consequences. Neural Plasticity, 2016, 2016, 1-3.	2.2	33
22	Saliva cortisol in school children after acute physical exercise. Neuroscience Letters, 2010, 483, 16-19.	2.1	30
23	Revealing the role of the endocannabinoid system modulators, SR141716A, URB597 and VDM-11, in sleep homeostasis. Neuroscience, 2016, 339, 433-449.	2.3	30
24	Standardization of exercise intensity and consideration of a dose–response is essential. Commentary on "Exercise-linked FNDC5/irisin rescues synaptic plasticity and memory defects in Alzheimer's modelsâ€, by Lourenco et al., published 2019 in Nature Medicine. Journal of Sport and Health Science, 2019, 8, 353-354.	6.5	30
25	Effects of Aerobic Exercise on Anxiety Disorders: A Systematic Review. CNS and Neurological Disorders - Drug Targets, 2015, 14, 1184-1193.	1.4	29
26	The Effect of Acute Exercise and Psychosocial Stress on Fine Motor Skills and Testosterone Concentration in the Saliva of High School Students. PLoS ONE, 2014, 9, e92953.	2.5	28
27	Physical Exercise and Immune System in the Elderly: Implications and Importance in COVID-19 Pandemic Period. Frontiers in Psychology, 2020, 11, 593903.	2.1	27
28	A Discussion on Different Approaches for Prescribing Physical Interventions – Four Roads Lead to Rome, but Which One Should We Choose?. Journal of Personalized Medicine, 2020, 10, 55.	2.5	27
29	Role of N-Arachidonoyl-Serotonin (AA-5-HT) in Sleep-Wake Cycle Architecture, Sleep Homeostasis, and Neurotransmitters Regulation. Frontiers in Molecular Neuroscience, 2017, 10, 152.	2.9	26
30	Increasing exercise's effect on mental health: Exercise intensity does matter. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11890-E11891.	7.1	26
31	Repetitive Transcranial Magnetic Stimulation (rTMS) to Treat Social Anxiety Disorder: Case Reports and a Review of the Literature. Clinical Practice and Epidemiology in Mental Health, 2013, 9, 180-188.	1.2	26
32	Sensorimotor integration and psychopathology: Motor control abnormalities related to psychiatric disorders. World Journal of Biological Psychiatry, 2011, 12, 560-573.	2.6	24
33	Physical Exercise Potentials Against Viral Diseases Like COVID-19 in the Elderly. Frontiers in Medicine, 2020, 7, 379.	2.6	24
34	Physical Activity, Boredom and Fear of COVID-19 Among Adolescents in Germany. Frontiers in Psychology, 2021, 12, 624206.	2.1	24
35	A Non-linear Relationship Between Selective Attention and Associated ERP Markers Across the Lifespan. Frontiers in Psychology, 2019, 10, 30.	2.1	22
36	Perspective of Dose and Response for Individualized Physical Exercise and Training Prescription. Journal of Functional Morphology and Kinesiology, 2020, 5, 48.	2.4	22

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37	Neuroendocrinological and neuropsychological correlates of dopaminergic function in nicotine dependence. Psychopharmacology, 2004, 175, 374-381.	3.1	21
38	Fighting obesity: Non-pharmacological interventions. Clinical Nutrition ESPEN, 2018, 25, 50-55.	1.2	21
39	The impact of an exercise training intervention on cortisol levels and post-traumatic stress disorder in juveniles from an Ugandan refugee settlement: study protocol for a randomized control trial. Trials, 2018, 19, 364.	1.6	21
40	Effects of Aerobic Exercise on Anxiety Symptoms and Cortical Activity in Patients with Panic Disorder: A Pilot Study. Clinical Practice and Epidemiology in Mental Health, 2018, 14, 11-25.	1.2	21
41	Comparison Among Aerobic Exercise and Other Types of Interventions to Treat Depression: A Systematic Review. CNS and Neurological Disorders - Drug Targets, 2015, 14, 1171-1183.	1.4	21
42	The implicit affiliation motive moderates cortisol responses to acute psychosocial stress in high school students. Psychoneuroendocrinology, 2014, 48, 162-168.	2.7	20
43	ls Mental Practice an Effective Adjunct Therapeutic Strategy for Upper Limb Motor Restoration After Stroke? A Systematic Review and Meta- Analysis. CNS and Neurological Disorders - Drug Targets, 2015, 14, 567-575.	1.4	20
44	A Randomized Controlled Trial on the Effects of Aerobic and Coordinative Training on Neural Correlates of Inhibitory Control in Children. Journal of Clinical Medicine, 2019, 8, 184.	2.4	19
45	Gamma band oscillations under influence of bromazepam during a sensorimotor integration task: An EEG coherence study. Neuroscience Letters, 2010, 469, 145-149.	2.1	18
46	Effects of Different Types of Exercise Training on the Cortisol Awakening Response in Children. Frontiers in Endocrinology, 2019, 10, 463.	3.5	18
47	Cortical Reorganization after Hand Immobilization: The beta qEEG Spectral Coherence Evidences. PLoS ONE, 2013, 8, e79912.	2.5	18
48	The Endocannabinoid System May Modulate Sleep Disorders in Aging. Current Neuropharmacology, 2020, 18, 97-108.	2.9	18
49	Systemic Injections of Cannabidiol Enhance Acetylcholine Levels from Basal Forebrain in Rats. Neurochemical Research, 2018, 43, 1511-1518.	3.3	17
50	Mental health and social isolation under repeated mild lockdowns in Japan. Scientific Reports, 2022, 12, 8452.	3.3	17
51	Commentary: Physical Exercise as Personalized Medicine for Dementia Prevention?. Frontiers in Physiology, 2019, 10, 1358.	2.8	16
52	Effects of chronic exercise on the inhibitory control of children and adolescents: A systematic review and metaâ€analysis. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1196-1208.	2.9	16
53	Causes and Consequences of Interindividual Response Variability: A Call to Apply a More Rigorous Research Design in Acute Exercise-Cognition Studies. Frontiers in Physiology, 2021, 12, 682891.	2.8	16
54	lt's About Time: The Circadian Network as Time-Keeper for Cognitive Functioning, Locomotor Activity and Mental Health. Frontiers in Physiology, 2022, 13, 873237.	2.8	16

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55	Brief Rewarming Blunts Hypothermia-Induced Alterations in Sensation, Motor Drive and Cognition. Frontiers in Physiology, 2016, 7, 592.	2.8	15
56	Does intensity or youth affect the neurobiological effect of exercise on major depressive disorder?. Neuroscience and Biobehavioral Reviews, 2018, 84, 492-494.	6.1	15
57	Psychosocial Stress But Not Exercise Increases Cortisol and Reduces State Anxiety Levels in School Classes - Results from a Stressor Applicable in Large Group Settings. CNS and Neurological Disorders - Drug Targets, 2014, 13, 1015-1020.	1.4	15
58	Low-frequency rTMS over the Parieto–frontal network during a sensorimotor task: The role of absolute beta power in the sensorimotor integration. Neuroscience Letters, 2016, 611, 1-5.	2.1	14
59	Dysregulated brain salience within a triple network model in high trait anxiety individuals: A pilot EEG functional connectivity study. International Journal of Psychophysiology, 2020, 157, 61-69.	1.0	14
60	Potential Therapeutic Effects of Physical Exercise for Bipolar Disorder. CNS and Neurological Disorders - Drug Targets, 2015, 14, 1255-1259.	1.4	14
61	Acute Affective Responses and Frontal Electroencephalographic Asymmetry to Prescribed and Self-selected Exercise. Clinical Practice and Epidemiology in Mental Health, 2016, 12, 108-119.	1.2	12
62	Responsiveness of sensorimotor cortex during pharmacological intervention with bromazepam. Neuroscience Letters, 2008, 448, 33-36.	2.1	11
63	Electrical mapping in bipolar disorder patients during the oddball paradigm. Journal of Psychiatric Research, 2016, 72, 64-71.	3.1	11
64	Sleep-wake cycle disturbances and NeuN-altered expression in adult rats after cannabidiol treatments during adolescence. Psychopharmacology, 2021, 238, 1437-1447.	3.1	11
65	The Role of Peroxisome Proliferator-Activated Receptor in Addiction: A Novel Drug Target. Current Topics in Medicinal Chemistry, 2021, 21, 964-975.	2.1	11
66	Integration of cortical areas during performance of a catching ball task. Neuroscience Letters, 2008, 446, 7-10.	2.1	10
67	Effortless Attention as a Biomarker for Experienced Mindfulness Practitioners. PLoS ONE, 2015, 10, e0138561.	2.5	10
68	Relationship Among Body Image, Anthropometric Parameters and Mental Health in Physical Education Students. Clinical Practice and Epidemiology in Mental Health, 2016, 12, 177-187.	1.2	10
69	The implicit power motive and adolescents' salivary cortisol responses to acute psychosocial stress and exercise in school. CNS and Neurological Disorders - Drug Targets, 2015, 14, 1219-1224.	1.4	10
70	CRISPR/Cas9, the Powerful New Genome-Editing Tool for Putative Therapeutics in Obesity. Journal of Molecular Neuroscience, 2018, 65, 10-16.	2.3	9
71	Draft for Clinical Practice and Epidemiology in Mental Health Neurobiological Alterations Induced by Exercise and Their Impact on Depressive Disorders. Clinical Practice and Epidemiology in Mental Health, 2010, 1, 115-125.	1.2	9
72	The Exercise Effect on Mental Health. , 0, , .		9

72 The Exercise Effect on Mental Health., 0,,.

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73	Event-related potential (P300): the effects of levetiracetam in cognitive performance. Neurological Sciences, 2021, 42, 2309-2316.	1.9	8
74	The synthetic CB1 cannabinoid receptor selective agonists: Putative medical uses and their legalization. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 110, 110301.	4.8	8
75	From Mind to Body: Is Mental Practice Effective on Strength Gains? A Meta-Analysis. CNS and Neurological Disorders - Drug Targets, 2015, 14, 1145-1151.	1.4	8
76	Physical-Exercise-Induced Antioxidant Effects on the Brain and Skeletal Muscle. Antioxidants, 2022, 11, 826.	5.1	8
77	Effects of Cardiovascular Interval Training in Healthy Elderly Subjects: A Systematic Review. Frontiers in Physiology, 2020, 11, 739.	2.8	7
78	Feasibility of an Exercise Program for Older Depressive Inpatients. GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry, 2015, 28, 163-171.	0.5	7
79	Effects of bromazepam in frontal theta activity on the performance of a sensorimotor integration task: A quantitative electroencephalography study. Neuroscience Letters, 2009, 451, 181-184.	2.1	6
80	Serotonin transporter promoter polymorphism and dopaminergic sensitivity in alcoholics. Journal of Neural Transmission, 2010, 117, 133-138.	2.8	6
81	Sleep and Neurochemical Modulation by DZNep and GSK-J1: Potential Link With Histone Methylation Status. Frontiers in Neuroscience, 2019, 13, 237.	2.8	6
82	Exercise is medicine: a new perspective for health promotion in bipolar disorder. Expert Review of Neurotherapeutics, 2020, 20, 1099-1107.	2.8	6
83	Editorial: Neuromodulation of Exercise: Impact on Different Kinds of Behavior. Frontiers in Neuroscience, 2020, 14, 455.	2.8	6
84	Gamma-band oscillations in fronto-central areas during performance of a sensorimotor integration task: A qEEG coherence study. Neuroscience Letters, 2010, 483, 114-117.	2.1	5
85	The effects of bromazepam over the temporo-parietal areas during the performance of a visuomotor task: A qEEG study. Neuroscience Letters, 2011, 496, 116-120.	2.1	5
86	Alpha-band power in the left frontal cortex discriminates the execution of fixed stimulus during saccadic eye movement. Neuroscience Letters, 2012, 523, 148-153.	2.1	5
87	COVID-19 and Quarantine: Expanding Understanding of How to Stay Physically Active at Home. Frontiers in Psychology, 2020, 11, 566032.	2.1	5
88	The effects of an exercise training on steroid hormones in preadolescent children – a moderator for enhanced cognition?. Physiology and Behavior, 2020, 227, 113168.	2.1	5
89	Neurocognitive processes mediate the relation between children's motor skills, cardiorespiratory fitness and response inhibition: Evidence from source imaging. Psychophysiology, 2021, 58, e13716. -	2.4	5
90	Interface cérebro-computador. Revista Neurociencias, 2009, 17, 329-235.	0.0	5

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91	Apomorphine-Induced Growth Hormone Response Is Attenuated by Ethanol but Not Dextromethorphan. Alcoholism: Clinical and Experimental Research, 2007, 31, 100-103.	2.4	4
92	Effects of Methylphenidate on performance of a practical pistol shooting task: a quantitative electroencephalography (qEEG) study. International Archive of Medicine, 2011, 4, 6.	1.2	4
93	The Endocannabinoid System as Modulator of Exercise Benefits in Mental Health. Current Neuropharmacology, 2021, 19, 1304-1322.	2.9	4
94	Dopaminergic drugs alter beta coherence during motor imagery and motor execution in healthy adults. Arquivos De Neuro-Psiquiatria, 2020, 78, 199-205.	0.8	4
95	Aerobic Exercise Does Not Predict Brain Derived Neurotrophic Factor And Cortisol Alterations in Depressed Patients. CNS and Neurological Disorders - Drug Targets, 2015, 14, 1116-1128.	1.4	4
96	Gamma band oscillations in parietooccipital areas during performance of a sensorimotor integration task: a qEEG coherence study. Arquivos De Neuro-Psiquiatria, 2011, 69, 304-309.	0.8	3
97	Acute Exercise and Cognition in Children and Adolescents. , 2016, , 283-294.		3
98	How high level of anxiety in Panic Disorder can interfere in working memory? A computer simulation and electrophysiological investigation. Journal of Psychiatric Research, 2017, 95, 238-246.	3.1	3
99	Blueberry intake included in hypocaloric diet decreases weight, glucose, cholesterol, triglycerides and adenosine levels in obese subjects. Journal of Functional Foods, 2019, 60, 103409.	3.4	3
100	Natural Cannabinoids as Templates for Sleep Disturbances Treatments. Advances in Experimental Medicine and Biology, 2021, 1297, 133-141.	1.6	3
101	Terapia-espelho aplicada à recuperação funcional de pacientes Pós-Acidente Vascular Cerebral. Revista Neurociencias, 2011, 19, 171-175.	0.0	3
102	Decreased Resting State Inter- and Intra-Network Functional Connectivity Is Associated with Perceived Stress in a Sample of University Students: An eLORETA Study. Neuropsychobiology, 2022, 81, 286-295.	1.9	3
103	Alpha power oscillation in the frontal cortex under Bromazepam and Modafinil effects. Arquivos De Neuro-Psiquiatria, 2015, 73, 918-923.	0.8	2
104	Commentaries on Viewpoint: Reappraisal of the acute, moderate intensity exercise-catecholamines interaction effect on speed of cognition: Role of the vagal/NTS afferent pathway. Journal of Applied Physiology, 2016, 120, 659-660.	2.5	2
105	A randomized controlled trial on the influence of two types of exercise training vs control on visuospatial processing and mathematical skills: The role of cortisol. Physiology and Behavior, 2021, 229, 113213.	2.1	2
106	Repetitive transcranial magnetic stimulation changes cognitive/motor tasks performance: An absolute alpha and beta power study. Neuroscience Letters, 2021, 753, 135866.	2.1	2
107	Comparative Study of Subcortical Atrophy in Patients with Frontotemporal Dementia and Dementia with Extrapyramidal Signs. Clinical Practice and Epidemiology in Mental Health, 2015, 11, 125-129.	1.2	2
108	Aplicações terapêuticas da estimulação cerebral por corrente contÃnua na neuroreabilitação clÃnica. Revista Neurociencias, 2009, 17, 298-300.	0.0	2

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109	Can regular physical exercise be a treatment for panic disorder? A systematic review. Expert Review of Neurotherapeutics, 2022, 22, 53-64.	2.8	2
110	The Endocannabinoid System as a Biomarker for Diagnostic and Therapeutic Applications in Depression and Anxiety. CNS and Neurological Disorders - Drug Targets, 2023, 22, 417-430.	1.4	2
111	Effect of acute game-based exercises on steroid hormones and cognitive performance in adolescents. Acta Psychologica, 2022, 226, 103584.	1.5	2
112	Changes of somatomotor and parietal regions produced by different amounts of electrical stimulation. Neuroscience Letters, 2010, 469, 150-154.	2.1	1
113	The End of Snoring? Application of CRISPR/Cas9 Genome Editing for Sleep Disorders. Sleep and Vigilance, 2018, 2, 13-21.	0.8	1
114	The retinoid X receptor: a nuclear receptor that modulates the sleep-wake cycle in rats. Psychopharmacology, 2020, 237, 2055-2073.	3.1	1
115	Methylphenidate decreases the EEG mu power in the right primary motor cortex in healthy adults during motor imagery and execution. Brain Structure and Function, 2021, 226, 1185-1193.	2.3	1
116	Effects of Manual Therapies and Resistance Exercise on Postexercise Hypotension in Women With Normal Blood Pressure. Journal of Strength and Conditioning Research, 2022, 36, 948-954.	2.1	1
117	Estimulação magnética transcraniana. Revista Neurociencias, 2011, 19, 339-348.	0.0	1
118	Alternative Strategies for Managing Insomnia: The Case of Physical Exercise and Transcranial Direct Current Stimulation. A Narrative Review. Sleep and Vigilance, 2018, 2, 39-44.	0.8	0
119	Sleep Disorders and Genes. , 2019, , 143-158.		0
120	Assessing the Management of Excessive Daytime Sleepiness by Napping Benefits. Sleep and Vigilance, 2020, 4, 117-123.	0.8	0
121	In vivo brain levels of acetylcholine and 5â€hydroxytryptamine after oleoylethanolamide or palmitoylethanolamide administrations are mediated by PPARα engagement. European Journal of Neuroscience, 2021, 54, 5932-5950.	2.6	0
122	Effects of Different Types of Exercise Training on Fine Motor Skills and Testosterone Concentration in Adolescents: A Cluster Randomized Controlled Trial. International Journal of Environmental Research and Public Health, 2021, 18, 8243.	2.6	0
123	Steroidhormones in the saliva of children after acute physical stress in school. FASEB Journal, 2012, 26, 1094.1.	0.5	0
124	Electroencephalography power spectra and electroencephalography functional connectivity in sleep. , 2022, , 111-134.		0
125	Clinical psychoinformatics. , 2022, , 255-279.		0
126	Neural Efficiency of Volleyball Players During a Saccadic Eye Movement: Task Using EEG. SSRN Electronic Journal, 0, , .	0.4	0

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127	The Computer Simulation for Triggering Anxiety in Panic Disorder Patients Modulates the EEG Alpha Power during an Oddball Task. NeuroSci, 2022, 3, 332-346.	1.2	0