Thomas F Münte

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2319291/publications.pdf

Version: 2024-02-01

138 papers 5,092 citations

34 h-index 65 g-index

146 all docs

 $\begin{array}{c} 146 \\ \\ \text{docs citations} \end{array}$

146 times ranked

6929 citing authors

#	Article	IF	CITATIONS
1	The musician's brain as a model of neuroplasticity. Nature Reviews Neuroscience, 2002, 3, 473-478.	10.2	715
2	ISLES 2015 - A public evaluation benchmark for ischemic stroke lesion segmentation from multispectral MRI. Medical Image Analysis, 2017, 35, 250-269.	11.6	360
3	Human oscillatory activity associated to reward processing in a gambling task. Neuropsychologia, 2008, 46, 241-248.	1.6	226
4	Altered Resting State Brain Networks in Parkinson's Disease. PLoS ONE, 2013, 8, e77336.	2.5	201
5	Time Course of Error Detection and Correction in Humans: Neurophysiological Evidence. Journal of Neuroscience, 2002, 22, 9990-9996.	3.6	168
6	Dopamine Agonist Increases Risk Taking but Blunts Reward-Related Brain Activity. PLoS ONE, 2008, 3, e2479.	2.5	134
7	Extra Tree forests for sub-acute ischemic stroke lesion segmentation in MR sequences. Journal of Neuroscience Methods, 2015, 240, 89-100.	2.5	132
8	The Impact of Catechol- <i>O</i> Methyltransferase and Dopamine D4 Receptor Genotypes on Neurophysiological Markers of Performance Monitoring. Journal of Neuroscience, 2007, 27, 14190-14198.	3.6	113
9	The role of high-frequency oscillatory activity in reward processing and learning. Neuroscience and Biobehavioral Reviews, 2015, 49, 1-7.	6.1	109
10	Structural neuroplasticity in expert pianists depends on the age of musical training onset. NeuroImage, 2016, 126, 106-119.	4.2	109
11	Superior auditory spatial tuning in conductors. Nature, 2001, 409, 580-580.	27.8	103
12	Reward networks in the brain as captured by connectivity measures. Frontiers in Neuroscience, 2009, 3, 350-362.	2.8	96
13	Orbitofrontal Cortex Reactivity to Angry Facial Expression in a Social Interaction Correlates with Aggressive Behavior. Cerebral Cortex, 2015, 25, 3057-3063.	2.9	93
14	Pramipexole modulates the neural network of reward anticipation. Human Brain Mapping, 2011, 32, 800-811.	3.6	86
15	Event-related EEG responses to anticipation and delivery of monetary and social reward. Biological Psychology, 2015, 109, 10-19.	2.2	83
16	Genetic Variability in the Dopamine System (Dopamine Receptor D4, Catechol-O-Methyltransferase) Modulates Neurophysiological Responses to Gains and Losses. Biological Psychiatry, 2009, 66, 154-161.	1.3	82
17	The Effects of COMT (Val108/158Met) and DRD4 (SNP-521) Dopamine Genotypes on Brain Activations Related to Valence and Magnitude of Rewards. Cerebral Cortex, 2010, 20, 1985-1996.	2.9	78
18	Noradrenergic Stimulation Enhances Human Action Monitoring. Journal of Neuroscience, 2005, 25, 4370-4374.	3.6	74

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19	Intertemporal choice in Parkinson's disease. Movement Disorders, 2011, 26, 2004-2010.	3.9	66
20	Brain activations reflect individual discount rates in intertemporal choice. Brain Research, 2010, 1320, 123-129.	2.2	64
21	Hippocampal gray matter volume in bilateral vestibular failure. Human Brain Mapping, 2016, 37, 1998-2006.	3.6	54
22	Specialization of the Specialized: Electrophysiological Investigations in Professional Musicians. Annals of the New York Academy of Sciences, 2003, 999, 131-139.	3.8	52
23	Nucleus accumbens is involved in human action monitoring: evidence from invasive electrophysiological recordings. Frontiers in Human Neuroscience, 2008, 1, 11.	2.0	52
24	Delineating the cortico-striatal-cerebellar network in implicit motor sequence learning. NeuroImage, 2014, 94, 222-230.	4.2	50
25	Potential benefits of music playing in stroke upper limb motor rehabilitation. Neuroscience and Biobehavioral Reviews, 2020, 112, 585-599.	6.1	46
26	Emotional reactivity to threat modulates activity in mentalizing network during aggression. Social Cognitive and Affective Neuroscience, 2014, 9, 1552-1560.	3.0	43
27	Altered resting-state functional connectivity in patients with chronic bilateral vestibular failure. Neurolmage: Clinical, 2014, 4, 488-499.	2.7	43
28	Tracking Functional Brain Changes in Patients with Depression under Psychodynamic Psychotherapy Using Individualized Stimuli. PLoS ONE, 2014, 9, e109037.	2.5	42
29	Neuroanatomical changes extend beyond striatal atrophy in X-linked dystonia parkinsonism. Parkinsonism and Related Disorders, 2016, 31, 91-97.	2.2	42
30	Extent of cortical involvement in amyotrophic lateral sclerosis $\hat{a} \in \hat{a}$ an analysis based on cortical thickness. BMC Neurology, 2013, 13, 148.	1.8	41
31	Increased neural reactivity to socio-emotional stimuli links social exclusion and aggression. Biological Psychology, 2014, 96, 102-110.	2.2	41
32	Multiple brain networks underpinning word learning from fluent speech revealed by independent component analysis. NeuroImage, 2015, 110, 182-193.	4.2	41
33	Basal ganglia and cerebellar pathology in X-linked dystonia-parkinsonism. Brain, 2018, 141, 2995-3008.	7.6	41
34	Quantifying the individual auditory and visual brain response in 7-month-old infants watching a brief cartoon movie. Neurolmage, 2019, 202, 116060.	4.2	40
35	Viewing socio-affective stimuli increases connectivity within an extended default mode network. Neurolmage, 2017, 148, 8-19.	4.2	39
36	Audiovisual speech integration in the superior temporal region is dysfunctional in dyslexia. Neuroscience, 2017, 356, 1-10.	2.3	38

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37	Differential effects of two motor tasks on ERPs in an auditory classification task: evidence of shared cognitive resources. Neuroscience Research, 1998, 30, 125-134.	1.9	36
38	Reduced alpha-gamma phase amplitude coupling over right parietal cortex is associated with implicit visuomotor sequence learning. Neurolmage, 2016, 141, 60-70.	4.2	36
39	Association of Locus Coeruleus and Substantia Nigra Pathology With Cognitive and Motor Functions in Patients With Parkinson Disease. Neurology, 2021, 97, e1007-e1016.	1.1	36
40	The neural basis of impulsive discounting in pathological gamblers. Brain Imaging and Behavior, 2015, 9, 887-898.	2.1	35
41	Intertemporal choice behavior is constrained by brain structure in healthy participants and pathological gamblers. Brain Structure and Function, 2016, 221, 3157-3170.	2.3	33
42	Contribution of subcortical structures to cognition assessed with invasive electrophysiology in humans. Frontiers in Neuroscience, 2008, 2, 72-85.	2.8	32
43	Massive weight loss following deep brain stimulation of the nucleus accumbens in a depressed woman. Neurocase, 2018, 24, 49-53.	0.6	31
44	Plasma proteome and metabolome characterization of an experimental human thyrotoxicosis model. BMC Medicine, 2017, 15, 6.	5.5	30
45	Excessive users of violent video games do not show emotional desensitization: an fMRI study. Brain Imaging and Behavior, 2017, 11, 736-743.	2.1	28
46	Experimentally induced thyrotoxicosis leads to increased connectivity in temporal lobe structures: A resting state fMRI study. Psychoneuroendocrinology, 2015, 56, 100-109.	2.7	27
47	Cerebellar degeneration affects cortico-cortical connectivity in motor learning networks. Neurolmage: Clinical, 2017, 16, 66-78.	2.7	27
48	Influences of Hunger, Satiety and Oral Glucose on Functional Brain Connectivity: A Multimethod Resting-State fMRI Study. Neuroscience, 2018, 382, 80-92.	2.3	27
49	Intertemporal choice in Parkinson's disease and restless legs syndrome. Parkinsonism and Related Disorders, 2015, 21, 1330-1335.	2.2	26
50	Effect of Experimental Thyrotoxicosis on Brain Gray Matter: A Voxel-Based Morphometry Study. European Thyroid Journal, 2015, 4, 113-118.	2.4	25
51	Microstructure of the superior longitudinal fasciculus predicts stimulation-induced interference with on-line motor control. Neurolmage, 2015, 120, 254-265.	4.2	25
52	Neurophysiological evidence of impaired self-monitoring in schizotypal personality disorder and its reversal by dopaminergic antagonism. Neurolmage: Clinical, 2016, 11, 770-779.	2.7	25
53	Machine Learning Based Classification of Resting-State fMRI Features Exemplified by Metabolic State (Hunger/Satiety). Frontiers in Human Neuroscience, 2019, 13, 164.	2.0	25
54	Alterations of Cognitive Functions Induced by Exogenous Application of Thyroid Hormones in Healthy Men: A Double-Blind Cross-Over Study Using Event-Related Brain Potentials. Thyroid, 2001, 11, 385-391.	4.5	24

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55	Audio-visual speech perception in adult readers with dyslexia: an fMRI study. Brain Imaging and Behavior, 2018, 12, 357-368.	2.1	23
56	Increased insula-putamen connectivity in X-linked dystonia-parkinsonism. NeuroImage: Clinical, 2018, 17, 835-846.	2.7	23
57	Neural architectures of music – Insights from acquired amusia. Neuroscience and Biobehavioral Reviews, 2019, 107, 104-114.	6.1	21
58	ICHD-3 is significantly more specific than ICHD-3 beta for diagnosis of migraine with aura and with typical aura. Journal of Headache and Pain, 2020, 21, 2.	6.0	21
59	N1 enhancement in synesthesia during visual and audio–visual perception in semantic cross-modal conflict situations: an ERP study. Frontiers in Human Neuroscience, 2014, 8, 21.	2.0	20
60	Event-related potentials and neural oscillations dissociate levels of cognitive control. Behavioural Brain Research, 2017, 320, 154-164.	2.2	19
61	Brief Sensory Training Narrows the Temporal Binding Window and Enhances Long-Term Multimodal Speech Perception. Frontiers in Psychology, 2019, 10, 2489.	2.1	19
62	Technical Note: Modulation of fMRI brainstem responses by transcutaneous vagus nerve stimulation. Neurolmage, 2021, 244, 118566.	4.2	19
63	Trait Aggressiveness Is Not Related to Structural Connectivity between Orbitofrontal Cortex and Amygdala. PLoS ONE, 2014, 9, e101105.	2.5	18
64	Structural changes in functionally illiterate adults after intensive training. Neuroscience, 2017, 344, 229-242.	2.3	18
65	The human globus pallidus internus is sensitive to rewards – Evidence from intracerebral recordings. Brain Stimulation, 2017, 10, 657-663.	1.6	17
66	Neural processing of food and monetary rewards is modulated by metabolic state. Brain Imaging and Behavior, 2018, 12, 1379-1392.	2.1	17
67	Impact of Hunger, Satiety, and Oral Glucose on the Association Between Insulin and Resting-State Human Brain Activity. Frontiers in Human Neuroscience, 2019, 13, 162.	2.0	17
68	A systematic review of body mass gain after deep brain stimulation of the subthalamic nucleus in patients with Parkinson's disease. Obesity Reviews, 2020, 21, e12955.	6.5	17
69	Structural brain changes in young males addicted to video-gaming. Brain and Cognition, 2020, 139, 105518.	1.8	17
70	Effect of Mild Thyrotoxicosis on Performance and Brain Activations in a Working Memory Task. PLoS ONE, 2016, 11, e0161552.	2.5	17
71	Winning is not enough: ventral striatum connectivity during physical aggression. Brain Imaging and Behavior, 2016, 10, 105-114.	2.1	16
72	An ERP-study of brand and no-name products. BMC Neuroscience, 2013, 14, 149.	1.9	13

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73	Experimentally induced subclinical hypothyroidism causes decreased functional connectivity of the cuneus: A resting state fMRI study. Psychoneuroendocrinology, 2019, 102, 158-163.	2.7	13
74	Behavioral deficits in left hemispatial neglect are related to a reduction of spontaneous neuronal activity in the right superior parietal lobule. Neuropsychologia, 2020, 138, 107356.	1.6	13
75	A systematic review of diffusion tensor imaging studies in obesity. Obesity Reviews, 2022, 23, e13388.	6.5	13
76	Overactivation of the supplementary motor area in chronic stroke patients. Journal of Neurophysiology, 2014, 112, 2251-2263.	1.8	12
77	Neuroimaging abnormalities in individuals exhibiting Parkinson's disease risk markers. Movement Disorders, 2018, 33, 1412-1422.	3.9	12
78	Auditory Deficits in Audiovisual Speech Perception in Adult Asperger's Syndrome: fMRI Study. Frontiers in Psychology, 2019, 10, 2286.	2.1	12
79	Effect of Short-Term Transcutaneous Vagus Nerve Stimulation (tVNS) on Brain Processing of Food Cues: An Electrophysiological Study. Frontiers in Human Neuroscience, 2020, 14, 206.	2.0	12
80	Itch Relief by Mirror Scratching. A Psychophysical Study. PLoS ONE, 2013, 8, e82756.	2.5	11
81	Patients with primary biliary cholangitis and fatigue present with depressive symptoms and selected cognitive deficits, but with normal attention performance and brain structure. PLoS ONE, 2018, 13, e0190005.	2.5	11
82	Cerebello-striatal interaction mediates effects of subthalamic nucleus deep brain stimulation in Parkinson's disease. Parkinsonism and Related Disorders, 2019, 67, 99-104.	2.2	11
83	Partial withdrawal of levothyroxine treated disease leads to brain activations and effects on performance in a working memory task: A pilot study. Journal of Neuroendocrinology, 2019, 31, e12707.	2.6	11
84	Altered alpha and theta oscillations correlate with sequential working memory in Parkinson's disease. Brain Communications, 2022, 4, .	3.3	11
85	Capitalizing on Deep Brain Stimulation: Thalamus as a Language Monitor. Neuron, 2008, 59, 677-679.	8.1	10
86	Age differences in the fronto-striato-parietal network underlying serial ordering. Neurobiology of Aging, 2020, 87, 115-124.	3.1	10
87	Modulation of visual processing of food by transcutaneous vagus nerve stimulation (tVNS). Brain Imaging and Behavior, 2021, 15, 1886-1897.	2.1	10
88	Substantia Nigra Integrity Correlates with Sequential Working Memory in Parkinson's Disease. Journal of Neuroscience, 2021, 41, 6304-6313.	3.6	10
89	LEARNING TO READ IN ADULTHOOD: AN EVALUATION OF A LITERACY PROGRAM FOR FUNCTIONALLY ILLITERATE ADULTS IN GERMANY. Problems of Education in the 21st Century, 2013, 51, 33-46.	0.7	10
90	Random Number Generation and Executive Functions in Parkinson's Disease: An Event-Related Brain PotentialÂStudy. Journal of Parkinson's Disease, 2015, 5, 613-620.	2.8	9

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91	Pramipexole Modulates Interregional Connectivity Within the Sensorimotor Network. Brain Connectivity, 2017, 7, 258-263.	1.7	9
92	On the influence of informational content and key-response effect mapping on implicit learning and error monitoring in the serial reaction time (SRT) task. Experimental Brain Research, 2018, 236, 259-273.	1.5	9
93	Antibodies against neural antigens in patients with acute stroke: joint results of three independent cohort studies. Journal of Neurology, 2019, 266, 2772-2779.	3.6	9
94	The Role of the Subthalamic Nucleus in Sequential Working Memory in De Novo Parkinson's Disease. Movement Disorders, 2021, 36, 87-95.	3.9	9
95	Enriched Music-supported Therapy for chronic stroke patients: a study protocol of a randomised controlled trial. BMC Neurology, 2021, 21, 19.	1.8	9
96	Deep Brain Stimulation as a Therapy for Alcohol Addiction. Current Topics in Behavioral Neurosciences, 2012, , 709-727.	1.7	9
97	Effects of hunger, satiety and oral glucose on effective connectivity between hypothalamus and insular cortex. Neurolmage, 2020, 217, 116931.	4.2	8
98	Auditory Stimulation Modulates Resting-State Functional Connectivity in Unresponsive Wakefulness Syndrome Patients. Frontiers in Neuroscience, 2021, 15, 554194.	2.8	7
99	Prodromal Xâ€Linked Dystoniaâ€Parkinsonism is Characterized by a Subclinical Motor Phenotype. Movement Disorders, 2022, 37, 1474-1482.	3.9	7
100	Performance monitoring during associative learning and its relation to obsessive-compulsive characteristics. Biological Psychology, 2014, 102, 73-87.	2.2	6
101	Valsalva-induced elevation of intracranial pressure selectively decouples deoxygenated hemoglobin concentration from neuronal activation and functional brain imaging capability. NeuroImage, 2017, 162, 151-161.	4.2	6
102	Development of sensitivity to orthographic errors in children: An event-related potential study. Neuroscience, 2017, 358, 349-360.	2.3	6
103	Unchanged food approachâ€avoidance behaviour of healthy men after oxytocin administration. Journal of Neuroendocrinology, 2020, 32, e12923.	2.6	6
104	Elevation of intracranial pressure affects the relationship between hemoglobin concentration and neuronal activation in human somatosensory cortex. Human Brain Mapping, 2020, 41, 2702-2716.	3.6	6
105	Altered transposition asymmetry in serial ordering in early Parkinson's disease. Parkinsonism and Related Disorders, 2019, 62, 62-67.	2.2	5
106	Single Nucleotide Polymorphisms in Thyroid Hormone Transporter Genes MCT8, MCT10 and Deiodinase DIO2 Contribute to Inter-Individual Variance of Executive Functions and Personality Traits. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 573-581.	1.2	5
107	The Suppression of Taboo Word Spoonerisms Is Associated With Altered Medial Frontal Negativity: An ERP Study. Frontiers in Human Neuroscience, 2020, 14, 368.	2.0	5
108	Brain imaging evidence for why we are numbed by numbers. Scientific Reports, 2020, 10, 9270.	3.3	5

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109	Patients with mutations of the Thyroid hormone beta-receptor show an ADHD-like phenotype for performance monitoring: an electrophysiological study. NeuroImage: Clinical, 2020, 26, 102250.	2.7	5
110	The Influence of Thyroid Hormones on Brain Structure and Function in Humans. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 432-436.	1.2	5
111	Bilateral vestibulopathy in anti-lgLON5 disease. Journal of Neurology, 2021, 268, 1114-1116.	3.6	5
112	Enhanced attentional processing during speech perception in adult high-functioning autism spectrum disorder: An ERP-study. Neuropsychologia, 2021, 161, 108022.	1.6	5
113	Sweets for my sweet: modulation of the limbic system drives salience for sweet foods after deep brain stimulation in Parkinson's disease. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 324-331.	1.9	5
114	Human subthalamic nucleus $\hat{a}\in$ "Automatic auditory change detection as a basis for action selection. Neuroscience, 2017, 355, 141-148.	2.3	4
115	Dimensional Complexity of the Resting Brain in Healthy Aging, Using a Normalized MPSE. Frontiers in Human Neuroscience, 2018, 12, 451.	2.0	4
116	Modulation of brain activity by hormonal factors in the context of ingestive behaviour. Metabolism: Clinical and Experimental, 2019, 99, 11-18.	3.4	4
117	Boosting the effect of reward on cognitive control using TMS over the left IFJ. Neuropsychologia, 2019, 125, 109-115.	1.6	4
118	Neurobiology and clinical features of impulse control failure in Parkinson's disease. Neurological Research and Practice, 2019, 1, 9.	2.0	4
119	Effects of a <scp><i>Rhodiola rosea</i></scp> extract on mental resource allocation and attention: An eventâ€related potential dual task study. Phytotherapy Research, 2020, 34, 3287-3297.	5.8	4
120	Motor Sequence Learning Deficits in Idiopathic Parkinson's Disease Are Associated With Increased Substantia Nigra Activity. Frontiers in Aging Neuroscience, 2021, 13, 685168.	3.4	4
121	Acute amnestic syndrome due to MDMA exposure. Journal of Neurology, 2016, 263, 1022-1023.	3.6	3
122	Endocrine responses and food intake in fasted individuals under the influence of glucose ingestion. PLoS ONE, 2019, 14, e0211514.	2.5	3
123	Changed functional connectivity at rest in functional illiterates after extensive literacy training. Neurological Research and Practice, 2020, 2, 12.	2.0	3
124	Effective connectivity underlying rewardâ€based executive control. Human Brain Mapping, 2021, 42, 4555-4567.	3.6	3
125	Impact of bariatric surgery on neural food processing and cognition: an fMRI study. BMJ Open, 2018, 8, e022375.	1.9	2
126	Explicit Diagnostic Criteria for Transient Ischemic Attacks Used in the Emergency Department Are Highly Sensitive and Specific. Cerebrovascular Diseases, 2021, 50, 62-67.	1.7	2

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127	Literacy Affects Brain Structure – What Can We Learn for Language Assessment in Low Literates?. Language Assessment Quarterly, 0, , 1-16.	2.0	2
128	Subthalamic Nucleus Stimulation Impairs Sequence Processing in Patients with Parkinson's Disease. Journal of Parkinson's Disease, 2021, 11, 1869-1879.	2.8	2
129	Transient Generalized Chorea in Influenza A Encephalopathy. Tremor and Other Hyperkinetic Movements, 2018, 8, 591.	2.0	2
130	Reduced pituitary size in subjects with mutations in the THRB gene and thyroid hormone resistance. Endocrine Connections, 2022, 11 , .	1.9	2
131	Five weeks of intermittent transcutaneous vagus nerve stimulation shape neural networks: a machine learning approach. Brain Imaging and Behavior, 2021, , 1.	2.1	2
132	Electrophysiology of goal-directed versus habitual control during outcome devaluation. Cortex, 2019, 119, 401-416.	2.4	1
133	Endocrine profile dataset of fasting and normally eating young, healthy men and following activation of brain areas involved in ingestive behaviour. Data in Brief, 2019, 27, 104676.	1.0	1
134	The Electrocortical Signature of Successful and Unsuccessful Deception in a Face-to-Face Social Interaction. Frontiers in Human Neuroscience, 2020, 14, 277.	2.0	1
135	Sudden headache due to perimesencephalic subarachnoid hemorrhage after self-medication with 200 mg sildenafil: Case report and discussion. Clinical Neurology and Neurosurgery, 2020, 194, 105844.	1.4	1
136	Studying Implicit Attitudes Towards Smoking: Event-Related Potentials in the Go/NoGo Association Task. Frontiers in Human Neuroscience, 2021, 15, 634994.	2.0	1
137	Detection of anti-neutrophil cytoplasmic and antinuclear autoantibodies favouring misdiagnoses in 5 cases of Erdheim-Chester disease. Clinical and Experimental Rheumatology, 2018, 36 Suppl 111, 176.	0.8	1
138	Neural Plasticity in a French Horn Player with Bilateral Amelia. Neural Plasticity, 2021, 2021, 1-9.	2.2	0