

Alexander MÃ¼nchau

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

4,536
citations

94433

37
h-index

128289

60
g-index

136
all docs

136
docs citations

136
times ranked

4497
citing authors

#	ARTICLE	IF	CITATIONS
1	The phenotypic spectrum of rapid-onset dystonia-parkinsonism (RDP) and mutations in the ATP1A3 gene. <i>Brain</i> , 2007, 130, 828-835.	7.6	251
2	Parkinson's disease in GTP cyclohydrolase 1 mutation carriers. <i>Brain</i> , 2014, 137, 2480-2492.	7.6	169
3	Neuromodulation in Tourette syndrome: Dopamine and beyond. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 1069-1084.	6.1	155
4	De Novo Coding Variants Are Strongly Associated with Tourette Disorder. <i>Neuron</i> , 2017, 94, 486-499.e9.	8.1	155
5	Clinical Spectrum of Homozygous and Heterozygous PINK1 Mutations in a Large German Family With Parkinson Disease. <i>Archives of Neurology</i> , 2006, 63, 833.	4.5	151
6	Structural changes in the somatosensory system correlate with tic severity in Gilles de la Tourette syndrome. <i>Brain</i> , 2009, 132, 765-777.	7.6	136
7	The Semiology of Tics, Tourette's, and Their Associations. <i>Movement Disorders Clinical Practice</i> , 2014, 1, 145-153.	1.5	120
8	Pharmacological treatment of tic disorders and Tourette Syndrome. <i>Neuropharmacology</i> , 2013, 68, 143-149.	4.1	118
9	Short- and long-term outcome of chronic pallidal neurostimulation in monogenic isolated dystonia. <i>Neurology</i> , 2015, 84, 895-903.	1.1	117
10	Temporal relationship between premonitory urges and tics in Gilles de la Tourette syndrome. <i>Cortex</i> , 2016, 77, 24-37.	2.4	101
11	Are premonitory urges a prerequisite of tic inhibition in Gilles de la Tourette syndrome?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 975-978.	1.9	95
12	The pathophysiology of echopraxia/echolalia: Relevance to Gilles De La Tourette syndrome. <i>Movement Disorders</i> , 2012, 27, 1222-1229.	3.9	92
13	Systematic review of severity scales and screening instruments for tics: Critique and recommendations. <i>Movement Disorders</i> , 2017, 32, 467-473.	3.9	92
14	Treatable inherited rare movement disorders. <i>Movement Disorders</i> , 2018, 33, 21-35.	3.9	79
15	Psychogenic paroxysmal movement disorders – Clinical features and diagnostic clues. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 41-46.	2.2	77
16	The neural correlates of tic inhibition in Gilles de la Tourette syndrome. <i>Neuropsychologia</i> , 2014, 65, 297-301.	1.6	75
17	Action inhibition in Tourette syndrome. <i>Movement Disorders</i> , 2014, 29, 1532-1538.	3.9	74
18	Costs of control: decreased motor cortex engagement during a Go/NoGo task in Tourette's syndrome. <i>Brain</i> , 2014, 137, 122-136.	7.6	72

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19	Mutations in <i>GNAL</i> . JAMA Neurology, 2014, 71, 490.	9.0	70
20	FAHN/SPG35: a narrow phenotypic spectrum across disease classifications. Brain, 2019, 142, 1561-1572.	7.6	70
21	Connecting EEG signal decomposition and response selection processes using the theory of event coding framework. Human Brain Mapping, 2020, 41, 2862-2877.	3.6	70
22	Increased perception-action binding in Tourette syndrome. Brain, 2020, 143, 1934-1945.	7.6	65
23	A systems neurophysiology approach to voluntary event coding. NeuroImage, 2016, 135, 324-332.	4.2	64
24	The somatotopy of tic inhibition: Where and how much?. Movement Disorders, 2015, 30, 1184-1189.	3.9	61
25	Volitional action as perceptual detection: Predictors of conscious intention in adolescents with tic disorders. Cortex, 2015, 64, 47-54.	2.4	61
26	Altered intrahemispheric structural connectivity in Gilles de la Tourette syndrome. NeuroImage: Clinical, 2014, 4, 174-181.	2.7	60
27	Movement Disorders in Treatable Inborn Errors of Metabolism. Movement Disorders, 2019, 34, 598-613.	3.9	60
28	Spatio-temporal dynamics of cortical drive to human subthalamic nucleus neurons in Parkinson's disease. Neurobiology of Disease, 2018, 112, 49-62.	4.4	58
29	The Modulating Role of Stress in the Onset and Course of Tourette's Syndrome. Behavior Modification, 2014, 38, 184-216.	1.6	54
30	Tourette Syndrome and Other Tic Disorders in Childhood, Adolescence and Adulthood. Deutsches Ärztblatt International, 2012, 109, 821-288.	0.9	52
31	Tics and Tourette syndrome â€” surplus of actions rather than disorder?. Movement Disorders, 2018, 33, 238-242.	3.9	52
32	The relation between attention and tic generation in Tourette syndrome.. Neuropsychology, 2015, 29, 658-665.	1.3	51
33	Iron overload is accompanied by mitochondrial and lysosomal dysfunction in WDR45 mutant cells. Brain, 2018, 141, 3052-3064.	7.6	51
34	Pandemic Tic-like Behaviors Following Social Media Consumption. Movement Disorders, 2021, 36, 2932-2935.	3.9	51
35	Altered perception-action binding modulates inhibitory control in Gilles de la Tourette syndrome. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2019, 60, 953-962.	5.2	46
36	Dystonia and Tremor. Neurology, 2021, 96, e563-e574.	1.1	46

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37	Is it a tic?â€”Twenty seconds to make a diagnosis. <i>Movement Disorders</i> , 2010, 25, 1106-1108.	3.9	43
38	Increased sensory feedback in Tourette syndrome. <i>NeuroImage</i> , 2012, 63, 119-125.	4.2	39
39	Transcranial Magnetic Stimulation Studies of Sensorimotor Networks in Tourette Syndrome. <i>Behavioural Neurology</i> , 2013, 27, 57-64.	2.1	39
40	Quantitative Sensory Testing in adults with Tourette syndrome. <i>Parkinsonism and Related Disorders</i> , 2016, 24, 132-136.	2.2	37
41	Striosomal dysfunction affects behavioral adaptation but not impulsivityâ€”Evidence from Xâ€linked dystoniaâ€parkinsonism. <i>Movement Disorders</i> , 2017, 32, 576-584.	3.9	37
42	Echoes from childhoodâ€imitation in Gilles de la Tourette Syndrome. <i>Movement Disorders</i> , 2012, 27, 562-565.	3.9	35
43	Striatal Microstructure and Its Relevance for Cognitive Control. <i>Trends in Cognitive Sciences</i> , 2018, 22, 747-751.	7.8	35
44	European clinical guidelines for Tourette syndrome and other tic disordersâ€”version 2.0. Part I: assessment. <i>European Child and Adolescent Psychiatry</i> , 2022, 31, 383-402.	4.7	35
45	Novel <i>GNB1</i> missense mutation in a patient with generalized dystonia, hypotonia, and intellectual disability. <i>Neurology: Genetics</i> , 2016, 2, e106.	1.9	33
46	Tics as a model of overâ€learned behaviorâ€imitation and inhibition of facial tics. <i>Movement Disorders</i> , 2016, 31, 1155-1162.	3.9	32
47	Clinical spectrum of the pentanucleotide repeat expansion in the <i>RFC1</i> gene in ataxia syndromes. <i>Neurology</i> , 2020, 95, e2912-e2923.	1.1	32
48	Quantitative Sensory Testing in adults with Autism Spectrum Disorders. <i>Journal of Autism and Developmental Disorders</i> , 2017, 47, 1183-1192.	2.7	31
49	Altered pattern of motor cortical activationâ€inhibition during voluntary movements in Tourette syndrome. <i>Movement Disorders</i> , 2010, 25, 1960-1966.	3.9	30
50	Association of Group A <i>Streptococcus</i> Exposure and Exacerbations of Chronic Tic Disorders. <i>Neurology</i> , 2021, 96, e1680-e1693.	1.1	30
51	The Basal Ganglia Striosomes Affect the Modulation of Conflicts by Subliminal Informationâ€Evidence from X-Linked Dystonia Parkinsonism. <i>Cerebral Cortex</i> , 2018, 28, 2243-2252.	2.9	29
52	Comprehensive Behavioral Intervention for Tics reduces perception-action binding during inhibitory control in Gilles de la Tourette syndrome. <i>Scientific Reports</i> , 2020, 10, 1174.	3.3	28
53	Altered perceptual binding in Gilles de la Tourette syndrome. <i>Cortex</i> , 2016, 83, 160-166.	2.4	27
54	Imitation in patients with Gilles de la Tourette syndromeâ€A behavioral study. <i>Movement Disorders</i> , 2010, 25, 991-999.	3.9	26

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55	Prefrontal cortex volume reductions and tic inhibition are unrelated in uncomplicated GTS adults. <i>Journal of Psychosomatic Research</i> , 2014, 76, 84-87.	2.6	24
56	Convergent Validity of the PUTS. <i>Frontiers in Psychiatry</i> , 2016, 7, 51.	2.6	24
57	Stronger Neural Modulation by Visual Motion Intensity in Autism Spectrum Disorders. <i>PLoS ONE</i> , 2015, 10, e0132531.	2.5	24
58	Investigation of previously implicated genetic variants in chronic tic disorders: a transmission disequilibrium test approach. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018, 268, 301-316.	3.2	23
59	Nerve ultrasound in clinical management of carpal tunnel syndrome in mucopolysaccharidosis. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 1172-1179.	2.1	22
60	Neurophysiological mechanisms underlying motor feature binding processes and representations. <i>Human Brain Mapping</i> , 2021, 42, 1313-1327.	3.6	21
61	Gilles de la Tourette Syndromeâ€™A Disorder of Action-Perception Integration. <i>Frontiers in Neurology</i> , 2020, 11, 597898.	2.4	20
62	Neural dynamics of stimulus-response representations during inhibitory control. <i>Journal of Neurophysiology</i> , 2021, 126, 680-692.	1.8	20
63	Evidence for enhanced multi-component behaviour in Tourette syndrome â€™ an EEG study. <i>Scientific Reports</i> , 2017, 7, 7722.	3.3	19
64	Increased beta rhythm as an indicator of inhibitory mechanisms in tourette syndrome. <i>Movement Disorders</i> , 2016, 31, 384-392.	3.9	18
65	Childhoodâ€™Onset Movement Disorders: A Clinical Series of 606 Cases. <i>Movement Disorders Clinical Practice</i> , 2017, 4, 437-440.	1.5	18
66	Inter-individual differences in urge-tic associations in Tourette syndrome. <i>Cortex</i> , 2021, 143, 80-91.	2.4	18
67	Non-invasive Brain Stimulation for the Treatment of Gilles de la Tourette Syndrome. <i>Frontiers in Neurology</i> , 2020, 11, 592258.	2.4	17
68	Facial twitches in ADCY5 -associated disease - Myokymia or myoclonus? An electromyography study. <i>Parkinsonism and Related Disorders</i> , 2017, 40, 73-75.	2.2	16
69	Abnormal premotorâ€™motor interaction in heterozygous Parkin - and Pink1 mutation carriers. <i>Clinical Neurophysiology</i> , 2017, 128, 275-280.	1.5	16
70	Transcranial magnetic stimulation studies of sensorimotor networks in Tourette syndrome. <i>Behavioural Neurology</i> , 2013, 27, 57-64.	2.1	16
71	Evaluating the role of TMEM230 variants in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2017, 35, 100-101.	2.2	15
72	Antibodies to neuronal surface proteins in Tourette Syndrome: Lack of evidence in a European paediatric cohort. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 665-669.	4.1	15

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73	Quantitative susceptibility mapping reveals alterations of dentate nuclei in common types of degenerative cerebellar ataxias. <i>Brain Communications</i> , 2022, 4, fcab306.	3.3	15
74	Premotor-motor excitability is altered in dopa-responsive dystonia. <i>Movement Disorders</i> , 2015, 30, 1705-1709.	3.9	14
75	Mirror me: Imitative responses in adults with autism. <i>Autism</i> , 2016, 20, 134-144.	4.1	14
76	The temporal relationship between premonitory urges and covert compulsions in patients with obsessive-compulsive disorder. <i>Psychiatry Research</i> , 2018, 262, 6-12.	3.3	14
77	Associative plasticity in supplementary motor area - motor cortex pathways in Tourette syndrome. <i>Scientific Reports</i> , 2018, 8, 11984.	3.3	14
78	Help or hurt? How attention modulates tics under different conditions. <i>Cortex</i> , 2019, 120, 471-482.	2.4	14
79	Alpha and Theta Bands Dynamics Serve Distinct Functions during Perception-Action Integration in Response Inhibition. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 1053-1069.	2.3	14
80	A recurrent de-novo ANO3 mutation causes early-onset generalized dystonia. <i>Journal of the Neurological Sciences</i> , 2019, 396, 199-201.	0.6	13
81	Learning volition: A longitudinal study of developing intentional awareness in Tourette syndrome. <i>Cortex</i> , 2020, 129, 33-40.	2.4	13
82	Cerebellar rTMS and PAS effectively induce cerebellar plasticity. <i>Scientific Reports</i> , 2021, 11, 3070.	3.3	13
83	Progressive dystonia. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 113, 1889-1897.	1.8	12
84	Abnormal interhemispheric inhibition in musician's dystonia - Trait or state?. <i>Parkinsonism and Related Disorders</i> , 2016, 25, 33-38.	2.2	12
85	Dysfunctions in striatal microstructure can enhance perceptual decision making through deficits in predictive coding. <i>Brain Structure and Function</i> , 2017, 222, 3807-3817.	2.3	12
86	Complex dystonias: an update on diagnosis and care. <i>Journal of Neural Transmission</i> , 2021, 128, 431-445.	2.8	12
87	Tourette syndrome as a motor disorder revisited - Evidence from action coding. <i>NeuroImage: Clinical</i> , 2021, 30, 102611.	2.7	12
88	Increased scale-free and aperiodic neural activity during sensorimotor integration - a novel facet in Tourette syndrome. <i>Brain Communications</i> , 2021, 3, fcab250.	3.3	11
89	A peek into premonitory urges in Tourette syndrome: Temporal evolution of neurophysiological oscillatory signatures. <i>Parkinsonism and Related Disorders</i> , 2019, 65, 153-158.	2.2	10
90	Zonisamide-responsive myoclonus in SEMA6B-associated progressive myoclonic epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1524-1527.	3.7	10

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91	Perception-action integration in young age – A cross-sectional EEG study. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100977.	4.0	10
92	Munchausen syndrome by genetics: Next-generation challenges for clinicians. <i>Neurology</i> , 2017, 88, 1000-1001.	1.1	9
93	Imitation inhibition in children with Tourette syndrome. <i>Journal of Neuropsychology</i> , 2019, 13, 82-95.	1.4	9
94	Developing the Premonitory Urges for Tic Disorders Scale – Revised (PUTS – R). <i>Journal of Neuropsychology</i> , 2021, 15, 129-142.	1.4	9
95	Adult-onset ataxia or developmental disorder with seizures: two sides of missense changes in CACNA1A. <i>Journal of Neurology</i> , 2017, 264, 1520-1522.	3.6	9
96	Neurophysiological correlates of perception – action binding in the somatosensory system. <i>Scientific Reports</i> , 2020, 10, 14794.	3.3	8
97	Neurophysiology of embedded response plans: age effects in action execution but not in feature integration from preadolescence to adulthood. <i>Journal of Neurophysiology</i> , 2021, 125, 1382-1395.	1.8	8
98	Swearing and coprophenomena – A multidimensional approach. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 126, 12-22.	6.1	8
99	Distinct Brain-Oscillatory Neuroanatomical Architecture of Perception-Action Integration in Adolescents With Tourette Syndrome. <i>Biological Psychiatry Global Open Science</i> , 2021, 1, 123-134.	2.2	8
100	A neural noise account of Gilles de la Tourette syndrome. <i>NeuroImage: Clinical</i> , 2021, 30, 102654.	2.7	8
101	Electro-Myo-Stimulation Induced Tic Exacerbation – Increased Tendencies for the Formation of Perception-Action Links in Tourette Syndrome. <i>Tremor and Other Hyperkinetic Movements</i> , 2020, 10, 41.	2.0	8
102	Clinical Practice Patterns in Tic Disorders Among Movement Disorder Society Members. <i>Tremor and Other Hyperkinetic Movements</i> , 2021, 11, 43.	2.0	8
103	Influence of L-dopa on subtle motor signs in heterozygous Parkin- and PINK1 mutation carriers. <i>Parkinsonism and Related Disorders</i> , 2017, 42, 95-99.	2.2	7
104	Predictive coding and adaptive behavior in patients with genetically determined cerebellar ataxia – A neurophysiology study. <i>NeuroImage: Clinical</i> , 2019, 24, 102043.	2.7	7
105	Lower-level associations in Gilles de la Tourette syndrome: Convergence between hyperbinding of stimulus and response features and procedural hyperfunctioning theories. <i>European Journal of Neuroscience</i> , 2021, 54, 5143-5160.	2.6	7
106	Questioning the definition of Tourette syndrome – evidence from machine learning. <i>Brain Communications</i> , 2021, 3, fcab282.	3.3	6
107	On the Role of Memory Representations in Action Control: Neurophysiological Decoding Reveals the Reactivation of Integrated Stimulus – Response Feature Representations. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 1246-1258.	2.3	6
108	Altered homodimer formation and increased iron accumulation in VAC14-related disease: Case report and review of the literature. <i>Parkinsonism and Related Disorders</i> , 2020, 80, 41-46.	2.2	5

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109	Perception-Action Integration Is Modulated by the Catecholaminergic System Depending on Learning Experience. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 592-600.	2.1	5
110	Networks in the Field of Tourette Syndrome. <i>Frontiers in Neurology</i> , 2021, 12, 624858.	2.4	5
111	Somatosensory perceptionâ€“action binding in Tourette syndrome. <i>Scientific Reports</i> , 2021, 11, 13388.	3.3	5
112	Dystonia with aphonia, slow horizontal saccades, epilepsy and photic myoclonus: A novel syndrome?. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 328-331.	2.2	4
113	Automatic aspects of response selection remain unchanged during highâ€“dose alcohol intoxication. <i>Addiction Biology</i> , 2021, 26, e12852.	2.6	4
114	Boys in a famous choir: Singing and ticcing. <i>Annals of Neurology</i> , 2017, 82, 1029-1031.	5.3	3
115	Single-pulse subthalamic deep brain stimulation reduces premotor-motor facilitation in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 224-227.	2.2	3
116	Quality and temporal properties of premonitory urges in patients with skin picking disorder. <i>Cortex</i> , 2019, 121, 125-134.	2.4	3
117	â€œTwitchingâ€“and Stiffness in <i>POLG1</i> Mutation Carriers: Red Flag or Red Herring?. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 91-93.	1.5	3
118	In Vivo Brain Sodium Disequilibrium in <scp><i>ATP1A3</i></scp>â€“Related Rapidâ€“Onset Dystoniaâ€“Parkinsonism. <i>Movement Disorders</i> , 2022, 37, 877-879.	3.9	3
119	Perceived and real tic suppression ability and its relation to impulsivity. <i>Movement Disorders</i> , 2017, 32, 1795-1796.	3.9	2
120	Investigation of geneâ€“environment interactions in relation to tic severity. <i>Journal of Neural Transmission</i> , 2021, 128, 1757-1765.	2.8	2
121	Can Tics be Performed Convincingly by an Actor?. <i>Behavioural Neurology</i> , 2014, 2014, 1-3.	2.1	1
122	Evidence of Different Neural Pathways for Motor and Vocal Tic-like Expressions in Monkeys. <i>Movement Disorders</i> , 2016, 31, 971-971.	3.9	1
123	A special issue on childhoodâ€“onset movement disorders. <i>Movement Disorders</i> , 2019, 34, 595-597.	3.9	1
124	In Reply. <i>Deutsches A&#x0308;rztblatt International</i> , 2013, 110, 285.	0.9	1
125	Subthalamic nucleus conditioning reduces premotor-motor interaction in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2022, 96, 6-12.	2.2	1
126	Recent advances in structural MRI in Parkinsonâ€“s disease and atypical parkinsonian syndromes. <i>Neurodegenerative Disease Management</i> , 2012, 2, 517-533.	2.2	0

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127	Reply to: The role of the inferior frontal cortex in hyperkinetic movement disorders. Journal of Psychosomatic Research, 2014, 76, 487-488.	2.6	0
128	Gardening gone awry: Aberrant spine pruning disrupts long-range networks. Movement Disorders, 2015, 30, 1621-1621.	3.9	0
129	Author response: Munchausen syndrome by genetics: Next-generation challenges for clinicians. Neurology, 2017, 89, 307-307.	1.1	0
130	Reply to: Double Trouble from POLG1 and CLCN1 Variants with Intrafamilial Phenotypic Heterogeneity. Movement Disorders Clinical Practice, 2020, 7, 577-578.	1.5	0