Thomas Gasser

List of Publications by Year
in descending order

72 papers	14,737 citations	87888 38 h-index	82547 72 g-index
79 all docs	79 docs citations	79 times ranked	14766 citing authors

#	Article	IF	Citations
1	Mutations in LRRK2 Cause Autosomal-Dominant Parkinsonism with Pleomorphic Pathology. Neuron, 2004, 44, 601-607.	8.1	2,653
2	Association between Early-Onset Parkinson's Disease and Mutations in theParkinGene. New England Journal of Medicine, 2000, 342, 1560-1567.	27.0	1,448
3	Identification of novel risk loci, causal insights, and heritable risk for Parkinson's disease: a meta-analysis of genome-wide association studies. Lancet Neurology, The, 2019, 18, 1091-1102.	10.2	1,414
4	Phenotype, genotype, and worldwide genetic penetrance of LRRK2-associated Parkinson's disease: a case-control study. Lancet Neurology, The, 2008, 7, 583-590.	10.2	1,340
5	Neuropathological assessment of Parkinson's disease: refining the diagnostic criteria. Lancet Neurology, The, 2009, 8, 1150-1157.	10.2	734
6	Mutations in the gene encoding É›-sarcoglycan cause myoclonusâ€“dystonia syndrome. Nature Genetics, 2001, 29, 66-69.	21.4	523
7	Comprehensive Research Synopsis and Systematic Meta-Analyses in Parkinson's Disease Genetics: The PDGene Database. PLoS Genetics, 2012, 8, e1002548.	3.5	495
8	A susceptibility locus for Parkinson's disease maps to chromosome 2p13. Nature Genetics, 1998, 18, 262-265.	21.4	486
9	Genetic Correction of a LRRK2 Mutation in Human iPSCs Links Parkinsonian Neurodegeneration to ERK-Dependent Changes in Gene Expression. Cell Stem Cell, 2013, 12, 354-367.	11.1	448
10	iPSC-derived neurons from GBA1-associated Parkinsonâ€™s disease patients show autophagic defects and impaired calcium homeostasis. Nature Communications, 2014, 5, 4028.	12.8	436
11	The natural history of multiple system atrophy: a prospective European cohort study. Lancet Neurology, The, 2013, 12, 264-274.	10.2	426
12	Derivation and Expansion Using Only Small Molecules of Human Neural Progenitors for Neurodegenerative Disease Modeling. PLoS ONE, 2013, 8, e59252.	2.5	370
13	Priorities in Parkinson's disease research. Nature Reviews Drug Discovery, 2011, 10, 377-393.	46.4	364
14	Clinical Characteristics and Frequency of the Hereditary Restless Legs Syndrome in a Population of 300 Patients. Sleep, 2000, 23, 1-6.	1.1	299
15	Parkinson's disease age at onset genomeâ€wide association study: Defining heritability, genetic loci, and Î±â€synuclein mechanisms. Movement Disorders, 2019, 34, 866-875.	3.9	258
16	GBAâ€associated Parkinson's disease: Reduced survival and more rapid progression in a prospective longitudinal study. Movement Disorders, 2015, 30, 407-411.	3.9	214
17	Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. Nature Genetics, 2021, 53, 294-303.	21.4	198
18	Novel mutation in the TOR1A (DYT1) gene in atypical, early onset dystonia and polymorphisms in dystonia and early onset parkinsonism. Neurogenetics, 2001, 3, 133-143.	1.4	155

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19	Genetic modifiers of risk and age at onset in GBA associated Parkinsonâ€™s disease and Lewy body dementia. Brain, 2020, 143, 234-248.	7.6	149
20	Milestones in PD genetics. Movement Disorders, 2011, 26, 1042-1048.	3.9	147
21	Myoclonus-dystonia syndrome: Îµ-sarcoglycan mutations and phenotype. Annals of Neurology, 2002, 52, 489-492.	5.3	143
22	Genetics of Parkinson's disease. Journal of Neurology, 2001, 248, 833-840.	3.6	142
23	Clinical symptoms and possible anticipation in a large kindred of familial restless legs syndrome. Movement Disorders, 1996, 11, 389-394.	3.9	127
24	Small in-frame deletions and missense mutations in CADASIL: 3D models predict misfolding of Notch3v EGF-like repeat domains. European Journal of Human Genetics, 2000, 8, 280-285.	2.8	125
25	Polygenic risk of <scp>P</scp>arkinson disease is correlated with disease age at onset. Annals of Neurology, 2015, 77, 582-591.	5.3	115
26	NeuroChip, an updated version of the NeuroX genotyping platform to rapidly screen for variants associated with neurological diseases. Neurobiology of Aging, 2017, 57, 247.e9-247.e13.	3.1	108
27	The ?-synuclein Ala53Thr mutation is not a common cause of familial Parkinson's disease: A study of 230 European cases. Annals of Neurology, 1998, 44, 270-273.	5.3	91
28	A nonsynonymous mutation in PLCG2 reduces the risk of Alzheimerâ€™s disease, dementia with Lewy bodies and frontotemporal dementia, and increases the likelihood of longevity. Acta Neuropathologica, 2019, 138, 237-250.	7.7	87
29	123I-IBZM binding compared with long-term clinical follow up in patients with de novo parkinsonism. Movement Disorders, 1998, 13, 16-19.	3.9	79
30	In-vivo evidence that high mobility group box 1 exerts deleterious effects in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model and Parkinson's disease which can be attenuated by glycyrrhizin. Neurobiology of Disease, 2016, 91, 59-68.	4.4	78
31	Metformin reverses TRAP1 mutation-associated alterations in mitochondrial function in Parkinsonâ€™s disease. Brain, 2017, 140, 2444-2459.	7.6	76
32	The endocytic membrane trafficking pathway plays a major role in the risk of Parkinson's disease. Movement Disorders, 2019, 34, 460-468.	3.9	66
33	Clinical and brain imaging characteristics in leucineâ€rich repeat kinase 2â€“associated PD and asymptomatic mutation carriers. Movement Disorders, 2011, 26, 2335-2342.	3.9	65
34	GAG deletion in the DYT1 gene in early limb-onset idiopathic torsion dystonia in Germany. Movement Disorders, 1999, 14, 681-683.	3.9	59
35	Penetrance of Parkinson's Disease in LRRK2 p.G2019S Carriers Is Modified by a Polygenic Risk Score. Movement Disorders, 2020, 35, 774-780.	3.9	57
36	A Novel SNCA A30G Mutation Causes Familial ParkinsonÊ¼s Disease. Movement Disorders, 2021, 36, 1624-1633.	3.9	54

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37	Inherited myoclonus-dystonia syndrome: Narrowing the 7q21-q31 locus in German families. Annals of Neurology, 2001, 49, 121-124.	5.3	49
38	Association between CSF alpha-synuclein seeding activity and genetic status in Parkinsonâ€™s disease and dementia with Lewy bodies. Acta Neuropathologica Communications, 2021, 9, 175.	5.2	49
39	Insulin sensitivity predicts cognitive decline in individuals with prediabetes. BMJ Open Diabetes Research and Care, 2020, 8, e001741.	2.8	42
40	State of the art review: Molecular diagnosis of inherited movement disorders.MovementDisorders Society task force on molecular diagnosis. Movement Disorders, 2003, 18, 3-18.	3.9	40
41	The Mutation Matters: <scp>CSF</scp> Profiles of <scp>GCase</scp>, Sphingolipids, Î±â€Synuclein in <scp>PD_{GBA}</scp>. Movement Disorders, 2021, 36, 1216-1228.	3.9	40
42	Comparable Autoantibody Serum Levels against Amyloid- and Inflammation-Associated Proteins in Parkinsonâ€™s Disease Patients and Controls. PLoS ONE, 2014, 9, e88604.	2.5	36
43	<scp>CSF NFL</scp> in a Longitudinally Assessed <scp>PD</scp> Cohort: Age Effects and Cognitive Trajectories. Movement Disorders, 2020, 35, 1138-1144.	3.9	36
44	Parkinson's Disease: Glucocerebrosidase 1 Mutation Severity Is Associated with CSF Alphaâ€Synuclein Profiles. Movement Disorders, 2020, 35, 495-499.	3.9	32
45	Genomewide Association Studies of <scp>LRRK2</scp> Modifiers of Parkinson's Disease. Annals of Neurology, 2021, 90, 76-88.	5.3	30
46	Dementia with lewy bodies: GBA1 mutations are associated with cerebrospinal fluid alphaâ€synuclein profile. Movement Disorders, 2019, 34, 1069-1073.	3.9	24
47	A patient-based model of RNA mis-splicing uncovers treatment targets in Parkinsonâ€™s disease. Science Translational Medicine, 2020, 12, .	12.4	24
48	EIF4G1is neither a strong nor a common risk factor for Parkinson's disease: evidence from large European cohorts: Table1. Journal of Medical Genetics, 2015, 52, 37-41.	3.2	23
49	Recommendations of the Global Multiple System Atrophy Research Roadmap Meeting. Neurology, 2018, 90, 74-82.	1.1	23
50	Cervical dystonia in monozygotic twins: Case report and review of the literature. Movement Disorders, 2001, 16, 714-718.	3.9	20
51	Generation of iPSCs carrying a common LRRK2 risk allele for in vitro modeling of idiopathic Parkinson's disease. PLoS ONE, 2018, 13, e0192497.	2.5	20
52	Human Dopaminergic Neurons Lacking PINK1 Exhibit Disrupted Dopamine Metabolism Related to Vitamin B6 Co-Factors. IScience, 2020, 23, 101797.	4.1	20
53	Cognitive impairment in Glucocerebrosidase (GBA)â€associated PD: Not primarily associated with cerebrospinal fluid Abeta and Tau profiles. Movement Disorders, 2017, 32, 1780-1783.	3.9	19
54	Î±2-Macroglobulin, lipoprotein receptor-related protein and lipoprotein receptor-associated protein and the genetic risk for developing Alzheimer's disease. Neuroscience Letters, 2006, 400, 187-190.	2.1	18

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55	Overview of the genetics of parkinsonism. Advances in Neurology, 2003, 91, 143-52.	0.8	18
56	CSF and Serum Levels of Inflammatory Markers in PD: Sparse Correlation, Sex Differences and Association With Neurodegenerative Biomarkers. Frontiers in Neurology, 2022, 13, 834580.	2.4	17
57	<scp>CSF</scp> Protein Level of Neurotransmitter Secretion, Synaptic Plasticity, and Autophagy in <scp>PD</scp> and <scp>DLB</scp>. Movement Disorders, 2021, 36, 2595-2604.	3.9	15
58	Parkinsonâ€™s disease: evolution of cognitive impairment and CSF AÎ²_{1â€“42} profiles in a prospective longitudinal study. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 165-170.	1.9	14
59	SNPs in AÎ² clearance proteins. Neurology, 2017, 89, 2335-2340.	1.1	13
60	The longevity gene Klotho and its cerebrospinal fluid protein profiles as a modifier for ParkinsonÂ´s disease. European Journal of Neurology, 2021, 28, 1557-1565.	3.3	12
61	Polygenic Risk Scores Contribute to Personalized Medicine of Parkinsonâ€™s Disease. Journal of Personalized Medicine, 2021, 11, 1030.	2.5	12
62	Polygenic load: Earlier disease onset but similar longitudinal progression in Parkinson's disease. Movement Disorders, 2018, 33, 1349-1353.	3.9	10
63	MAPT p.V363I mutation. Neurology: Genetics, 2019, 5, e347.	1.9	10
64	Fruit flies, bile acids, and Parkinson disease. Neurology, 2015, 85, 838-839.	1.1	9
65	Functional Characterization of Rare RAB12 Variants and Their Role in Musicianâ€™s and Other Dystonias. Genes, 2017, 8, 276.	2.4	7
66	Needs and Requirements of Modern Biobanks on the Example of Dystonia Syndromes. Frontiers in Neurology, 2017, 8, 9.	2.4	6
67	Parkinson Disease and Other Synucleinopathies. , 2015, , 281-302.		5
68	The Discovery of LRRK2 Mutations as a Cause of Parkinson's Disease. Movement Disorders, 2020, 35, 551-554.	3.9	5
69	Epsilon-sarcoglycan is not involved in sporadic Gilles de la Tourette syndrome. Neurogenetics, 2005, 6, 55-56.	1.4	3
70	Genetics of parkinsonism. , 2005, , 586-597.		1
71	Cholinergic Pathway SNPs and Postural Control in 477 Older Adults. Frontiers in Aging Neuroscience, 2018, 10, 260.	3.4	1
72	Reply to: â€œÎ±â€Synuclein (<scp>SNCA</scp>) <scp>A30G</scp> Mutation as a Cause of a Complex Phenotype Without Parkinsonismâ€• Movement Disorders, 2021, 36, 2212-2213.	3.9	0