Fritz Zimprich

List of Publications by Year
in descending order

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Version: 2024-02-01

134 papers	22,948 citations	46918 47 h-index	12910 131 g-index
142 all docs	142 docs citations	142 times ranked	32296 citing authors

#	Article	IF	Citations
1	Biological insights from 108 schizophrenia-associated genetic loci. Nature, 2014, 511, 421-427.	13.7	6,934
2	LD Score regression distinguishes confounding from polygenicity in genome-wide association studies. Nature Genetics, 2015, 47, 291-295.	9.4	3,905
3	Modeling Linkage Disequilibrium Increases Accuracy of Polygenic Risk Scores. American Journal of Human Genetics, 2015, 97, 576-592.	2.6	1,098
4	Analysis of shared heritability in common disorders of the brain. Science, 2018, 360, .	6.0	1,085
5	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. Nature, 2022, 604, 502-508.	13.7	929
6	A Mutation in VPS35, Encoding a Subunit of the Retromer Complex, Causes Late-Onset Parkinson Disease. American Journal of Human Genetics, 2011, 89, 168-175.	2.6	757
7	Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. Cell, 2018, 173, 1705-1715.e16.	13.5	623
8	Partitioning Heritability of Regulatory and Cell-Type-Specific Variants across 11 Common Diseases. American Journal of Human Genetics, 2014, 95, 535-552.	2.6	569
9	15q13.3 microdeletions increase risk of idiopathic generalized epilepsy. Nature Genetics, 2009, 41, 160-162.	9.4	511
10	Recurrent microdeletions at 15q11.2 and 16p13.11 predispose to idiopathic generalized epilepsies. Brain, 2010, 133, 23-32.	3.7	406
11	Mutations in GRIN2A cause idiopathic focal epilepsy with rolandic spikes. Nature Genetics, 2013, 45, 1067-1072.	9.4	391
12	Genome-wide mega-analysis identifies 16 loci and highlights diverse biological mechanisms in the common epilepsies. Nature Communications, 2018, 9, 5269.	5.8	331
13	Genetic Structure of Europeans: A View from the Northâ€“East. PLoS ONE, 2009, 4, e5472.	1.1	279
14	Genetic determinants of common epilepsies: a meta-analysis of genome-wide association studies. Lancet Neurology, The, 2014, 13, 893-903.	4.9	264
15	The clinical impact of pharmacogenetics on the treatment of epilepsy. Epilepsia, 2009, 50, 1-23.	2.6	226
16	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. Nature Neuroscience, 2016, 19, 420-431.	7.1	204
17	Microglial cells are a component of the perivascular glia limitans. Journal of Neuroscience Research, 1991, 28, 236-243.	1.3	186
18	Clinical features, pathogenesis, and treatment of myasthenia gravis: a supplement to the Guidelines of the German Neurological Society. Journal of Neurology, 2016, 263, 1473-1494.	1.8	179

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19	Epilepsy, hippocampal sclerosis and febrile seizures linked by common genetic variation around SCN1A. Brain, 2013, 136, 3140-3150.	3.7	168
20	Ancient and Recent Positive Selection Transformed Opioid cis-Regulation in Humans. PLoS Biology, 2005, 3, e387.	2.6	155
21	Monogenic variants in dystonia: an exome-wide sequencing study. Lancet Neurology, The, 2020, 19, 908-918.	4.9	139
22	Autosomal recessive cortical myoclonic tremor and epilepsy: association with a mutation in the potassium channel associated gene CNTN2. Brain, 2013, 136, 1155-1160.	3.7	137
23	Genome-wide association analysis of genetic generalized epilepsies implicates susceptibility loci at 1q43, 2p16.1, 2q22.3 and 17q21.32. Human Molecular Genetics, 2012, 21, 5359-5372.	1.4	134
24	Pharmacoresistance in Epilepsy: A Pilot PET Study with the P-Glycoprotein Substrate R -[11 C]verapamil. Epilepsia, 2007, 48, 1774-1784.	2.6	119
25	Estimation of Genetic Correlation via Linkage Disequilibrium Score Regression and Genomic Restricted Maximum Likelihood. American Journal of Human Genetics, 2018, 102, 1185-1194.	2.6	119
26	Genetic correlation between amyotrophic lateral sclerosis and schizophrenia. Nature Communications, 2017, 8, 14774.	5.8	114
27	DEPDC5 mutations in genetic focal epilepsies of childhood. Annals of Neurology, 2014, 75, 788-792.	2.8	105
28	Inclusion body myopathy and Paget disease is linked to a novel mutation in the VCP gene. Neurology, 2005, 65, 1304-1305.	1.5	101
29	Immunohistochemical localization of the Î±1, Î±2 and Î±3 subunit of the GABAA receptor in the rat brain. Neuroscience Letters, 1991, 127, 125-128.	1.0	99
30	A functional polymorphism in the prodynorphin gene promotor is associated with temporal lobe epilepsy. Annals of Neurology, 2002, 51, 260-263.	2.8	94
31	RBFOX1 and RBFOX3 Mutations in Rolandic Epilepsy. PLoS ONE, 2013, 8, e73323.	1.1	94
32	Burden Analysis of Rare Microdeletions Suggests a Strong Impact of Neurodevelopmental Genes in Genetic Generalised Epilepsies. PLoS Genetics, 2015, 11, e1005226.	1.5	91
33	Expression of Adhesion Molecules and Histocompatibility Antigens at the Bloodâ€Brain Barrier. Brain Pathology, 1991, 1, 115-123.	2.1	79
34	Rare coding variants in genes encoding GABAA receptors in genetic generalised epilepsies: an exome-based case-control study. Lancet Neurology, The, 2018, 17, 699-708.	4.9	67
35	Genetic characterization of northeastern Italian population isolates in the context of broader European genetic diversity. European Journal of Human Genetics, 2013, 21, 659-665.	1.4	64
36	Idiopathic generalized epilepsy phenotypes associated with different EFHC1 mutations. Neurology, 2006, 67, 2029-2031.	1.5	63

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37	Clinical Seizure Lateralization in Frontal Lobe Epilepsy. Epilepsia, 2007, 48, 517-523.	2.6	63
38	16p11.2 600 kb Duplications confer risk for typical and atypical Rolandic epilepsy. Human Molecular Genetics, 2014, 23, 6069-6080.	1.4	61
39	A novel mutation in the VCP gene (G157R) in a german family with inclusionâ€body myopathy with paget disease of bone and frontotemporal dementia. Muscle and Nerve, 2009, 39, 389-391.	1.0	60
40	Rare exonic deletions of the <scp>RBFOX1</scp> gene increase risk of idiopathic generalized epilepsy. Epilepsia, 2013, 54, 265-271.	2.6	59
41	Exonâ€disrupting deletions of <scp>NRXN1</scp> in idiopathic generalized epilepsy. Epilepsia, 2013, 54, 256-264.	2.6	59
42	High efficacy of rituximab for myasthenia gravis: a comprehensive nationwide study in Austria. Journal of Neurology, 2019, 266, 699-706.	1.8	56
43	Analysis of four prevalent filaggrin mutations (R501X, 2282del4, R2447X and S3247X) in Austrian and German patients with atopic dermatitis. Journal of the European Academy of Dermatology and Venereology, 2010, 24, 607-610.	1.3	54
44	Carbamazepineâ€•and oxcarbazepineâ€induced hyponatremia in people with epilepsy. Epilepsia, 2017, 58, 1227-1233.	2.6	54
45	Rare variants in Î³â€aminobutyric acid type <scp>A</scp> receptor genes in rolandic epilepsy and related syndromes. Annals of Neurology, 2015, 77, 972-986.	2.8	51
46	A splice site variant in the sodium channel gene SCN1A confers risk of febrile seizures. Neurology, 2009, 72, 974-978.	1.5	50
47	Analysis of ELP4, SRPX2, and interacting genes in typical and atypical rolandic epilepsy. Epilepsia, 2014, 55, e89-93.	2.6	50
48	A functional polymorphism in the SCN1A gene is not associated with carbamazepine dosages in Austrian patients with epilepsy. Epilepsia, 2008, 49, 1108-1109.	2.6	48
49	Antibodies to the Caspr1/contactin-1 complex in chronic inflammatory demyelinating polyradiculoneuropathy. Brain, 2021, 144, 1183-1196.	3.7	46
50	Investigation of GRIN2A in common epilepsy phenotypes. Epilepsy Research, 2015, 115, 95-99.	0.8	44
51	Increased serum neurofilament light chain concentration indicates poor outcome in Guillain-BarrÃ© syndrome. Journal of Neuroinflammation, 2020, 17, 86.	3.1	44
52	Epidemiology of Amyotrophic Lateral Sclerosis and Effect of Riluzole on Disease Course. Neuroepidemiology, 2015, 44, 6-15.	1.1	39
53	Mutations outside the N-terminal part of RBCK1 may cause polyglucosan body myopathy with immunological dysfunction: expanding the genotypeâ€“phenotype spectrum. Journal of Neurology, 2018, 265, 394-401.	1.8	36
54	A novel mutation in the MFSD8 gene in late infantile neuronal ceroid lipofuscinosis. Neurogenetics, 2009, 10, 73-77.	0.7	33

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55	Lack of association between ABCC2 gene variants and treatment response in epilepsy. Pharmacogenomics, 2012, 13, 185-190.	0.6	33
56	Genomeâ€wide linkage metaâ€analysis identifies susceptibility loci at 2q34 and 13q31.3 for genetic generalized epilepsies. Epilepsia, 2012, 53, 308-318.	2.6	32
57	Buffering intracellular calcium disrupts motoneuron development in intact zebrafish embryos. Developmental Brain Research, 2001, 129, 169-179.	2.1	31
58	Psychoses in epilepsy: A comparison of postictal and interictal psychoses. Epilepsy and Behavior, 2016, 60, 58-62.	0.9	31
59	The stigma of mental illness: Anticipation and attitudes among patients with epileptic, dissociative or somatoform pain disorder. International Review of Psychiatry, 2007, 19, 123-129.	1.4	30
60	The effect of early prednisolone treatment on the generalization rate in ocular myasthenia gravis. European Journal of Neurology, 2013, 20, 708-713.	1.7	30
61	Clinical and Laboratory Features in Anti-NF155 Autoimmune Nodopathy. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	3.1	30
62	Coronavirus induced primary demyelination: indications for the involvement of a humoral immune response. Neuropathology and Applied Neurobiology, 1991, 17, 469-484.	1.8	29
63	B Cell Depletion and <scp>SARSâ€CoV</scp>â€2 Vaccine Responses in Neuroimmunologic Patients. Annals of Neurology, 2022, 91, 342-352.	2.8	29
64	Altered expression of voltage-dependent calcium channel Î±1 subunits in temporal lobe epilepsy with Ammonâ€™s horn sclerosis. Neuroscience, 2002, 111, 57-69.	1.1	28
65	Epidemiology of myasthenia gravis in Austria: rising prevalence in an ageing society. Wiener Klinische Wochenschrift, 2012, 124, 763-768.	1.0	28
66	The TGFâ€b/SOX4 axis and ROSâ€driven autophagy coâ€mediate CD39 expression in regulatory Tâ€cells. FASEB Journal, 2020, 34, 8367-8384.	0.2	28
67	Comparative effectiveness of antiepileptic drugs in patients with mesial temporal lobe epilepsy with hippocampal sclerosis. Epilepsia, 2017, 58, 1734-1741.	2.6	26
68	An autosomal dominant early adult-onset distal muscular dystrophy. Muscle and Nerve, 2000, 23, 1876-1879.	1.0	25
69	Andreas Rett and benign familial neonatal convulsions revisited. Neurology, 2006, 67, 864-866.	1.5	25
70	Hereditary spastic paraplegia caused by compound heterozygous mutations outside the motor domain of the KIF1A gene. European Journal of Neurology, 2017, 24, 741-747.	1.7	25
71	Functional Variant in Complement C3 Gene Promoter and Genetic Susceptibility to Temporal Lobe Epilepsy and Febrile Seizures. PLoS ONE, 2010, 5, e12740.	1.1	25
72	No Reliable Association between Runs of Homozygosity and Schizophrenia in a Well-Powered Replication Study. PLoS Genetics, 2016, 12, e1006343.	1.5	24

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73	Role of LINGO1 polymorphisms in Parkinson's disease. Movement Disorders, 2009, 24, 2404-2407.	2.2	23
74	Mutations in the CLCN2 gene are a rare cause of idiopathic generalized epilepsy syndromes. Neurogenetics, 2006, 7, 265-268.	0.7	22
75	Novel SCARB2 mutation in action myoclonus-renal failure syndrome and evaluation of SCARB2mutations in isolated AMRF features. BMC Neurology, 2011, 11, 134.	0.8	22
76	Heterogeneous contribution of microdeletions in the development of common generalised and focal epilepsies. Journal of Medical Genetics, 2017, 54, 598-606.	1.5	22
77	Exome-wide analysis of mutational burden in patients with typical and atypical Rolandic epilepsy. European Journal of Human Genetics, 2018, 26, 258-264.	1.4	22
78	Frequency and clinical features of treatment-refractory myasthenia gravis. Journal of Neurology, 2020, 267, 1004-1011.	1.8	22
79	Testing association of rare genetic variants with resistance to three common antiseizure medications. Epilepsia, 2020, 61, 657-666.	2.6	22
80	Evaluation of Presumably Disease Causing SCN1A Variants in a Cohort of Common Epilepsy Syndromes. PLoS ONE, 2016, 11, e0150426.	1.1	22
81	From Eugenic Euthanasia to Habilitation of ``Disabled'' Children: Andreas Rett's Contribution. Journal of Child Neurology, 2009, 24, 115-127.	0.7	21
82	Management of Autoimmune Encephalitis: An Observational Monocentric Study of 38 Patients. Frontiers in Immunology, 2018, 9, 2708.	2.2	21
83	Pharmacoresponse in genetic generalized epilepsy: a genome-wide association study. Pharmacogenomics, 2020, 21, 325-335.	0.6	21
84	Postictal psychosis in temporal lobe epilepsy: a caseâ€“control study. European Journal of Neurology, 2013, 20, 955-961.	1.7	20
85	Association of the chromosome 11q13.5 variant with atopic dermatitis in Austrian patients. European Journal of Dermatology, 2013, 23, 142-145.	0.3	20
86	Subgroup stratification and outcome in recently diagnosed generalized myasthenia gravis. Neurology, 2020, 95, e1426-e1436.	1.5	20
87	Real-time measurements of calcium dynamics in neurons developing in situ within zebrafish embryos. Pflugers Archiv European Journal of Physiology, 1998, 436, 489-493.	1.3	19
88	Dynamic upâ€regulation of prodynorphin transcription in temporal lobe epilepsy. Hippocampus, 2009, 19, 1051-1054.	0.9	17
89	Relationship Between Age, Gender, and Race in Patients Presenting With Myasthenia Gravis With Only Ocular Manifestations. Journal of Neuro-Ophthalmology, 2016, 36, 29-32.	0.4	17
90	Age at first birth in women is genetically associated with increased risk of schizophrenia. Scientific Reports, 2018, 8, 10168.	1.6	17

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91	Pathomechanisms and Clinical Implications of Myasthenic Syndromes Exacerbated and Induced by Medical Treatments. Frontiers in Molecular Neuroscience, 2020, 13, 156.	1.4	16
92	Diagnostic exome sequencing in non-acquired focal epilepsies highlights a major role of GATOR1 complex genes. Journal of Medical Genetics, 2020, 57, 624-633.	1.5	16
93	Assessing the role of rare genetic variants in drugâ€resistant, nonâ€lesional focal epilepsy. Annals of Clinical and Translational Neurology, 2021, 8, 1376-1387.	1.7	16
94	Nuclear calmodulin responds rapidly to calcium influx at the plasmalemma. Cell Calcium, 1995, 17, 233-238.	1.1	15
95	Calcium Channels in Neuroblastoma Cell Growth Cones. European Journal of Neuroscience, 1996, 8, 467-475.	1.2	14
96	The receptor for advanced glycation endproducts and its ligands in patients with myasthenia gravis. Biochemical and Biophysical Research Communications, 2012, 420, 96-101.	1.0	14
97	Multifocal motor neuropathy in Austria: a nationwide survey of clinical features and response to treatment. Journal of Neurology, 2018, 265, 2834-2840.	1.8	14
98	Lateralization of language function in epilepsy patients: A high-density scalp-derived event-related potentials (ERP) study. Clinical Neurophysiology, 2017, 128, 472-479.	0.7	13
99	Nerve conduction studies in Guillain-BarrÃ© syndrome: Influence of timing and value of repeated measurements. Journal of the Neurological Sciences, 2021, 420, 117267.	0.3	13
100	A Genetic Polymorphism of the Endogenous Opioid Dynorphin Modulates Monetary Reward Anticipation in the Corticostriatal Loop. PLoS ONE, 2014, 9, e89954.	1.1	13
101	Longitudinal measurement of cerebrospinal fluid neurofilament light in antiâ€Nâ€methylâ€Dâ€aspartate receptor encephalitis. European Journal of Neurology, 2021, 28, 1401-1405.	1.7	12
102	The c.65â€2A>G splice site mutation is associated with a mild phenotype in Danon disease due to the transcription of normal LAMP2 mRNA. Clinical Genetics, 2016, 90, 366-371.	1.0	11
103	Myasthenia gravis AChR antibodies inhibit function of rapsyn-clustered AChRs. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 526-532.	0.9	11
104	Lack of Association between a GABAB Receptor 1 Gene Polymorphism and Temporal Lobe Epilepsy. Epilepsia, 2006, 47, 437-439.	2.6	10
105	Cerebrospinal fluid analysis in Guillainâ€“BarrÃ© syndrome: value of albumin quotients. Journal of Neurology, 2021, 268, 3294-3300.	1.8	10
106	Using common genetic variants to find drugs for common epilepsies. Brain Communications, 2021, 3, fcab287.	1.5	9
107	Associations between co-medications and survival in ALSâ€”a cohort study from Austria. Journal of Neurology, 2015, 262, 1698-1705.	1.8	8
108	ATP1A3-related epilepsy: Report of seven cases and literature-based analysis of treatment response. Journal of Clinical Neuroscience, 2020, 72, 31-38.	0.8	8

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109	Mutational and phenotypic expansion of ATP1A3-related disorders: Report of nine cases. Gene, 2020, 749, 144709.	1.0	8
110	Association of ultraâ€rare coding variants with genetic generalized epilepsy: A caseâ€“control whole exome sequencing study. Epilepsia, 2022, 63, 723-735.	2.6	8
111	No association between proton pump inhibitor use and ALS risk: a nationwide nested caseâ€“control study. Scientific Reports, 2020, 10, 13371.	1.6	7
112	Coronavirus Induced Demyelinating Encephalomyelitis in Rats: Immunopathological Aspects of Viral Persistency. Advances in Experimental Medicine and Biology, 1990, 276, 637-645.	0.8	7
113	Shortâ€term and sustained clinical response following thymectomy in patients with myasthenia gravis. European Journal of Neurology, 2022, 29, 2453-2462.	1.7	7
114	TPP2 mutation associated with sterile brain inflammation mimicking MS. Neurology: Genetics, 2018, 4, e285.	0.9	6
115	Rare gene deletions in genetic generalized and Rolandic epilepsies. PLoS ONE, 2018, 13, e0202022.	1.1	6
116	Delineation of epileptic and neurodevelopmental phenotypes associated with variants in STX1B. Seizure: the Journal of the British Epilepsy Association, 2021, 87, 25-29.	0.9	6
117	Real-world treatment of adult patients with Guillain-BarrÃ© syndrome over the last two decades. Scientific Reports, 2021, 11, 19170.	1.6	6
118	Severe Myasthenic Manifestation of Leptospirosis Associated with New Sequence Type ofLeptospira interrogans. Emerging Infectious Diseases, 2019, 25, 968-971.	2.0	5
119	Childhoodâ€onset progressive dystonia associated with pathogenic truncating variants in CHD8. Annals of Clinical and Translational Neurology, 2021, 8, 1986-1990.	1.7	5
120	Biphasic effect of calcium on neurite outgrowth in neuroblastoma and cerebellar granule cells. Developmental Brain Research, 1994, 80, 7-12.	2.1	4
121	Analysis of the prodynorphin promoter polymorphism in atopic dermatitis and disease-related pruritus. Clinical and Experimental Dermatology, 2009, 34, 728-730.	0.6	4
122	Iodinated contrast agents in patients with myasthenia gravis: a retrospective cohort study. Journal of Neurology, 2017, 264, 1209-1217.	1.8	4
123	Adult-onset variant ataxia-telangiectasia diagnosed by exome and cDNA sequencing. Neurology: Genetics, 2019, 5, e346.	0.9	4
124	Phenotypic variability of GABRA1â€related epilepsy in monozygotic twins. Annals of Clinical and Translational Neurology, 2019, 6, 2317-2322.	1.7	4
125	Clinicoâ€genetic spectrum of limbâ€girdle muscular weakness in Austria: A multicentre cohort study. European Journal of Neurology, 2022, , .	1.7	4
126	Report of the Task Force on preâ€graduate education in Europe of the education committee of the European Federation of Neurological Societies Composition of the task force of the education committee on preâ€graduate education. European Journal of Neurology, 2008, 15, e103-9.	1.7	3

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127	Estimation of patent foramen ovale size using transcranial Doppler ultrasound in patients with ischemic stroke. Journal of Neuroimaging, 2021, , .	1.0	3
128	Connectome Analysis in an Individual with SETD1B-Related Neurodevelopmental Disorder and Epilepsy. Journal of Developmental and Behavioral Pediatrics, 2022, 43, e419-e422.	0.6	3
129	Reply: Autosomal recessive epilepsy associated with contactin 2 mutation is different from familial cortical tremor, myoclonus and epilepsy. Brain, 2013, 136, e254-e254.	3.7	1
130	Incidence and clinical spectrum of rhabdomyolysis in general neurology: a retrospective cohort study. Neuromuscular Disorders, 2021, , .	0.3	1
131	Substantial relief of myopathic disability by progesterone therapy. Acta Obstetricia Et Gynecologica Scandinavica, 2001, 80, 972-973.	1.3	1
132	WHO WAS ANDREAS RETT?. Neuropediatrics, 2006, 37, .	0.3	0
133	APOLIPOPROTEIN E POLYMORPHISM AND NEUROLOGICAL OUTCOME AFTER CARDIOPULMONARY RESUSCITATION. Critical Care Medicine, 1999, 27, A66.	0.4	0
134	ATP1A3-related Epilepsy: Report of Six Cases and Literature-based Analysis of Treatment Response. Neuropediatrics, 2019, 50, .	0.3	0