Byung-Ok Choi

List of Publications by Year
in descending order

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127	2,592	172457	276875
papers	citations	29	41
		h-index	g-index

135	135	135	3993
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel Compound Heterozygous NonsensePRXMutations in a Korean Dejerine-Sottas Neuropathy		

#	Article	IF	Citations
19	A novel Lys141Thr mutation in small heat shock protein 22 (HSPB8) gene in Charcotâ€“Marieâ€“Tooth disease type 2L. Neuromuscular Disorders, 2013, 23, 656-663.	0.6	39
20	Anti-apoptotic Effects of Human Wharton's Jelly-derived Mesenchymal Stem Cells on Skeletal Muscle Cells Mediated via Secretion of XCL1. Molecular Therapy, 2016, 24, 1550-1560.	8.2	39
21	Proximal Dominant Hereditary Motor and Sensory Neuropathy With Proximal Dominance Association With Mutation in the TRK-Fused Gene. JAMA Neurology, 2013, 70, 607.	9.0	37
22	Clinical and genetic analysis of MAPT, GRN, and C9orf72 genes in Korean patients with frontotemporal dementia. Neurobiology of Aging, 2014, 35, 1213.e13-1213.e17.	3.1	35
23	Identification of FASTKD2 compound heterozygous mutations as the underlying cause of autosomal recessive MELAS-like syndrome. Mitochondrion, 2017, 35, 54-58.	3.4	35
24	A multicenter retrospective study of charcotâ€marieâ€tooth disease type 4B (CMT4B) associated with mutations in myotubularinâ€related proteins (MTMRs). Annals of Neurology, 2019, 86, 55-67.	5.3	35
25	NEFL Pro22Arg mutation in Charcot-Marie-Tooth disease type 1. Journal of Human Genetics, 2008, 53, 936-940.	2.3	34
26	Pmp22 mutant allele-specific siRNA alleviates demyelinating neuropathic phenotype in vivo. Neurobiology of Disease, 2017, 100, 99-107.	4.4	33
27	Variation in SIPA1L2 is correlated with phenotype modification in Charcotâ€“ Marieâ€“ Tooth disease type 1A. Annals of Neurology, 2019, 85, 316-330.	5.3	33
28	<scp>ADSSL</scp>1 mutation relevant to autosomal recessive adolescent onset distal myopathy. Annals of Neurology, 2016, 79, 231-243.	5.3	32
29	Distal hereditary motor neuropathy in Korean patients with a small heat shock protein 27 mutation. Experimental and Molecular Medicine, 2008, 40, 304.	7.7	31
30	Overexpression of mutant HSP27 causes axonal neuropathy in mice. Journal of Biomedical Science, 2015, 22, 43.	7.0	31
31	A wearable hip-assist robot reduces the cardiopulmonary metabolic energy expenditure during stair ascent in elderly adults: a pilot cross-sectional study. BMC Geriatrics, 2018, 18, 230.	2.7	29
32	Clinico-genetics in Korean Charcot-Marie-Tooth disease type 2Z withMORC2mutations. Brain, 2016, 139, e40-e40.	7.6	28
33	A novel histone deacetylase 6 inhibitor improves myelination of Schwann cells in a model of Charcotâ€“Marieâ€“Tooth disease type 1A. British Journal of Pharmacology, 2020, 177, 5096-5113.	5.4	27
34	Patient fibroblasts-derived induced neurons demonstrate autonomous neuronal defects in adult-onset Krabbe disease. Oncotarget, 2016, 7, 74496-74509.	1.8	26
35	Identification of mutations in Korean patients with amyotrophic lateral sclerosis using multigene panel testing. Neurobiology of Aging, 2016, 37, 209.e9-209.e16.	3.1	25
36	Wide phenotypic spectrum in axonal Charcotâ€“Marieâ€“Tooth neuropathy type 2 patients with KIF5A mutations. Genes and Genomics, 2018, 40, 77-84.	1.4	24

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37	miR-381 Attenuates Peripheral Neuropathic Phenotype Caused by Overexpression of PMP22. Experimental Neurobiology, 2019, 28, 279-288.	1.6	24
38	Amyloid Beta-Mediated Hypomethylation of Heme Oxygenase 1 Correlates with Cognitive Impairment in Alzheimerâ€™s Disease. PLoS ONE, 2016, 11, e0153156.	2.5	23
39	Age-related differences in muscle co-activation during locomotion and their relationship with gait speed: a pilot study. BMC Geriatrics, 2017, 17, 44.	2.7	23
40	Cerebral white matter abnormalities in patients with charcotâ€marieâ€tooth disease. Annals of Neurology, 2017, 81, 147-151.	5.3	23
41	Hidden hearing loss in patients with Charcot-Marie-Tooth disease type 1A. Scientific Reports, 2018, 8, 10335.	3.3	23
42	Targeted PMP22 TATA-box editing by CRISPR/Cas9 reduces demyelinating neuropathy of Charcot-Marie-Tooth disease type 1A in mice. Nucleic Acids Research, 2020, 48, 130-140.	14.5	23
43	<scp>CEP</scp>41â€mediated ciliary tubulin glutamylation drives angiogenesis through <scp>AURKA</scp>â€dependent deciliation. EMBO Reports, 2020, 21, e48290.	4.5	23
44	Mutational analysis of whole mitochondrial DNA in patients with MELAS and MERRF diseases. Experimental and Molecular Medicine, 2010, 42, 446.	7.7	22
45	Early-onset severe hereditary sensory and autonomic neuropathy type 1 with S331F SPTLC1 mutation. Molecular Medicine Reports, 2014, 9, 481-486.	2.4	22
46	Haplotype-specific modulation of a SOX10/CREB response element at the Charcotâ€“Marieâ€“Tooth disease type 4C locus SH3TC2. Human Molecular Genetics, 2014, 23, 5171-5187.	2.9	21
47	Comprehensive Analysis to Improve the Validation Rate for Single Nucleotide Variants Detected by Next-Generation Sequencing. PLoS ONE, 2014, 9, e86664.	2.5	20
48	Association of miR-149 polymorphism with onset age and severity in Charcotâ€“Marieâ€“Tooth disease type 1A. Neuromuscular Disorders, 2018, 28, 502-507.	0.6	19
49	Modifier Gene Candidates in Charcot-Marie-Tooth Disease Type 1A: A Case-Only Genome-Wide Association Study. Journal of Neuromuscular Diseases, 2019, 6, 201-211.	2.6	19
50	p75 and neural cell adhesion molecule 1 can identify pathologic Schwann cells in peripheral neuropathies. Annals of Clinical and Translational Neurology, 2019, 6, 1292-1301.	3.7	18
51	Alanyl-tRNA synthetase 1 (AARS1) gene mutation in a family with intermediate Charcot-Marie-Tooth neuropathy. Genes and Genomics, 2020, 42, 663-672.	1.4	18
52	Clinical and Genetic Aspects in Twelve Korean Patients with Adrenomyeloneuropathy. Yonsei Medical Journal, 2014, 55, 676.	2.2	17
53	Clinical and Neuropsychological Characteristics of a Nationwide Hospital-Based Registry of Frontotemporal Dementia Patients in Korea: A CREDOS-FTD Study. Dementia and Geriatric Cognitive Disorders Extra, 2014, 4, 242-251.	1.3	17
54	A novel homozygous MPV17 mutation in two families with axonal sensorimotor polyneuropathy. BMC Neurology, 2015, 15, 179.	1.8	17

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55	Autophagy induction in the skeletal myogenic differentiation of human tonsil-derived mesenchymal stem cells. International Journal of Molecular Medicine, 2017, 39, 831-840.	4.0	17
56	BAG3 mutation in a patient with atypical phenotypes of myofibrillar myopathy and Charcotâ€“Marieâ€“Tooth disease. Genes and Genomics, 2018, 40, 1269-1277.	1.4	17
57	Diffusion tensor imaging of the sciatic nerve in Charcotâ€“Marieâ€“Tooth disease type I patients: a prospective caseâ€“control study. European Radiology, 2019, 29, 3241-3252.	4.5	17
58	Muscle fat quantification using magnetic resonance imaging: caseâ€“control study of Charcotâ€“Marieâ€“Tooth disease patients and volunteers. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 574-585.	7.3	16
59	Distal myopathy with ADSSL1 mutations in Korean patients. Neuromuscular Disorders, 2017, 27, 465-472.	0.6	15
60	Wearable hip-assist robot modulates cortical activation during gait in stroke patients: a functional near-infrared spectroscopy study. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 145.	4.6	15
61	Two recessive intermediate Charcotâ€Marieâ€Tooth patients with GDAP1 mutations. Journal of the Peripheral Nervous System, 2011, 16, 143-146.	3.1	14
62	Recessive optic atrophy, sensorimotor neuropathy and cataract associated with novel compound heterozygous mutations in OPA1. Molecular Medicine Reports, 2016, 14, 33-40.	2.4	14
63	Nanotopographical regulation of pancreatic islet-like cluster formation from human pluripotent stem cells using a gradient-pattern chip. Acta Biomaterialia, 2019, 95, 337-347.	8.3	14
64	Inheritance of Charcotâ€“Marieâ€“Tooth disease 1A with rare nonrecurrent genomic rearrangement. Neurogenetics, 2011, 12, 51-58.	1.4	13
65	A family with axonal sensorimotor polyneuropathy with TUBB3 mutation. Molecular Medicine Reports, 2015, 11, 2729-2734.	2.4	13
66	Human Induced Pluripotent Stem Cell-Derived TDP-43 Mutant Neurons Exhibit Consistent Functional Phenotypes Across Multiple Gene Edited Lines Despite Transcriptomic and Splicing Discrepancies. Frontiers in Cell and Developmental Biology, 2021, 9, 728707.	3.7	13
67	Distal hereditary motor neuropathy type 7B with Dynactin 1 mutation. Molecular Medicine Reports, 2016, 14, 3362-3368.	2.4	12
68	Xâ€linked Charcotâ€Marieâ€Tooth disease type 6 (<scp>CMTX6</scp>) patients with a p.<scp>R158H</scp> mutation in the pyruvate dehydrogenase kinase isoenzyme 3 gene. Journal of the Peripheral Nervous System, 2016, 21, 45-51.	3.1	12
69	Small heat shock protein B3 (HSPB3) mutation in an axonal Charcotâ€Marieâ€Tooth disease family. Journal of the Peripheral Nervous System, 2018, 23, 60-66.	3.1	12
70	Linkage analysis and whole exome sequencing reveals AHNAK2 as a novel genetic cause for autosomal recessive CMT in a Malaysian family. Neurogenetics, 2019, 20, 117-127.	1.4	12
71	Axonal Charcotâ€Marieâ€Tooth neuropathy concurrent with distal and proximal weakness by translational elongation of the 3â€² UTR in NEFH. Journal of the Peripheral Nervous System, 2017, 22, 200-207.	3.1	12
72	HDAC6 Inhibition Corrects Electrophysiological and Axonal Transport Deficits in a Human Stem Cellâ€Based Model of Charcotâ€Marieâ€Tooth Disease (Type 2D). Advanced Biology, 2022, 6, e2101308.	2.5	12

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73	Differentiation of Human Tonsil-Derived Mesenchymal Stem Cells into Schwann-Like Cells Improves Neuromuscular Function in a Mouse Model of Charcot-Marie-Tooth Disease Type 1A. International Journal of Molecular Sciences, 2018, 19, 2393.	4.1	11
74	Clinical characterization and genetic analysis of Korean patients with Xâ€linked Charcotâ€Marieâ€Tooth disease type 1. Journal of the Peripheral Nervous System, 2017, 22, 172-181.	3.1	9
75	Zebrafish is a central model to dissect the peripheral neuropathy. Genes and Genomics, 2019, 41, 993-1000.	1.4	9
76	Charcot-Marie-Tooth disease type 2CC due toNEFHvariants causes a progressive, non-length-dependent, motor-predominant phenotype. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 48-56.	1.9	9
77	Fibulin 5, a human Wharton's jelly-derived mesenchymal stem cells-secreted paracrine factor, attenuates peripheral nervous system myelination defects through the Integrin-RAC1 signaling axis. Stem Cells, 2020, 38, 1578-1593.	3.2	9
78	Virus blocking textile for SARS-CoV-2 using human body triboelectric energy harvesting. Cell Reports Physical Science, 2022, 3, 100813.	5.6	9
79	Severe phenotypes in a Charcotâ€“Marieâ€“Tooth 1A patient with PMP22 triplication. Journal of Human Genetics, 2015, 60, 103-106.	2.3	8
80	Compound heterozygous mutations of SH3TC2 in Charcotâ€“Marieâ€“Tooth disease type 4C patients. Journal of Human Genetics, 2019, 64, 961-965.	2.3	8
81	Clinical and Neuroimaging Features in Charcot-Marie-Tooth Patients with GDAP1 Mutations.		

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91	Texture analysis using T1-weighted images for muscles in Charcot-Marie-Tooth disease patients and volunteers. European Radiology, 2021, 31, 3508-3517.	4.5	6
92	Gait parameters as tools for analyzing phenotypic alterations of a mouse model of Charcot-Marie-Tooth disease. Animal Cells and Systems, 2021, 25, 11-18.	2.2	6
93	Peripheral Myelin Protein 22 Gene Mutations in Charcot-Marie-Tooth Disease Type 1E Patients. Genes, 2022, 13, 1219.	2.4	6
94	Ser135Phe mutation in HSPB1 (HSP27) from Charcotâ€“Marieâ€“Tooth disease type 2F families. Genes and Genomics, 2015, 37, 295-303.	1.4	5
95	Serum CXCL13 reflects local B-cell mediated inflammatory demyelinating peripheral neuropathy. Scientific Reports, 2019, 9, 16535.	3.3	5
96	Genetic and clinical spectrums in Korean Charcotâ€Marieâ€Tooth disease patients with myelin protein zero mutations. Molecular Genetics & Genomic Medicine, 2021, 9, e1678.	1.2	5
97	Morc2a p.S87L mutant mice develop peripheral and central neuropathies associated with neuronal DNA damage and apoptosis. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	5
98	Genetic and Clinical Studies of Peripheral Neuropathies with Three Small Heat Shock Protein Gene Variants in Korea. Genes, 2022, 13, 462.	2.4	5
99	Ankle Pathologic Gait Assistance of a Hip Exoskeleton: Simulation and Experiment. IEEE Robotics and Automation Letters, 2018, 3, 2190-2197.	5.1	4
100	A POLG2 Homozygous Mutation in an Autosomal Recessive Epilepsy Family Without		

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109	Farnesol Ameliorates Demyelinating Phenotype in a Cellular and Animal Model of Charcot-Marie-Tooth Disease Type 1A. Current Issues in Molecular Biology, 2021, 43, 2011-2021.	2.4	3
110	Identification of rare coding variants associated with Kawasaki disease by whole exome sequencing. Genomics and Informatics, 2021, 19, e38.	0.8	3
111	Compound mutations of PEO1 and TYMP in a progressive external ophthalmoplegia patient with incomplete mitochondrial neurogastrointestinal encephalomyopathy phenotype. Genes and Genomics, 2011, 33, 431-437.	1.4	2
112	Wide phenotypic variations in Charcot-Marie-Tooth 1A neuropathy with rare copy number variations on 17p12. Animal Cells and Systems, 2011, 15, 301-309.	2.2	2
113	Dynamic Transcriptional Events in Distal Sural Nerve Revealed by Transcriptome Analysis. Experimental Neurobiology, 2014, 23, 169-172.	1.6	2
114	Clinical and Neuroimaging Features in Charcotâ€“Marieâ€“Tooth Patients with GNB4 Mutations. Life, 2021, 11, 494.	2.4	2
115	Cerebellar White Matter Abnormalities in Charcotâ€“Marieâ€“Tooth Disease: A Combined Volumetry and Diffusion Tensor Imaging Analysis. Journal of Clinical Medicine, 2021, 10, 4945.	2.4	2
116	Cytokines secreted by mesenchymal stem cells reduce demyelination in an animal model of Charcot-Marie-Tooth disease. Biochemical and Biophysical Research Communications, 2022, 597, 1-7.	2.1	2
117	Identification and clinical characterization of Charcot-Marie-Tooth disease type 1C patients with LITAF p.G112S mutation. Genes and Genomics, 0, , .	1.4	2
118	A novel Gly137Asp MPZ mutation in a Charcot-Marie-Tooth disease type 1B family. Genes and Genomics, 2011, 33, 659-664.	1.4	1
119	Ultrasonography-guided transplantation facilitates perineural delivery of stem cells. Animal Cells and Systems, 2015, 19, 269-273.	2.2	1
120	Replication studies of MIR149 association in Charcotâ€“Marieâ€“Tooth disease type 1A in a European population - response. Neuromuscular Disorders, 2019, 29, 160-162.	0.6	1
121	Development of cell models for high-throughput screening system of Charcot-Marie-Tooth disease type 1. Journal of Genetic Medicine, 2015, 12, 25-30.	0.2	1
122	Wide Phenotypic Spectrum of PNMHH Patients With p.R941L Mutation in MYH14. Journal of		

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127	Analyzing clinical and genetic aspects of axonal Charcotâ€“Marie-Tooth disease. Journal of Genetic Medicine, 2021, 18, 83-93.	0.2	0