Istvan Katona

List of Publications by Year in descending order

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41 papers	2,427 citations	257450 24 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	6211 citing authors

#	Article	IF	Citations
1	Regulation of endoplasmic reticulum turnover by selective autophagy. Nature, 2015, 522, 354-358.	27.8	714
2	Transcriptional regulator PRDM12 is essential for human pain perception. Nature Genetics, 2015, 47, 803-808.	21.4	137
3	Altered localization, abnormal modification and loss of function of Sigma receptor-1 in amyotrophic lateral sclerosis. Human Molecular Genetics, 2013, 22, 1581-1600.	2.9	136
4	Small-fiber neuropathy in patients with ALS. Neurology, 2011, 76, 2024-2029.	1.1	114
5	Curcumin derivatives promote Schwann cell differentiation and improve neuropathy in R98C CMT1B mice. Brain, 2012, 135, 3551-3566.	7.6	90
6	Shortened internodal length of dermal myelinated nerve fibres in Charcot-Marie-Tooth disease type 1A. Brain, 2009, 132, 3263-3273.	7.6	85
7	Loss of function of the ALS protein SigR1 leads to ER pathology associated with defective autophagy and lipid raft disturbances. Cell Death and Disease, 2014, 5, e1290-e1290.	6.3	82
8	The ALS-linked E102Q mutation in Sigma receptor-1 leads to ER stress-mediated defects in protein homeostasis and dysregulation of RNA-binding proteins. Cell Death and Differentiation, 2017, 24, 1655-1671.	11.2	77
9	Cold-aggravated pain in humans caused by a hyperactive NaV1.9 channel mutant. Nature Communications, 2015, 6, 10049.	12.8	71
10	Targeting myelin lipid metabolism as a potential therapeutic strategy in a model of CMT1A neuropathy. Nature Communications, 2018, 9, 3025.	12.8	71
11	PMP22 expression in dermal nerve myelin from patients with CMT1A. Brain, 2009, 132, 1734-1740.	7.6	68
12	Frequent genes in rare diseases: panelâ€based next generation sequencing to disclose causal mutations in hereditary neuropathies. Journal of Neurochemistry, 2017, 143, 507-522.	3.9	68
13	A knock-in/knock-out mouse model of HSPB8-associated distal hereditary motor neuropathy and myopathy reveals toxic gain-of-function of mutant Hspb8. Acta Neuropathologica, 2018, 135, 131-148.	7.7	58
14	Smallâ€fiber neuropathy with cardiac denervation in postural tachycardia syndrome. Muscle and Nerve, 2014, 50, 956-961.	2.2	54
15	Macrophage Depletion Ameliorates Peripheral Neuropathy in Aging Mice. Journal of Neuroscience, 2018, 38, 4610-4620.	3.6	53
16	Conduction Block in PMP22 Deficiency. Journal of Neuroscience, 2010, 30, 600-608.	3.6	49
17	Towards a functional pathology of hereditary neuropathies. Acta Neuropathologica, 2017, 133, 493-515.	7.7	48
18	New Findings in a Global Approach to Dissect the Whole Phenotype of PLA2G6 Gene Mutations. PLoS ONE, 2013, 8, e76831.	2.5	42

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19	Spinal cord organotypic slice cultures for the study of regenerating motor axon interactions with 3D scaffolds. Biomaterials, 2014, 35, 4288-4296.	11.4	39
20	Diseases of the peripheral nerves. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 145, 453-474.	1.8	39
21	Distinct pathogenic processes between Fig4-deficient motor and sensory neurons. European Journal of Neuroscience, 2011, 33, 1401-1410.	2.6	34
22	Endothelial damage, vascular bagging and remodeling of the microvascular bed in human microangiopathy with deep white matter lesions. Acta Neuropathologica Communications, 2018, 6, 128.	5.2	33
23	Reduced intraepidermal nerve fiber density in patients with REM sleep behavior disorder. Parkinsonism and Related Disorders, 2016, 29, 10-16.	2.2	29
24	Bortezomib-induced severe autonomic neuropathy. Clinical Autonomic Research, 2012, 22, 199-202.	2.5	28
25	Aggregates of RNA Binding Proteins and ER Chaperones Linked to Exosomes in Granulovacuolar Degeneration of the Alzheimerâ€™s Disease Brain. Journal of Alzheimer's Disease, 2020, 75, 139-156.	2.6	22
26	Neuropathy in a Human Without the PMP22 Gene. Archives of Neurology, 2011, 68, 814-21.	4.5	21
27	ALSâ€Associated Endoplasmic Reticulum Proteins in Denervated Skeletal Muscle: Implications for Motor Neuron Disease Pathology. Brain Pathology, 2017, 27, 781-794.	4.1	20
28	Quantitative sensory testing predicts histological small fiber neuropathy in postural tachycardia syndrome. Neurology: Clinical Practice, 2020, 10, 428-434.	1.6	20
29	Glycogenosome accumulation in the arrector pili muscle in Pompe disease. Orphanet Journal of Rare Diseases, 2014, 9, 17.	2.7	17
30	Cryptogenic stroke and small fiber neuropathy of unknown etiology in patients with alpha-galactosidase A-10T genotype. Orphanet Journal of Rare Diseases, 2014, 9, 178.	2.7	15
31	Accumulation of <scp>STIM</scp>1 is associated with the degenerative muscle fibre phenotype in <scp>ALS</scp> and other neurogenic atrophies. Neuropathology and Applied Neurobiology, 2015, 41, 304-318.	3.2	15
32	Myelinating Glia-Specific Deletion of Fbxo7 in Mice Triggers Axonal Degeneration in the Central Nervous System Together with Peripheral Neuropathy. Journal of Neuroscience, 2019, 39, 5606-5626.	3.6	14
33	GMPPA defects cause a neuromuscular disorder with Î±-dystroglycan hyperglycosylation. Journal of Clinical Investigation, 2021, 131, .	8.2	13
34	Pathomechanisms of ALS8: altered autophagy and defective RNA binding protein (RBP) homeostasis due to the VAPB P56S mutation. Cell Death and Disease, 2021, 12, 466.	6.3	13
35	Monitoring Î±â€synuclein multimerization in vivo. FASEB Journal, 2019, 33, 2116-2131.	0.5	10
36	Characterization of New Transgenic Mouse Models for Two Charcot-Marie-Tooth-Causing HspB1 Mutations using the Rosa26 Locus. Journal of Neuromuscular Diseases, 2016, 3, 183-200.	2.6	9

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37	Characteristic clinical and ultrastructural findings in nesprinopathies. European Journal of Paediatric Neurology, 2019, 23, 254-261.	1.6	7
38	CLC Anion/Proton Exchangers Regulate Secretory Vesicle Filling and Granule Exocytosis in Chromaffin Cells. Journal of Neuroscience, 2022, 42, 3080-3095.	3.6	4
39	Techniques for the standard histological and ultrastructural assessment of nerve biopsies. Journal of the Peripheral Nervous System, 2021, 26, S3-S10.	3.1	3
40	Reply: Internodal length variability of dermal myelinated fibres. Brain, 2010, 133, e143-e143.	7.6	2
41	Characterization of a Novel Aspect of Tissue Scarring Following Experimental Spinal Cord Injury and the Implantation of Bioengineered Type-I Collagen Scaffolds in the Adult Rat: Involvement of Perineurial-like Cells?. International Journal of Molecular Sciences, 2022, 23, 3221.	4.1	1