

The integrated stress response contributes to tRNA synthetase neuropathy

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Citation Report

#	ARTICLE	IF	CITATIONS
1	tRNA overexpression rescues peripheral neuropathy caused by mutations in tRNA synthetase. <i>Science</i> , 2021, 373, 1161-1166.	12.6	59
2	Stressing out translation. <i>Science</i> , 2021, 373, 1089-1090.	12.6	4
3	Drosophila Models for Charcot-Marie-Tooth Neuropathy Related to Aminoacyl-tRNA Synthetases. <i>Genes</i> , 2021, 12, 1519.	2.4	6
4	An Integrated Approach to Studying Rare Neuromuscular Diseases Using Animal and Human Cell-Based Models. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 801819.	3.7	2
5	NCAM1 and GDF15 are biomarkers of Charcot-Marie-Tooth disease in patients and mice. <i>Brain</i> , 2022, 145, 3999-4015.	7.6	12
6	Precision mouse models of <i>Yars</i> /dominant intermediate Charcot-Marie-Tooth disease type C and <i>Sptlc1</i> /hereditary sensory and autonomic neuropathy type 1. <i>Journal of Anatomy</i> , 2022, 241, 1169-1185.	1.5	10
7	Amino Acid Signaling for TOR in Eukaryotes: Sensors, Transducers, and a Sustainable Agricultural fuTORe. <i>Biomolecules</i> , 2022, 12, 387.	4.0	12
8	Pathogenic missense variants altering codon 336 of <i>GARS1</i> lead to divergent dominant phenotypes. <i>Human Mutation</i> , 2022, 43, 869-876.	2.5	3
9	HDAC6 Inhibition Corrects Electrophysiological and Axonal Transport Deficits in a Human Stem Cell-Based Model of Charcot-Marie-Tooth Disease (Type 2D). <i>Advanced Biology</i> , 2022, 6, e2101308.	2.5	12
10	The tRNA regulome in neurodevelopmental and neuropsychiatric disease. <i>Molecular Psychiatry</i> , 2022, 27, 3204-3213.	7.9	9
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14	Transfer RNA processing " from a structural and disease perspective. <i>Biological Chemistry</i> , 2022, 403, 749-763.	2.5	9
15	tRNA dysregulation and disease. <i>Nature Reviews Genetics</i> , 2022, 23, 651-664.	16.3	52
16	The Role and Therapeutic Potential of the Integrated Stress Response in Amyotrophic Lateral Sclerosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7823.	4.1	10
17	Hereditary motor neuropathies. <i>Current Opinion in Neurology</i> , 2022, 35, 562-570.	3.6	7
18	Heterozygous <i>Seryl-tRNA Synthetase 1</i> Variants Cause Charcot-Marie-Tooth Disease. <i>Annals of Neurology</i> , 2023, 93, 244-256.	5.3	9
19	Aminoacyl-tRNA synthetases in human health and disease. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	23

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20	Increased Mobile Zinc Regulates Retinal Ganglion Cell Survival via Activating Mitochondrial OMA1 and Integrated Stress Response. <i>Antioxidants</i> , 2022, 11, 2001.	5.1	8
21	The Role of Nuclear-Encoded Mitochondrial tRNA Charging Enzymes in Human Inherited Disease. <i>Genes</i> , 2022, 13, 2319.	2.4	5
22	Mitochondrial Unfolded Protein Response and Integrated Stress Response as Promising Therapeutic Targets for Mitochondrial Diseases. <i>Cells</i> , 2023, 12, 20.	4.1	7
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26	Diverse CMT2 neuropathies are linked to aberrant G3BP interactions in stress granules. <i>Cell</i> , 2023, 186, 803-820.e25.	28.9	14
27	Run, Ribosome, Run: From Compromised Translation to Human Health. <i>Antioxidants and Redox Signaling</i> , 2023, 39, 336-350.	5.4	2
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30	Trials for Slowly Progressive Neurogenetic Diseases Need Surrogate Endpoints. <i>Annals of Neurology</i> , 2023, 93, 906-910.	5.3	6
31	Messenger RNA Translation Defects in Neurodegenerative Diseases. <i>New England Journal of Medicine</i> , 2023, 388, 1015-1030.	27.0	6
32	Boosting peripheral BDNF rescues impaired in vivo axonal transport in CMT2D mice. <i>JCI Insight</i> , 2023, 8, .	5.0	6
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39	Dominant aminoacyl-tRNA synthetase disorders: lessons learned from in vivo disease models. <i>Frontiers in Neuroscience</i> , 0, 17, .	2.8	0

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41	Uncovering the mystery of genetic heterogeneity in inherited peripheral neuropathies. , 2023, 2, .		0
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43	Effect of mRNA/tRNA mutations on translation speed: Implications for human diseases. Journal of Biological Chemistry, 2023, 299, 105089.	3.4	4
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46	Phenylalanine-tRNA aminoacylation is compromised by ALS/FTD-associated C9orf72 C4G2 repeat RNA. Nature Communications, 2023, 14, .	12.8	2
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53	An Adapted GeneSwitch Toolkit for Comparable Cellular and Animal Models: A Proof of Concept in Modeling Charcot-Marie-Tooth Neuropathy. International Journal of Molecular Sciences, 2023, 24, 16138.	4.1	0
54	Mitochondrial aminoacyl-tRNA synthetases trigger unique compensatory mechanisms in neurons. Human Molecular Genetics, 2024, 33, 435-447.	2.9	0
55	The m ⁵ C methyltransferase NSUN2 promotes codon-dependent oncogenic translation by stabilising tRNA in anaplastic thyroid cancer. Clinical and Translational Medicine, 2023, 13, .	4.0	2
56	tRNA therapeutics for genetic diseases. Nature Reviews Drug Discovery, 2024, 23, 108-125.	46.4	1
59	Tunable Hydrogel Electronics for Diagnosis of Peripheral Neuropathy. Advanced Materials, 0, , .	21.0	4

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60	Nucleus pulposus cells regulate macrophages in degenerated intervertebral discs via the integrated stress response-mediated CCL2/7-CCR2 signaling pathway. <i>Experimental and Molecular Medicine</i> , 2024, 56, 408-421.	7.7	0
62	Overarching pathomechanisms in inherited peripheral neuropathies, spastic paraplegias, and cerebellar ataxias. <i>Trends in Neurosciences</i> , 2024, 47, 227-238.	8.6	0
63	The integrated stress response in metabolic adaptation. <i>Journal of Biological Chemistry</i> , 2024, 300, 107151.	3.4	0
64	Patent highlights August–September 2023. <i>Pharmaceutical Patent Analyst</i> , 0, , .	1.1	0