# Svetlana Konovalova

## List of Publications by Year in descending order



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|---|---|---|---|
| 14 papers | 434 citations | 840776 11 h-index | 1058476 14 g-index |
| 15 all docs | 15 docs citations | 15 times ranked | 969 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mitochondrial aminoacyl-tRNA synthetases in human disease. Molecular Genetics and Metabolism, 2013, 108, 206-211. | 1.1 | 133 |
| 2 | Structural modeling of tissue-specific mitochondrial alanyl-tRNA synthetase (AARS2) defects predicts differential effects on aminoacylation. Frontiers in Genetics, 2015, 6, 21. | 2.3 | 46 |
| 3 | Metabolic determination of cell fate through selective inheritance of mitochondria. Nature Cell Biology, 2022, 24, 148-154. | 10.3 | 46 |
| 4 | Targeted next-generation sequencing reveals further genetic heterogeneity in axonal Charcotâ€“Marieâ€“Tooth neuropathy and a mutation in HSPB1. European Journal of Human Genetics, 2014, 22, 522-527. | 2.8 | 33 |
| 5 | Editing activity for eliminating mischarged tRNAs is essential in mammalian mitochondria. Nucleic Acids Research, 2018, 46, 849-860. | 14.5 | 30 |
| 6 | Truncated HSPB1 causes axonal neuropathy and impairs tolerance to unfolded protein stress. BBA Clinical, 2015, 3, 233-242. | 4.1 | 26 |
| 7 | Redox regulation of GRPEL2 nucleotide exchange factor for mitochondrial HSP70 chaperone. Redox Biology, 2018, 19, 37-45. | 9.0 | 25 |
| 8 | ALS and Parkinson's disease genes CHCHD10 and CHCHD2 modify synaptic transcriptomes in human iPSC-derived motor neurons. Neurobiology of Disease, 2020, 141, 104940. | 4.4 | 24 |
| 9 | Instability of the mitochondrial alanyl-tRNA synthetase underlies fatal infantile-onset cardiomyopathy. Human Molecular Genetics, 2019, 28, 258-268. | 2.9 | 19 |
| 10 | Exposure to arginine analog canavanine induces aberrant mitochondrial translation products, mitoribosome stalling, and instability of the mitochondrial proteome. International Journal of Biochemistry and Cell Biology, 2015, 65, 268-274. | 2.8 | 16 |
| 11 | Y 3+ , La 3+ , and some bivalent metals inhibited the opening of the Tl + -induced permeability transition pore in Ca 2+ -loaded rat liver mitochondria. Journal of Inorganic Biochemistry, 2014, 141, 1-9. | 3.5 | 15 |
| 12 | A patient with pontocerebellar hypoplasia type 6: Novel RARS2 mutations, comparison to previously published patients and clinical distinction from PEHO syndrome. European Journal of Medical Genetics, 2020, 63, 103766. | 1.3 | 10 |
| 13 | Analysis of Mitochondrial Respiratory Chain Complexes in Cultured Human Cells using Blue Native Polyacrylamide Gel Electrophoresis and Immunoblotting. Journal of Visualized Experiments, 2019, , . | 0.3 | 9 |
| 14 | Analysis of Mitochondrial Protein Synthesis: De Novo Translation, Steadyâ€State Levels, and Assembled OXPHOS Complexes. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2018, 77, e56. | 1.1 | 2 |