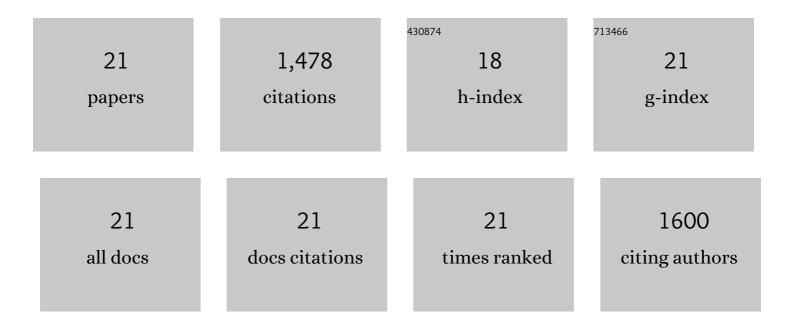
Oleksandr Gakh

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8956319/publications.pdf Version: 2024-02-01



| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mitochondrial processing peptidases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1592, 63-77. | 4.1 | 353 |
| 2 | Mitochondrial iron detoxification is a primary function of frataxin that limits oxidative damage and preserves cell longevity. Human Molecular Genetics, 2006, 15, 467-479. | 2.9 | 179 |
| 3 | Yeast Frataxin Sequentially Chaperones and Stores Iron by Coupling Protein Assembly with Iron Oxidation. Journal of Biological Chemistry, 2003, 278, 31340-31351. | 3.4 | 145 |
| 4 | Physical Evidence that Yeast Frataxin Is an Iron Storage Proteinâ€. Biochemistry, 2002, 41, 6798-6804. | 2.5 | 120 |
| 5 | The Ferroxidase Activity of Yeast Frataxin. Journal of Biological Chemistry, 2002, 277, 38589-38595. | 3.4 | 80 |
| 6 | The Structures of Frataxin Oligomers Reveal the Mechanism for the Delivery and Detoxification of Iron. Structure, 2006, 14, 1535-1546. | 3.3 | 78 |
| 7 | Structure of Frataxin Iron Cores: An X-ray Absorption Spectroscopic Studyâ€. Biochemistry, 2003, 42, 5971-5976. | 2.5 | 68 |
| 8 | Lateral-flow immunoassay for the frataxin protein in Friedreich's ataxia patients and carriers. Molecular Genetics and Metabolism, 2008, 94, 491-497. | 1.1 | 67 |
| 9 | Normal and Friedreich Ataxia Cells Express Different Isoforms of Frataxin with Complementary Roles in Iron-Sulfur Cluster Assembly. Journal of Biological Chemistry, 2010, 285, 38486-38501. | 3.4 | 67 |
| 10 | <i>PMPCA</i> mutations cause abnormal mitochondrial protein processing in patients with non-progressive cerebellar ataxia. Brain, 2015, 138, 1505-1517. | 7.6 | 58 |
| 11 | Oligomeric Yeast Frataxin Drives Assembly of Core Machinery for Mitochondrial Iron-Sulfur Cluster Synthesis. Journal of Biological Chemistry, 2009, 284, 21971-21980. | 3.4 | 53 |
| 12 | Structural Basis of the Iron Storage Function of Frataxin from Single-Particle Reconstruction of the Iron-Loaded Oligomer. Biochemistry, 2008, 47, 4948-4954. | 2.5 | 40 |
| 13 | Assembly of the Iron-binding Protein Frataxin in Saccharomyces cerevisiae Responds to Dynamic Changes in Mitochondrial Iron Influx and Stress Level. Journal of Biological Chemistry, 2008, 283, 31500-31510. | 3.4 | 33 |
| 14 | Missense Mutations Linked to Friedreich Ataxia Have Different but Synergistic Effects on Mitochondrial Frataxin Isoforms. Journal of Biological Chemistry, 2013, 288, 4116-4127. | 3.4 | 25 |
| 15 | Architecture of the Human Mitochondrial Iron-Sulfur Cluster Assembly Machinery. Journal of Biological Chemistry, 2016, 291, 21296-21321. | 3.4 | 24 |
| 16 | The Structure of the Complex between Yeast Frataxin and Ferrochelatase. Journal of Biological Chemistry, 2016, 291, 11887-11898. | 3.4 | 22 |
| 17 | Oligomerization Propensity and Flexibility of Yeast Frataxin Studied by X-ray Crystallography and Small-Angle X-ray Scattering. Journal of Molecular Biology, 2011, 414, 783-797. | 4.2 | 21 |
| 18 | The Molecular Basis of Iron-induced Oligomerization of Frataxin and the Role of the Ferroxidation Reaction in Oligomerization. Journal of Biological Chemistry, 2013, 288, 8156-8167. | 3.4 | 21 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Architecture of the Yeast Mitochondrial Iron-Sulfur Cluster Assembly Machinery. Journal of Biological Chemistry, 2016, 291, 10378-10398. | 3.4 | 17 |
| 20 | Zinc and the iron donor frataxin regulate oligomerization of the scaffold protein to form new Fe–S cluster assembly centers. Metallomics, 2017, 9, 773-801. | 2.4 | 6 |
| 21 | SAXS and stability studies of iron-induced oligomers of bacterial frataxin CyaY. PLoS ONE, 2017, 12, e0184961. | 2.5 | 1 |