

# Konstantin Lyamzayev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2356998/publications.pdf>

Version: 2024-02-01

43  
papers

3,239  
citations

361045

20  
h-index

243296

44  
g-index

45  
all docs

45  
docs citations

45  
times ranked

6389  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Extrusion of mitochondria: Garbage clearance or cell-cell communication signals?. <i>Journal of Cellular Physiology</i> , 2022, 237, 2345-2356.   | 2.0 | 11        |
| 2  | Ordered Clusters of the Complete Oxidative Phosphorylation System in Cardiac Mitochondria. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1462.   | 1.8 | 23        |
| 3  | Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 4.3 1,430  | 4.3 | 1,430     |
| 4  | Innate Immunity as an Executor of the Programmed Death of Individual Organisms for the Benefit of the Entire Population. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13480.                          | 1.8 | 7         |
| 5  | Three rare pathogenic mtDNA substitutions in LHON patients with low heteroplasmy. <i>Mitochondrion</i> , 2020, 50, 139-144.   | 1.6 | 18        |
| 6  | Mitochondria as Targets for Endothelial Protection in COVID-19. <i>Frontiers in Physiology</i> , 2020, 11, 606170.  | 1.3 | 5         |
| 7  | Mild depolarization of the inner mitochondrial membrane is a crucial component of an anti-aging program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6491-6501. | 3.3 | 122       |
| 8  | Fluorescein Derivatives as Antibacterial Agents Acting via Membrane Depolarization. <i>Biomolecules</i> , 2020, 10, 309.  | 1.8 | 18        |
| 9  | Novel Fluorescent Mitochondria-Targeted Probe MitoCLOx Reports Lipid Peroxidation in Response to Oxidative Stress <i>In Vivo</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.                 | 1.9 | 14        |
| 10 | Mitochondria-targeted 1,4-naphthoquinone (SkQN) is a powerful prooxidant and cytotoxic agent. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148210.  | 0.5 | 14        |
| 11 | Mitochondrial localization of SESN2. <i>PLoS ONE</i> , 2020, 15, e0226862.  | 1.1 | 19        |
| 12 | Mitochondrial Localization and Function of SESN2. <i>FASEB Journal</i> , 2020, 34, 1-1.   | 0.2 | 1         |
| 13 | Therapeutic Effect of the Mitochondria-Targeted Antioxidant SkQ1 on the Culture Model of Multiple Sclerosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.                                       | 1.9 | 14        |
| 14 | MitoCLOx: A Novel Mitochondria-Targeted Fluorescent Probe for Tracing Lipid Peroxidation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.  | 1.9 | 15        |
| 15 | Induction of autophagy by depolarization of mitochondria. <i>Autophagy</i> , 2018, 14, 921-924.   | 4.3 | 78        |
| 16 | Does Oxidation of Mitochondrial Cardiolipin Trigger a Chain of Antiapoptotic Reactions?. <i>Biochemistry (Moscow)</i> , 2018, 83, 1263-1278.  | 0.7 | 14        |
| 17 | Mitochondria-targeted antioxidants as highly effective antibiotics. <i>Scientific Reports</i> , 2017, 7, 1394.  | 1.6 | 52        |
| 18 | Previously unclassified mutation of mtDNA m.3472T>C: Evidence of pathogenicity in Leber's hereditary optic neuropathy. <i>Biochemistry (Moscow)</i> , 2016, 81, 748-754.  | 0.7 | 8         |

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|----|--|-----|-----------|
| 19 | Low concentrations of uncouplers of oxidative phosphorylation prevent inflammatory activation of endothelial cells by tumor necrosis factor. <i>Biochemistry (Moscow)</i> , 2015, 80, 610-619.   | 0.7 | 17        |
| 20 | Mitodiversity. <i>Biochemistry (Moscow)</i> , 2015, 80, 532-541.   | 0.7 | 14        |
| 21 | Radioprotective Effects of Mitochondria-Targeted Antioxidant SkQR1. <i>Radiation Research</i> , 2015, 183, 64-71.  | 0.7 | 21        |
| 22 | Methodology for Use of Mitochondria-Targeted Cations in the Field of Oxidative Stress-Related Research. <i>Methods in Molecular Biology</i> , 2015, 1265, 149-159.   | 0.4 | 9         |
| 23 | Mitochondria-Targeted Antioxidants and Alzheimer's Disease. , 2014, , 195-201.   |     | 2         |
| 24 | Derivatives of the cationic plant alkaloids berberine and palmatine amplify protonophorous activity of fatty acids in model membranes and mitochondria. <i>Mitochondrion</i> , 2013, 13, 520-525.  | 1.6 | 19        |
| 25 | In search of novel highly active mitochondria-targeted antioxidants: Thymoquinone and its cationic derivatives. <i>FEBS Letters</i> , 2013, 587, 2018-2024.  | 1.3 | 57        |
| 26 | Novel Penetrating Cations for Targeting Mitochondria. <i>Current Pharmaceutical Design</i> , 2013, 19, 2795-2806.  | 0.9 | 18        |
| 27 | Novel mitochondria-targeted compounds composed of natural constituents: Conjugates of plant alkaloids berberine and palmatine with plastoquinone. <i>Biochemistry (Moscow)</i> , 2012, 77, 983-995.  | 0.7 | 14        |
| 28 | Effects of the mitochondria-targeted antioxidant SkQ1 on lifespan of rodents. <i>Aging</i> , 2011, 3, 1110-1119.   | 1.4 | 99        |
| 29 | Mitochondrial-Targeted Plastoquinone Derivatives. Effect on Senescence and Acute Age-Related Pathologies. <i>Current Drug Targets</i> , 2011, 12, 800-826.   | 1.0 | 147       |
| 30 | Novel Mitochondria-Targeted Antioxidants: Plastoquinone Conjugated with Cationic Plant Alkaloids Berberine and Palmatine. <i>Pharmaceutical Research</i> , 2011, 28, 2883-2895.  | 1.7 | 49        |
| 31 | Reactive oxygen species produced in mitochondria are involved in age-dependent changes of hematopoietic and mesenchymal progenitor cells in mice. A study with the novel mitochondria-targeted antioxidant SkQ1. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 415-421. | 2.2 | 25        |
| 32 | Prevention of cardiolipin oxidation and fatty acid cycling as two antioxidant mechanisms of cationic derivatives of plastoquinone (SkQs). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 878-889.  | 0.5 | 104       |
| 33 | Mitochondria as source of reactive oxygen species under oxidative stress. Study with novel mitochondria-targeted antioxidants - the Skulachev-ion-derivatives. <i>Biochemistry (Moscow)</i> , 2010, 75, 123-129.   | 0.7 | 41        |
| 34 | A-to-I RNA Editing: A Contribution to Diversity of the Transcriptome and an Organism's Development. <i>Biochemistry (Moscow)</i> , 2010, 75, 1316-1323.  | 0.7 | 6         |
| 35 | Mitochondria-targeted plastoquinone derivatives as tools to interrupt execution of the aging program. 1. Cationic plastoquinone derivatives: Synthesis and in vitro studies. <i>Biochemistry (Moscow)</i> , 2008, 73, 1273-1287.   | 0.7 | 267       |
| 36 | Novel mechanism of elimination of malfunctioning mitochondria (mitoptosis): Formation of mitoptotic bodies and extrusion of mitochondrial material from the cell. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 817-825.                                      | 0.5 | 97        |

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|----|--|-----|-----------|
| 37 | Production of reactive oxygen species in mitochondria of HeLa cells under oxidative stress. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 525-534.          | 0.5 | 112       |
| 38 | Effect of oxidative stress on dynamics of mitochondrial reticulum. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 518-524.                                   | 0.5 | 111       |
| 39 | Hydrogen peroxide produced inside mitochondria takes part in cell-to-cell transmission of apoptotic signal. <i>Biochemistry (Moscow)</i> , 2006, 71, 60-67.                      | 0.7 | 28        |
| 40 | Long-distance apoptotic killing of cells is mediated by hydrogen peroxide in a mitochondrial ROS-dependent fashion. <i>Cell Death and Differentiation</i> , 2005, 12, 1442-1444. | 5.0 | 47        |
| 41 | Bioenergetics and death. <i>Biochemistry (Moscow)</i> , 2005, 70, 240-245.   | 0.7 | 14        |
| 42 | Selective elimination of mitochondria from living cells induced by inhibitors of bioenergetic functions. <i>Biochemical Society Transactions</i> , 2004, 32, 1070-1071.          | 1.6 | 34        |
| 43 | Preservation of native properties of mitochondria in rat liver homogenate. <i>Mitochondrion</i> , 2001, 1, 249-267.  | 1.6 | 22        |