

# Andrey V Kuznetsov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7358918/publications.pdf>

Version: 2024-02-01

37  
papers

3,487  
citations

186265

28  
h-index

345221

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

5126  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Analysis of Mitochondrial Function, Structure, and Intracellular Organization In Situ in Cardiomyocytes and Skeletal Muscles. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2252.                             | 4.1 | 8         |
| 2  | Structural and functional remodeling of mitochondria as an adaptive response to energy deprivation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148393.   | 1.0 | 7         |
| 3  | Crosstalk between Mitochondria and Cytoskeleton in Cardiac Cells. <i>Cells</i> , 2020, 9, 222.   | 4.1 | 45        |
| 4  | The Role of Mitochondria in the Mechanisms of Cardiac Ischemia-Reperfusion Injury. <i>Antioxidants</i> , 2019, 8, 454.   | 5.1 | 105       |
| 5  | Mitochondrial permeability transition in cardiac ischemia—reperfusion: whether cyclophilin D is a viable target for cardioprotection?. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2795-2813.                      | 5.4 | 74        |
| 6  | Synchronism in mitochondrial ROS flashes, membrane depolarization and calcium sparks in human carcinoma cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 418-431.                                     | 1.0 | 30        |
| 7  | The impact of cardiac ischemia/reperfusion on the mitochondria—cytoskeleton interactions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1159-1171.   | 3.8 | 18        |
| 8  | Oxidative stress and volatile organic compounds: interplay in pulmonary, cardio-vascular, digestive tract systems and cancer. <i>Open Chemistry</i> , 2015, 13, .  | 1.9 | 38        |
| 9  | Plectin isoform P1b and P1d deficiencies differentially affect mitochondrial morphology and function in skeletal muscle. <i>Human Molecular Genetics</i> , 2015, 24, 4530-4544.  | 2.9 | 48        |
| 10 | H9c2 and HL-1 cells demonstrate distinct features of energy metabolism, mitochondrial function and sensitivity to hypoxia-reoxygenation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 276-284. | 4.1 | 174       |
| 11 | Role of mitochondria—cytoskeleton interactions in respiration regulation and mitochondrial organization in striated muscles. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 232-245.                       | 1.0 | 41        |
| 12 | Cytoskeleton and regulation of mitochondrial function: the role of beta-tubulin II. <i>Frontiers in Physiology</i> , 2013, 4, 82.  | 2.8 | 54        |
| 13 | Mitochondrial Permeability Transition and Cell Death: The Role of Cyclophilin D. <i>Frontiers in Physiology</i> , 2013, 4, 76.   | 2.8 | 126       |
| 14 | Impact of Cold Ischemia on Mitochondrial Function in Porcine Hearts and Blood Vessels. <i>International Journal of Molecular Sciences</i> , 2013, 14, 22042-22051.   | 4.1 | 12        |
| 15 | Intracellular Energetic Units regulate metabolism in cardiac cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 419-436.   | 1.9 | 53        |
| 16 | Studies of the role of tubulin beta II isotype in regulation of mitochondrial respiration in intracellular energetic units in cardiac cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 437-447.          | 1.9 | 33        |
| 17 | Mysterious Ca <sup>2+</sup> -independent muscular contraction: dÅ©jÃ vu. <i>Biochemical Journal</i> , 2012, 445, 333-336.  | 3.7 | 7         |
| 18 | Regulation of respiration in muscle cells in vivo by VDAC through interaction with the cytoskeleton and MtCK within Mitochondrial Interactosome. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1545-1554.  | 2.6 | 80        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Mitochondria-cytoskeleton interaction: Distribution of $\beta$ -tubulins in cardiomyocytes and HL-1 cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 458-469.  | 1.0  | 65        |
| 20 | Changes in mitochondrial redox state, membrane potential and calcium precede mitochondrial dysfunction in doxorubicin-induced cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1144-1152. | 4.1  | 174       |
| 21 | Mitochondrial ROS production under cellular stress: comparison of different detection methods. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2383-2390.  | 3.7  | 150       |
| 22 | Complex patterns of mitochondrial dynamics in human pancreatic cells revealed by fluorescent confocal imaging. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 417-425.   | 3.6  | 18        |
| 23 | Heterogeneity of Mitochondria and Mitochondrial Function within Cells as Another Level of Mitochondrial Complexity. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1911-1929.                                     | 4.1  | 181       |
| 24 | Analysis of mitochondrial function in situ in permeabilized muscle fibers, tissues and cells. <i>Nature Protocols</i> , 2008, 3, 965-976.   | 12.0 | 666       |
| 25 | Survival Signaling by C-RAF: Mitochondrial Reactive Oxygen Species and $Ca^{2+}$ Are Critical Targets. <i>Molecular and Cellular Biology</i> , 2008, 28, 2304-2313.   | 2.3  | 42        |
| 26 | Mitochondrial subpopulations and heterogeneity revealed by confocal imaging: Possible physiological role?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 686-691.  | 1.0  | 95        |
| 27 | Mitochondrial defects and heterogeneous cytochrome release after cardiac cold ischemia and reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1633-H1641.                        | 3.2  | 145       |
| 28 | Subcellular heterogeneity of mitochondrial function and dysfunction: Evidence obtained by confocal imaging. <i>Molecular and Cellular Biochemistry</i> , 2004, 256, 359-365.  | 3.1  | 51        |
| 29 | Regulating cell survival by controlling cellular energy production: novel functions for ancient signaling pathways?. <i>FEBS Letters</i> , 2004, 577, 1-4.  | 2.8  | 21        |
| 30 | Functional heterogeneity of mitochondria after cardiac cold ischemia and reperfusion revealed by confocal imaging. <i>Transplantation</i> , 2004, 77, 754-756.  | 1.0  | 22        |
| 31 | Possible Role of Cytoskeleton in Intracellular Arrangement and Regulation of Mitochondria. <i>Experimental Physiology</i> , 2003, 88, 175-190.  | 2.0  | 141       |
| 32 | Functional Imaging of Mitochondria in Saponin-permeabilized Mice Muscle Fibers. <i>Journal of Cell Biology</i> , 1998, 140, 1091-1099.  | 5.2  | 113       |
| 33 | Muscle Creatine Kinase-deficient Mice. <i>Journal of Biological Chemistry</i> , 1995, 270, 19914-19920.   | 3.4  | 70        |
| 34 | Muscle Creatine Kinase-deficient Mice. <i>Journal of Biological Chemistry</i> , 1995, 270, 19921-19929.   | 3.4  | 169       |
| 35 | Functional characterization of mitochondrial oxidative phosphorylation in saponin-skinned human muscle fibers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1144, 46-53.  | 1.0  | 102       |
| 36 | Mitochondrial respiratory parameters in cardiac tissue: A novel method of assessment by using saponin-skinned fibers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 892, 191-196.                                  | 1.0  | 307       |

| #  | ARTICLE   | IF | CITATIONS |
|----|---|----|-----------|
| 37 | Structural Organization and Dynamics of Mitochondria in the Cellsin Vivo. , 0, , 137-162. |    | 2         |