# Francisca Diaz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2994601/publications.pdf

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|---|---|---|---|
| 50 papers | 4,502 citations | 159585 30 h-index | 182427 51 g-index |
| 54 all docs | 54 docs citations | 54 times ranked | 7278 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nicotine Exposure Along with Oral Contraceptive Treatment in Female Rats Exacerbates Post-cerebral Ischemic Hypoperfusion Potentially via Altered Histamine Metabolism. Translational Stroke Research, 2021, 12, 817-828. | 4.2 | 8 |
| 2 | Simultaneous nicotine and oral contraceptive exposure alters brain energy metabolism and exacerbates ischemic stroke injury in female rats. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 793-804. | 4.3 | 13 |
| 3 | Cardiomyopathic mutations in essential light chain reveal mechanisms regulating the super relaxed state of myosin. Journal of General Physiology, 2021, 153, . | 1.9 | 14 |
| 4 | Enhanced glycolysis and GSK3 inactivation promote brain metabolic adaptations following neuronal mitochondrial stress. Human Molecular Genetics, 2021, , . | 2.9 | 0 |
| 5 | ATAD3A has a scaffolding role regulating mitochondria inner membrane structure and protein assembly. Cell Reports, 2021, 37, 110139. | 6.4 | 34 |
| 6 | Respiratory supercomplexes act as a platform for complex <scp>III</scp> â€mediated maturation of human mitochondrial complexes I and <scp>IV</scp>. EMBO Journal, 2020, 39, e102817. | 7.8 | 102 |
| 7 | Hypoxia Promotes Mitochondrial Complex I Abundance via HIF-1Î± in Complex III and Complex IV Deficient Cells. Cells, 2020, 9, 2197. | 4.1 | 6 |
| 8 | Methods and models for functional studies on mtDNA mutations. , 2020, , 305-349. | | 1 |
| 9 | Mitochondrial disease disrupts hepatic allostasis and lowers the threshold for immune-mediated liver toxicity. Molecular Metabolism, 2020, 37, 100981. | 6.5 | 8 |
| 10 | Impaired mitophagy links mitochondrial disease to epithelial stress in methylmalonyl-CoA mutase deficiency. Nature Communications, 2020, 11, 970. | 12.8 | 65 |
| 11 | Myopathy reversion in mice after restauration of mitochondrial complex I. EMBO Molecular Medicine, 2020, 12, e10674. | 6.9 | 29 |
| 12 | Metformin delays neurological symptom onset in a mouse model of neuronal complex I deficiency. JCI Insight, 2020, 5, . | 5.0 | 8 |
| 13 | Photobiomodulation enhancement of cell proliferation at 660â€¯nm does not require cytochrome c oxidase. Journal of Photochemistry and Photobiology B: Biology, 2019, 194, 71-75. | 3.8 | 51 |
| 14 | Ablation of Cytochrome c in Adult Forebrain Neurons Impairs Oxidative Phosphorylation Without Detectable Apoptosis. Molecular Neurobiology, 2019, 56, 3722-3735. | 4.0 | 9 |
| 15 | Overexpression of <scp>PGC</scp>â€1Î± in aging muscle enhances a subset of youngâ€like molecular patterns. Aging Cell, 2018, 17, e12707. | 6.7 | 57 |
| 16 | The Organization of Mitochondrial Supercomplexes is Modulated by Oxidative Stress In Vivo in Mouse Models of Mitochondrial Encephalopathy. International Journal of Molecular Sciences, 2018, 19, 1582. | 4.1 | 16 |
| 17 | ATAD3 controls mitochondrial cristae structure, influencing mtDNA replication and cholesterol levels in muscle. Journal of Cell Science, 2018, 131, . | 2.0 | 68 |
| 18 | Cytochrome c Oxidase Activity Is a Metabolic Checkpoint that Regulates Cell Fate Decisions During T Cell Activation and Differentiation. Cell Metabolism, 2017, 25, 1254-1268.e7. | 16.2 | 125 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Respiration-Deficient Astrocytes Survive As Glycolytic CellsIn Vivo. Journal of Neuroscience, 2017, 37, 4231-4242. | 3.6 | 97 |
| 20 | GSNOR Deficiency EnhancesIn SituSkeletal Muscle Strength, Fatigue Resistance, and RyR1 S-Nitrosylation Without Impacting Mitochondrial Content and Activity. Antioxidants and Redox Signaling, 2017, 26, 165-181. | 5.4 | 18 |
| 21 | The CoQH2/CoQ Ratio Serves as a Sensor of Respiratory Chain Efficiency. Cell Reports, 2016, 15, 197-209. | 6.4 | 215 |
| 22 | Pioglitazone ameliorates the phenotype of a novel Parkinsonâ€™s disease mouse model by reducing neuroinflammation. Molecular Neurodegeneration, 2016, 11, 25. | 10.8 | 57 |
| 23 | Enhanced Transcriptional Activity and Mitochondrial Localization of STAT3 Co-induce Axon Regrowth in the Adult Central Nervous System. Cell Reports, 2016, 15, 398-410. | 6.4 | 91 |
| 24 | Sustained AMPK activation improves muscle function in a mitochondrial myopathy mouse model by promoting muscle fiber regeneration. Human Molecular Genetics, 2016, 25, 3178-3191. | 2.9 | 23 |
| 25 | Mitochondrial Diseases Part I: Mouse models of OXPHOS deficiencies caused by defects in respiratory complex subunits or assembly factors. Mitochondrion, 2015, 21, 76-91. | 3.4 | 36 |
| 26 | The Mitochondrial Metallochaperone SCO1 Is Required to Sustain Expression of the High-Affinity Copper Transporter CTR1 and Preserve Copper Homeostasis. Cell Reports, 2015, 10, 933-943. | 6.4 | 37 |
| 27 | Mitochondrial Diseases Part II: Mouse models of OXPHOS deficiencies caused by defects in regulatory factors and other components required for mitochondrial function. Mitochondrion, 2015, 22, 96-118. | 3.4 | 23 |
| 28 | Mitochondrial Diseases Part III: Therapeutic interventions in mouse models of OXPHOS deficiencies. Mitochondrion, 2015, 23, 71-80. | 3.4 | 10 |
| 29 | Periodic Estrogen Receptor-Beta Activation: A Novel Approach to Prevent Ischemic Brain Damage. Neurochemical Research, 2015, 40, 2009-2017. | 3.3 | 15 |
| 30 | Partial complex I deficiency due to the CNS conditional ablation of Ndufa5 results in a mild chronic encephalopathy but no increase in oxidative damage. Human Molecular Genetics, 2014, 23, 1399-1412. | 2.9 | 33 |
| 31 | Oral Contraceptives and Nicotine Synergistically Exacerbate Cerebral Ischemic Injury in the Female Brain. Translational Stroke Research, 2013, 4, 402-412. | 4.2 | 11 |
| 32 | Cells Lacking Rieske Iron-Sulfur Protein Have a Reactive Oxygen Species-Associated Decrease in Respiratory Complexes I and IV. Molecular and Cellular Biology, 2012, 32, 415-429. | 2.3 | 107 |
| 33 | A defect in the mitochondrial complex III, but not complex IV, triggers early ROS-dependent damage in defined brain regions. Human Molecular Genetics, 2012, 21, 5066-5077. | 2.9 | 81 |
| 34 | Glycolytic oligodendrocytes maintain myelin and long-term axonal integrity. Nature, 2012, 485, 517-521. | 27.8 | 1,120 |
| 35 | Mitochondrial disorders caused by mutations in respiratory chain assembly factors. Seminars in Fetal and Neonatal Medicine, 2011, 16, 197-204. | 2.3 | 51 |
| 36 | Cytochrome c oxidase deficiency: Patients and animal models. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 100-110. | 3.8 | 113 |

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|---|---|---|---|
| 37 | PGC-1Î±/Î² induced expression partially compensates for respiratory chain defects in cells from patients with mitochondrial disorders. Human Molecular Genetics, 2009, 18, 1805-1812. | 2.9 | 99 |
| 38 | Endurance exercise is protective for mice with mitochondrial myopathy. Journal of Applied Physiology, 2009, 106, 1712-1719. | 2.5 | 76 |
| 39 | Mouse models of oxidative phosphorylation defects: Powerful tools to study the pathobiology of mitochondrial diseases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 171-180. | 4.1 | 33 |
| 40 | Evaluation of the Mitochondrial Respiratory Chain and Oxidative Phosphorylation System Using Blue Native Gel Electrophoresis. Current Protocols in Human Genetics, 2009, 63, Unit19.4. | 3.5 | 49 |
| 41 | Evaluation of the Mitochondrial Respiratory Chain and Oxidative Phosphorylation System Using Polarography and Spectrophotometric Enzyme Assays. Current Protocols in Human Genetics, 2009, 63, Unit19.3. | 3.5 | 178 |
| 42 | A 3â€² UTR Modification of the Mitochondrial Rieske Iron Sulfur Protein in Mice Produces a Specific Skin Pigmentation Phenotype. Journal of Investigative Dermatology, 2008, 128, 2343-2345. | 0.7 | 8 |
| 43 | Mitochondrial biogenesis and turnover. Cell Calcium, 2008, 44, 24-35. | 2.4 | 118 |
| 44 | Cytochrome c oxidase deficiency in neurons decreases both oxidative stress and amyloid formation in a mouse model of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14163-14168. | 7.1 | 160 |
| 45 | Role of Cytochrome c in Apoptosis: Increased Sensitivity to Tumor Necrosis Factor Alpha Is Associated with Respiratory Defects but Not with Lack of Cytochrome c Release. Molecular and Cellular Biology, 2007, 27, 1771-1783. | 2.3 | 54 |
| 46 | Cytochrome c Oxidase Is Required for the Assembly/Stability of Respiratory Complex I in Mouse Fibroblasts. Molecular and Cellular Biology, 2006, 26, 4872-4881. | 2.3 | 213 |
| 47 | Mice lacking COX10 in skeletal muscle recapitulate the phenotype of progressive mitochondrial myopathies associated with cytochrome c oxidase deficiency. Human Molecular Genetics, 2005, 14, 2737-2748. | 2.9 | 145 |
| 48 | Human mitochondrial DNA with large deletions repopulates organelles faster than full-length genomes under relaxed copy number control. Nucleic Acids Research, 2002, 30, 4626-4633. | 14.5 | 139 |
| 49 | An out-of-frame cytochromeb gene deletion from a patient with parkinsonism is associated with impaired complex III assembly and an increase in free radical production. Annals of Neurology, 2000, 48, 774-781. | 5.3 | 126 |
| 50 | An outâ€ofâ€frame cytochrome b gene deletion from a patient with parkinsonism is associated with impaired complex III assembly and an increase in free radical production. Annals of Neurology, 2000, 48, 774-781. | 5.3 | 2 |