

Anne-Laure Charles

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,330
citations

361045

20
h-index

360668

35
g-index

48
all docs

48
docs citations

48
times ranked

2025
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Pathophysiology of Heart Failure: A Role for Peripheral Blood Mononuclear Cells Mitochondrial Dysfunction?. <i>Journal of Clinical Medicine</i> , 2022, 11, 741. | 1.0 | 6 |
| 2 | Prolonged Cold Ischemia Did Not Impair Mitochondrial Oxygen Consumption or Reactive Oxygen Species Production in Human Uterine Fundus and Horn Myometrium. <i>Oxygen</i> , 2022, 2, 12-21. | 1.6 | 0 |
| 3 | Impaired Myocardial Mitochondrial Function in an Experimental Model of Anaphylactic Shock. <i>Biology</i> , 2022, 11, 730. | 1.3 | 2 |
| 4 | Beneficial Effects of Ketogenic Diet on Nonalcoholic Steatohepatitis in Obese Mice Model. , 2022, 12, . | | 0 |
| 5 | Resolution of Inflammation after Skeletal Muscle Ischemiaâ€“Reperfusion Injury: A Focus on the Lipid Mediators Lipoxins, Resolvins, Protectins and Maresins. <i>Antioxidants</i> , 2022, 11, 1213. | 2.2 | 4 |
| 6 | Octanoic Acid-Enrichment Diet Improves Endurance Capacity and Reprograms Mitochondrial Biogenesis in Skeletal Muscle of Mice. <i>Nutrients</i> , 2022, 14, 2721. | 1.7 | 4 |
| 7 | Computer-assisted quantification and visualization of bowel perfusion using fluorescence-based enhanced reality in left-sided colonic resections. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 4321-4331. | 1.3 | 42 |
| 8 | Intraoperative Perfusion Assessment in Enhanced Reality Using Quantitative Optical Imaging: An Experimental Study in a Pancreatic Partial Ischemia Model. <i>Diagnostics</i> , 2021, 11, 93. | 1.3 | 11 |
| 9 | Digestive nâ€™ Lipid Oxidation, a Key Trigger of Vascular Dysfunction and Atherosclerosis in the Western Diet: Protective Effects of Apple Polyphenols. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000487. | 1.5 | 13 |
| 10 | Pathophysiological Effects of Overactive STIM1 on Murine Muscle Function and Structure. <i>Cells</i> , 2021, 10, 1730. | 1.8 | 10 |
| 11 | Deleterious Effects of Remote Ischaemic Per-conditioning During Lower Limb Ischaemiaâ€“Reperfusion in Mice. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 953-959. | 0.8 | 3 |
| 12 | HYPerspectral Enhanced Reality (HYPER): a physiology-based surgical guidance tool. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 1736-1744. | 1.3 | 48 |
| 13 | Hyperspectral Imaging Quantification of Mouse Limb Microcirculation Using an Ischemia Reperfusion Model with Phosphodiesterase 5 Inhibitor Preconditioning. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2020, 30, 942-947. | 0.5 | 0 |
| 14 | New Insights into the Implication of Mitochondrial Dysfunction in Tissue, Peripheral Blood Mononuclear Cells, and Platelets during Lung Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 1253. | 1.0 | 9 |
| 15 | Sarcopenia and peripheral arterial disease: a systematic review. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 866-886. | 2.9 | 58 |
| 16 | Peripheral Blood Mononuclear Cells and Platelets Mitochondrial Dysfunction, Oxidative Stress, and Circulating mtDNA in Cardiovascular Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 311. | 1.0 | 29 |
| 17 | Mitochondrial Function in Peripheral Blood Mononuclear Cells (PBMC) Is Enhanced, Together with Increased Reactive Oxygen Species, in Severe Asthmatic Patients in Exacerbation. <i>Journal of Clinical Medicine</i> , 2019, 8, 1613. | 1.0 | 16 |
| 18 | Critical Limb Ischaemia Exacerbates Mitochondrial Dysfunction in ApoEâ€“/â€“ Mice Compared with ApoE+/+ Mice, but N-acetyl Cysteine still Confers Protection. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, 576-582. | 0.8 | 8 |

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|----|---|-----|-----------|
| 19 | Effects of a High Fat Meal Associated with Water, Juice, or Champagne Consumption on Endothelial Function and Markers of Oxidative Stress and Inflammation in Young, Healthy Subjects. <i>Journal of Clinical Medicine</i> , 2019, 8, 859. | 1.0 | 8 |
| 20 | Aging Exacerbates Ischemia-Reperfusion-Induced Mitochondrial Respiration Impairment in Skeletal Muscle. <i>Antioxidants</i> , 2019, 8, 168. | 2.2 | 11 |
| 21 | Beneficial Effect of Exercise on Cognitive Function during Peripheral Arterial Disease: Potential Involvement of Myokines and Microglial Anti-Inflammatory Phenotype Enhancement. <i>Journal of Clinical Medicine</i> , 2019, 8, 653. | 1.0 | 10 |
| 22 | Effect of the Phosphodiesterase 5 Inhibitor Sildenafil on Ischemia-Reperfusion-Induced Muscle Mitochondrial Dysfunction and Oxidative Stress. <i>Antioxidants</i> , 2019, 8, 93. | 2.2 | 8 |
| 23 | The Rise of Mitochondria in Peripheral Arterial Disease Physiopathology: Experimental and Clinical Data. <i>Journal of Clinical Medicine</i> , 2019, 8, 2125. | 1.0 | 27 |
| 24 | Does Transcatheter Aortic Valve Replacement Modulate the Kinetic of Superoxide Anion Generation?. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 420-426. | 2.5 | 9 |
| 25 | Septic Shock Alters Mitochondrial Respiration of Lymphoid Cell-Lines and Human Peripheral Blood Mononuclear Cells: The Role of Plasma. <i>Shock</i> , 2019, 51, 97-104. | 1.0 | 10 |
| 26 | Impact of valve-less vs. standard insufflation on pneumoperitoneum volume, inflammation, and peritoneal physiology in a laparoscopic sigmoid resection experimental model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 3215-3224. | 1.3 | 2 |
| 27 | N-Acetyl Cysteine Restores Limb Function, Improves Mitochondrial Respiration, and Reduces Oxidative Stress in a Murine Model of Critical Limb Ischaemia. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018, 56, 730-738. | 0.8 | 13 |
| 28 | Neutrophils recruited by leukotriene B4 induce features of plaque destabilization during endotoxaemia. <i>Cardiovascular Research</i> , 2018, 114, 1656-1666. | 1.8 | 34 |
| 29 | Diabetes Worsens Skeletal Muscle Mitochondrial Function, Oxidative Stress, and Apoptosis After Lower-Limb Ischemia-Reperfusion: Implication of the RISK and SAFE Pathways?. <i>Frontiers in Physiology</i> , 2018, 9, 579. | 1.3 | 25 |
| 30 | Mitochondria: An Organelle of Bacterial Origin Controlling Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 536. | 2.2 | 100 |
| 31 | Precision real-time evaluation of bowel perfusion: accuracy of confocal endomicroscopy assessment of stoma in a controlled hemorrhagic shock model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 680-691. | 1.3 | 10 |
| 32 | Effect of nasal allergen challenge in allergic rhinitis on mitochondrial function of peripheral blood mononuclear cells. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 118, 367-369. | 0.5 | 10 |
| 33 | Effects of cyclic nucleotide phosphodiesterases (PDEs) on mitochondrial skeletal muscle functions. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 1883-1893. | 2.4 | 20 |
| 34 | Muscles Susceptibility to Ischemia-Reperfusion Injuries Depends on Fiber Type Specific Antioxidant Level. <i>Frontiers in Physiology</i> , 2017, 8, 52. | 1.3 | 40 |
| 35 | Moderate Exercise Allows for shorter Recovery Time in Critical Limb Ischemia. <i>Frontiers in Physiology</i> , 2017, 8, 523. | 1.3 | 15 |
| 36 | Skeletal muscle ischemia-reperfusion injury and cyclosporine A in the aging rat. <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 216-225. | 1.0 | 16 |

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|----|--|-----|-----------|
| 37 | Mitochondrial function following downhill and/or uphill exercise training in rats. <i>Muscle and Nerve</i> , 2016, 54, 925-935. | 1.0 | 10 |
| 38 | Chronology of mitochondrial and cellular events during skeletal muscle ischemia-reperfusion. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C968-C982. | 2.1 | 89 |
| 39 | Tetrahydrocannabinol Induces Brain Mitochondrial Respiratory Chain Dysfunction and Increases Oxidative Stress: A Potential Mechanism Involved in Cannabis-Related Stroke. <i>BioMed Research International</i> , 2015, 2015, 1-7. | 0.9 | 105 |
| 40 | Reductive stress impairs myoblasts mitochondrial function and triggers mitochondrial hormesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1574-1585. | 1.9 | 80 |
| 41 | Metabolism-Guided Bowel Resection. <i>Surgical Innovation</i> , 2015, 22, 453-461. | 0.4 | 20 |
| 42 | Enhanced-Reality Video Fluorescence. <i>Annals of Surgery</i> , 2014, 259, 700-707. | 2.1 | 145 |
| 43 | Mitochondria: Mitochondrial participation in ischemia-reperfusion injury in skeletal muscle. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 101-105. | 1.2 | 71 |
| 44 | Oxidative stress precedes skeletal muscle mitochondrial dysfunction during experimental aortic cross-clamping but is not associated with early lung, heart, brain, liver, or kidney mitochondrial impairment. <i>Journal of Vascular Surgery</i> , 2014, 60, 1043-1051.e5. | 0.6 | 30 |
| 45 | Polyphenols prevent ageing-related impairment in skeletal muscle mitochondrial function through decreased reactive oxygen species production. <i>Experimental Physiology</i> , 2013, 98, 536-545. | 0.9 | 39 |
| 46 | Cyclosporine A normalizes mitochondrial coupling, reactive oxygen species production, and inflammation and partially restores skeletal muscle maximal oxidative capacity in experimental aortic cross-clamping. <i>Journal of Vascular Surgery</i> , 2013, 57, 1100-1108.e2. | 0.6 | 37 |
| 47 | Pretreatment with brain natriuretic peptide reduces skeletal muscle mitochondrial dysfunction and oxidative stress after ischemia-reperfusion. <i>Journal of Applied Physiology</i> , 2013, 114, 172-179. | 1.2 | 28 |
| 48 | Remote and local ischemic preconditioning equivalently protects rat skeletal muscle mitochondrial function during experimental aortic cross-clamping. <i>Journal of Vascular Surgery</i> , 2012, 55, 497-505.e1. | 0.6 | 45 |