

Olivier Meilhac

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4186770/publications.pdf>

Version: 2024-02-01

105
papers

4,463
citations

76326

40
h-index

118850

62
g-index

106
all docs

106
docs citations

106
times ranked

5508
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Genome-Wide Characterization of a Highly Penetrant Form of Hyperlipoprotein(a)emia Associated With Genetically Elevated Cardiovascular Risk. <i>Circulation Genomic and Precision Medicine</i> , 2022, 15, CIRCGEN121003489. | 3.6 | 5 |
| 2 | Links between Insulin Resistance and Periodontal Bacteria: Insights on Molecular Players and Therapeutic Potential of Polyphenols. <i>Biomolecules</i> , 2022, 12, 378. | 4.0 | 8 |
| 3 | ApoA-I Nanoparticles as Curcumin Carriers for Cerebral Endothelial Cells: Improved Cytoprotective Effects against Methylglyoxal. <i>Pharmaceuticals</i> , 2022, 15, 347. | 3.8 | 3 |
| 4 | <i>Hypericum lanceolatum</i> Lam. Medicinal Plant: Potential Toxicity and Therapeutic Effects Based on a Zebrafish Model. <i>Frontiers in Pharmacology</i> , 2022, 13, 832928. | 3.5 | 10 |
| 5 | Antioxidant and Cytoprotective Properties of Polyphenol-Rich Extracts from <i>Antirhea borbonica</i> and <i>Doratoxylon apetalum</i> against Atherogenic Lipids in Human Endothelial Cells. <i>Antioxidants</i> , 2022, 11, 34. | 5.1 | 0 |
| 6 | First Recombinant High-Density Lipoprotein Particles Administration in a Severe ICU COVID-19 Patient, a Multi-Omics Exploratory Investigation. <i>Biomedicines</i> , 2022, 10, 754. | 3.2 | 14 |
| 7 | Antioxidant Polyphenols of <i>Antirhea borbonica</i> Medicinal Plant and Caffeic Acid Reduce Cerebrovascular, Inflammatory and Metabolic Disorders Aggravated by High-Fat Diet-Induced Obesity in a Mouse Model of Stroke. <i>Antioxidants</i> , 2022, 11, 858. | 5.1 | 17 |
| 8 | Distribution of Adiponectin Receptors in the Brain of Adult Mouse: Effect of a Single Dose of the Adiponectin Receptor Agonist, AdipoRON, on Ischemic Stroke. <i>Brain Sciences</i> , 2022, 12, 680. | 2.3 | 6 |
| 9 | Aqueous Extract of <i>Psiloxylon mauritianum</i> , Rich in Gallic Acid, Prevents Obesity and Associated Deleterious Effects in Zebrafish. <i>Antioxidants</i> , 2022, 11, 1309. | 5.1 | 5 |
| 10 | Impact of Enhanced Phagocytosis of Glycated Erythrocytes on Human Endothelial Cell Functions. <i>Cells</i> , 2022, 11, 2200. | 4.1 | 2 |
| 11 | Advanced glycation end-products disrupt brain microvascular endothelial cell barrier: The role of mitochondria and oxidative stress. <i>Microvascular Research</i> , 2021, 133, 104098. | 2.5 | 22 |
| 12 | Altered high-density lipoprotein composition and functions during severe COVID-19. <i>Scientific Reports</i> , 2021, 11, 2291. | 3.3 | 77 |
| 13 | Protective Effects of Medicinal Plant Decoctions on Macrophages in the Context of Atherosclerosis. <i>Nutrients</i> , 2021, 13, 280. | 4.1 | 6 |
| 14 | HDL biodistribution and brain receptors in zebrafish, using HDLs as vectors for targeting endothelial cells and neural progenitors. <i>Scientific Reports</i> , 2021, 11, 6439. | 3.3 | 7 |
| 15 | Caffeic Acid, One of the Major Phenolic Acids of the Medicinal Plant <i>Antirhea borbonica</i> , Reduces Renal Tubulointerstitial Fibrosis. <i>Biomedicines</i> , 2021, 9, 358. | 3.2 | 10 |
| 16 | High-Fat Diet Aggravates Cerebral Infarct, Hemorrhagic Transformation and Neuroinflammation in a Mouse Stroke Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4571. | 4.1 | 13 |
| 17 | Deleterious Effects of Overfeeding on Brain Homeostasis and Plasticity in Adult Zebrafish. <i>Zebrafish</i> , 2021, 18, 190-206. | 1.1 | 8 |
| 18 | Erythrocytes: Central Actors in Multiple Scenes of Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5843. | 4.1 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Lipoprotein concentration in patients requiring extracorporeal membrane oxygenation. <i>Scientific Reports</i> , 2021, 11, 17225. | 3.3 | 4 |
| 20 | PCSK9 (Proprotein Convertase Subtilisin Kexin Type 9) Inhibition in Hyperglycemic Mice Increases the Risk of Hemorrhagic Transformation of Ischemic Stroke. <i>Stroke</i> , 2021, 52, e545-e547. | 2.0 | 1 |
| 21 | Macrophages in Atherosclerosis, First or Second Row Players?. <i>Biomedicines</i> , 2021, 9, 1214. | 3.2 | 11 |
| 22 | Relationship between lipoprotein concentrations and short-term and 1-year mortality in intensive care unit septic patients: results from the HIGHSEPS study. <i>Annals of Intensive Care</i> , 2021, 11, 11. | 4.6 | 20 |
| 23 | High-Density Lipoprotein Therapy in Stroke: Evaluation of Endothelial SR-BI-Dependent Neuroprotective Effects. <i>International Journal of Molecular Sciences</i> , 2021, 22, 106. | 4.1 | 18 |
| 24 | Lack of Neuroprotective Effects of High-Density Lipoprotein Therapy in Stroke under Acute Hyperglycemic Conditions. <i>Molecules</i> , 2021, 26, 6365. | 3.8 | 3 |
| 25 | Phenolic Profile of Herbal Infusion and Polyphenol-Rich Extract from Leaves of the Medicinal Plant <i>Antirhea borbonica</i> : Toxicity Assay Determination in Zebrafish Embryos and Larvae. <i>Molecules</i> , 2020, 25, 4482. | 3.8 | 12 |
| 26 | Evaluation of Polyphenol Content and Antioxidant Capacity of Aqueous Extracts from Eight Medicinal Plants from Reunion Island: Protection against Oxidative Stress in Red Blood Cells and Preadipocytes. <i>Antioxidants</i> , 2020, 9, 959. | 5.1 | 17 |
| 27 | Changes in High-Density Lipoproteins Related to Outcomes in Patients with Acute Stroke. <i>Journal of Clinical Medicine</i> , 2020, 9, 2269. | 2.4 | 12 |
| 28 | Assessment of Inflammation and Calcification in Pseudothrombosed Arteries and Skin with ¹⁸ F-Fluorodeoxyglucose and ¹⁸ F-Sodium Fluoride Positron Emission Tomography/Computed Tomography Imaging: The GOCAPXE Trial. <i>Journal of Clinical Medicine</i> , 2020, 9, 3448. | 2.4 | 15 |
| 29 | Lipoprotein concentrations over time in the intensive care unit COVID-19 patients: Results from the ApoCOVID study. <i>PLoS ONE</i> , 2020, 15, e0239573. | 2.5 | 57 |
| 30 | Impaired brain homeostasis and neurogenesis in diet-induced overweight zebrafish: a preventive role from <i>A. borbonica</i> extract. <i>Scientific Reports</i> , 2020, 10, 14496. | 3.3 | 21 |
| 31 | <i>Antirhea borbonica</i> Aqueous Extract Protects Albumin and Erythrocytes from Glycoxidative Damages. <i>Antioxidants</i> , 2020, 9, 415. | 5.1 | 16 |
| 32 | Enhanced oxidative stress and damage in glycated erythrocytes. <i>PLoS ONE</i> , 2020, 15, e0235335. | 2.5 | 38 |
| 33 | High-Density Lipoproteins Are Bug Scavengers. <i>Biomolecules</i> , 2020, 10, 598. | 4.0 | 49 |
| 34 | High-density lipoproteins during sepsis: from bench to bedside. <i>Critical Care</i> , 2020, 24, 134. | 5.8 | 110 |
| 35 | Protective Effects of Antioxidant Polyphenols against Hyperglycemia-Mediated Alterations in Cerebral Endothelial Cells and a Mouse Stroke Model. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900779. | 3.3 | 22 |
| 36 | Reconstituted High-density Lipoprotein Therapy Improves Survival in Mouse Models of Sepsis. <i>Anesthesiology</i> , 2020, 132, 825-838. | 2.5 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Aging and glycation promote erythrocyte phagocytosis by human endothelial cells: Potential impact in atherothrombosis under diabetic conditions. <i>Atherosclerosis</i> , 2019, 291, 87-98. | 0.8 | 31 |
| 38 | High-density lipoprotein (HDL) particle size and concentration changes in septic shock patients. <i>Annals of Intensive Care</i> , 2019, 9, 68. | 4.6 | 52 |
| 39 | High-density Lipoproteins (HDLs): Biomarkers or bio-actors of abdominal aortic aneurysmal disease?. <i>EBioMedicine</i> , 2019, 43, 5-6. | 6.1 | 0 |
| 40 | Development, synthesis, and ⁶⁸ Ga-Labeling of a Lipophilic complexing agent for atherosclerosis PET imaging. <i>European Journal of Medicinal Chemistry</i> , 2019, 176, 129-134. | 5.5 | 8 |
| 41 | Expression of adiponectin receptors in the brain of adult zebrafish and mouse: Links with neurogenic niches and brain repair. <i>Journal of Comparative Neurology</i> , 2019, 527, 2317-2333. | 1.6 | 21 |
| 42 | Advanced glycation end-products disrupt human endothelial cells redox homeostasis: new insights into reactive oxygen species production. <i>Free Radical Research</i> , 2019, 53, 150-169. | 3.3 | 40 |
| 43 | Synthesis and Automated Labeling of [¹⁸ F]Darapladib, a Lp-PLA ₂ Ligand, as Potential PET Imaging Tool of Atherosclerosis. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 743-748. | 2.8 | 10 |
| 44 | Subversion of the Heme Oxygenase-1 Antiviral Activity by Zika Virus. <i>Viruses</i> , 2019, 11, 2. | 3.3 | 47 |
| 45 | Circulating Concentrations of Redox Biomarkers Do Not Improve the Prediction of Adverse Cardiovascular Events in Patients With Type 2 Diabetes Mellitus. <i>Journal of the American Heart Association</i> , 2018, 7, . | 3.7 | 22 |
| 46 | Regioselectivity of thiouracil alkylation: Application to optimization of Darapladib synthesis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 787-792. | 2.2 | 3 |
| 47 | A hemorrhagic transformation model of mechanical stroke therapy with acute hyperglycemia in mice. <i>Journal of Comparative Neurology</i> , 2018, 526, 1006-1016. | 1.6 | 28 |
| 48 | Steroid Transport, Local Synthesis, and Signaling within the Brain: Roles in Neurogenesis, Neuroprotection, and Sexual Behaviors. <i>Frontiers in Neuroscience</i> , 2018, 12, 84. | 2.8 | 110 |
| 49 | Impaired constitutive and regenerative neurogenesis in adult hyperglycemic zebrafish. <i>Journal of Comparative Neurology</i> , 2017, 525, 442-458. | 1.6 | 48 |
| 50 | <i>Porphyromonas gingivalis</i> lipopolysaccharide induces pro-inflammatory adipokine secretion and oxidative stress by regulating Toll-like receptor-mediated signaling pathways and redox enzymes in adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2017, 446, 102-110. | 3.2 | 62 |
| 51 | Anti-inflammatory and antioxidant effects of polyphenols extracted from <i>Antirhea borbonica</i> medicinal plant on adipocytes exposed to <i>Porphyromonas gingivalis</i> and <i>Escherichia coli</i> lipopolysaccharides. <i>Pharmacological Research</i> , 2017, 119, 303-312. | 7.1 | 44 |
| 52 | Diabetes, adult neurogenesis and brain remodeling: New insights from rodent and zebrafish models. <i>Neurogenesis (Austin, Tex)</i> , 2017, 4, e1281862. | 1.5 | 29 |
| 53 | Diabetes-induced hepatic oxidative stress: a new pathogenic role for glycated albumin. <i>Free Radical Biology and Medicine</i> , 2017, 102, 133-148. | 2.9 | 42 |
| 54 | Low HDL levels in sepsis versus trauma patients in intensive care unit. <i>Annals of Intensive Care</i> , 2017, 7, 60. | 4.6 | 54 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | High-density lipoprotein therapy inhibits Porphyromonas gingivalis-induced abdominal aortic aneurysm progression. <i>Thrombosis and Haemostasis</i> , 2016, 115, 789-799. | 3.4 | 10 |
| 56 | Quantitative HDL Proteomics Identifies Peroxiredoxin-6 as a Biomarker of Human Abdominal Aortic Aneurysm. <i>Scientific Reports</i> , 2016, 6, 38477. | 3.3 | 29 |
| 57 | Dysfunctional HDL in acute stroke. <i>Atherosclerosis</i> , 2016, 253, 75-80. | 0.8 | 34 |
| 58 | Elastase inhibitor AZD9668 treatment prevented progression of experimental abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , 2016, 63, 486-492.e1. | 1.1 | 16 |
| 59 | Detection of Apoptotic Cells in a Rabbit Model with Atherosclerosis-Like Lesions Using the Positron Emission Tomography Radiotracer [¹⁸ F]ML-10. <i>Molecular Imaging</i> , 2015, 14, 7290.2015.00017. | 1.4 | 16 |
| 60 | ApoA-I/HDL-C levels are inversely associated with abdominal aortic aneurysm progression. <i>Thrombosis and Haemostasis</i> , 2015, 113, 1335-1346. | 3.4 | 41 |
| 61 | High-Density Lipoproteins in Stroke. <i>Handbook of Experimental Pharmacology</i> , 2015, 224, 509-526. | 1.8 | 15 |
| 62 | Periodontal bacteria in human carotid atherothrombosis as a potential trigger for neutrophil activation. <i>Atherosclerosis</i> , 2014, 236, 448-455. | 0.8 | 66 |
| 63 | Low Levels of Low-Density Lipoprotein-C Associated With Proprotein Convertase Subtilisin Kexin 9 Inhibition Do Not Increase the Risk of Hemorrhagic Transformation. <i>Stroke</i> , 2014, 45, 3086-3088. | 2.0 | 14 |
| 64 | High-Density Lipoproteins Potentiate α -1-Antitrypsin Therapy in Elastase-Induced Pulmonary Emphysema. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 536-549. | 2.9 | 59 |
| 65 | Local carotid atherosclerotic plaque proteins for the identification of circulating biomarkers in coronary patients. <i>Atherosclerosis</i> , 2014, 233, 551-558. | 0.8 | 33 |
| 66 | Impaired high-density lipoprotein anti-oxidant capacity in human abdominal aortic aneurysm. <i>Cardiovascular Research</i> , 2013, 100, 307-315. | 3.8 | 38 |
| 67 | Fucoidan interferes with Porphyromonas gingivalis-induced aneurysm enlargement by decreasing neutrophil activation. <i>Journal of Vascular Surgery</i> , 2013, 57, 796-805. | 1.1 | 16 |
| 68 | High-Density Lipoproteins Limit Neutrophil-Induced Damage to the Blood-Brain Barrier <i>in Vitro</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 575-582. | 4.3 | 39 |
| 69 | High-density Lipoprotein-based Therapy Reduces the Hemorrhagic Complications Associated With Tissue Plasminogen Activator Treatment in Experimental Stroke. <i>Stroke</i> , 2013, 44, 699-707. | 2.0 | 33 |
| 70 | Predominant Role of Host Proteases in Myocardial Damage Associated with Infectious Endocarditis Induced by Enterococcus faecalis in a Rat Model. <i>Infection and Immunity</i> , 2013, 81, 1721-1729. | 2.2 | 20 |
| 71 | A New Murine Model of Endovascular Aortic Aneurysm Repair. <i>Journal of Visualized Experiments</i> , 2013, , e50740. | 0.3 | 3 |
| 72 | From intraplaque haemorrhages to plaque vulnerability. <i>Journal of Cardiovascular Medicine</i> , 2012, 13, 628-634. | 1.5 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Increased plasma levels of NGAL, a marker of neutrophil activation, in patients with abdominal aortic aneurysm. <i>Atherosclerosis</i> , 2012, 220, 552-556. | 0.8 | 52 |
| 74 | Role of Vegetation-Associated Protease Activity in Valve Destruction in Human Infective Endocarditis. <i>PLoS ONE</i> , 2012, 7, e45695. | 2.5 | 15 |
| 75 | Erythrocytes, leukocytes and platelets as a source of oxidative stress in chronic vascular diseases: Detoxifying mechanisms and potential therapeutic options. <i>Thrombosis and Haemostasis</i> , 2012, 108, 435-442. | 3.4 | 58 |
| 76 | Solid-phase hexapeptide ligand libraries open up new perspectives in the discovery of biomarkers in human plasma. <i>Clinica Chimica Acta</i> , 2011, 412, 740-747. | 1.1 | 20 |
| 77 | Heat-shock proteins in cardiovascular disease. <i>Advances in Clinical Chemistry</i> , 2011, 54, 1-43. | 3.7 | 32 |
| 78 | Early Atheroma-Derived Agonists of Peroxisome Proliferator-Activated Receptor- β Trigger Intramedial Angiogenesis in a Smooth Muscle Cell-Dependent Manner. <i>Circulation Research</i> , 2011, 109, 1003-1014. | 4.5 | 46 |
| 79 | <i>Porphyromonas gingivalis</i> Participates in Pathogenesis of Human Abdominal Aortic Aneurysm by Neutrophil Activation. Proof of Concept in Rats. <i>PLoS ONE</i> , 2011, 6, e18679. | 2.5 | 125 |
| 80 | Hemorphin 7 Reflects Hemoglobin Proteolysis in Abdominal Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 269-275. | 2.4 | 32 |
| 81 | Peripheral Artery Disease Is Associated With a High CD163/TWEAK Plasma Ratio. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1253-1262. | 2.4 | 67 |
| 82 | Immaturity of microvessels in haemorrhagic plaques is associated with proteolytic degradation of angiogenic factors. <i>Cardiovascular Research</i> , 2010, 85, 184-193. | 3.8 | 34 |
| 83 | Protective Effect of High-Density Lipoprotein-Based Therapy in a Model of Embolic Stroke. <i>Stroke</i> , 2010, 41, 1536-1542. | 2.0 | 50 |
| 84 | HDL antielastase activity prevents smooth muscle cell anoikis, a potential new antiatherogenic property. <i>FASEB Journal</i> , 2009, 23, 3129-3139. | 0.5 | 86 |
| 85 | Mediators of neutrophil recruitment in human abdominal aortic aneurysms. <i>Cardiovascular Research</i> , 2009, 82, 532-541. | 3.8 | 104 |
| 86 | Plasma Concentration of Heat Shock Protein 27 and Risk of Cardiovascular Disease: A Prospective, Nested Case-Control Study. <i>Clinical Chemistry</i> , 2008, 54, 139-146. | 3.2 | 38 |
| 87 | Macrophages and Platelets Are the Major Source of Protease Nexin-1 in Human Atherosclerotic Plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1844-1850. | 2.4 | 43 |
| 88 | Topological Determinants and Consequences of Adventitial Responses to Arterial Wall Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1259-1268. | 2.4 | 176 |
| 89 | Involvement of intraplaque hemorrhage in atherothrombosis evolution via neutrophil protease enrichment. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1420-1429. | 3.3 | 137 |
| 90 | Topology of protease activities reflects atherothrombotic plaque complexity. <i>Atherosclerosis</i> , 2007, 191, 1-10. | 0.8 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Low plasma levels of HSP70 in patients with carotid atherosclerosis are associated with increased levels of proteolytic markers of neutrophil activation. <i>Atherosclerosis</i> , 2007, 194, 334-341. | 0.8 | 54 |
| 92 | Renewal of Mural Thrombus Releases Plasma Markers and Is Involved in Aortic Abdominal Aneurysm Evolution. <i>American Journal of Pathology</i> , 2006, 168, 1022-1030. | 3.8 | 148 |
| 93 | Biological Significance of Decreased HSP27 in Human Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1337-1343. | 2.4 | 89 |
| 94 | Biology of atherosclerotic plaques: What we are learning from proteomic analysis. <i>Cardiovascular Research</i> , 2006, 72, 18-29. | 3.8 | 42 |
| 95 | Identification by a Differential Proteomic Approach of Heat Shock Protein 27 as a Potential Marker of Atherosclerosis. <i>Circulation</i> , 2004, 110, 2216-2219. | 1.6 | 214 |
| 96 | A paradoxical pro-apoptotic effect of thrombin on smooth muscle cells. <i>Experimental Cell Research</i> , 2004, 299, 279-285. | 2.6 | 25 |
| 97 | Role of Leukocyte Elastase in Preventing Cellular Re-Colonization of the Mural Thrombus. <i>American Journal of Pathology</i> , 2004, 164, 2077-2087. | 3.8 | 121 |
| 98 | Pericellular plasmin induces smooth muscle cell anoikis. <i>FASEB Journal</i> , 2003, 17, 1301-1303. | 0.5 | 97 |
| 99 | Pharmacological Potentiation of Natriuretic Peptide Limits Polymorphonuclear Neutrophil-Vascular Cell Interactions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1824-1831. | 2.4 | 55 |
| 100 | Lipid peroxides induce expression of catalase in cultured vascular cells. <i>Journal of Lipid Research</i> , 2000, 41, 1205-1213. | 4.2 | 103 |
| 101 | Bcl-2 alters the balance between apoptosis and necrosis, but does not prevent cell death induced by oxidized low density lipoproteins. <i>FASEB Journal</i> , 1999, 13, 485-494. | 0.5 | 80 |
| 102 | Oxidants and antioxidants in atherogenesis: an appraisal. <i>Journal of Lipid Research</i> , 1999, 40, 2143-2157. | 4.2 | 157 |
| 103 | Effect of dietary phenolic compounds on apoptosis of human cultured endothelial cells induced by oxidized LDL. <i>British Journal of Pharmacology</i> , 1998, 123, 565-573. | 5.4 | 70 |
| 104 | Oxidized LDLs Induce Massive Apoptosis of Cultured Human Endothelial Cells Through a Calcium-Dependent Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 331-339. | 2.4 | 126 |
| 105 | Mitochondrial Function Is Involved in LDL Oxidation Mediated by Human Cultured Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 1575-1582. | 2.4 | 61 |