# Philippe Rondeau

List of Publications by Year
in descending order



| 66 | 3,262 | 172457 29 | 149698 56 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 66 | 66 | 66 | 5234 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metabolite Profiling of Antioxidant Rich Fractions ofPunica granatumL. Mesocarp and CD36 Expression Regulation. Journal of the American College of Nutrition, 2023, 42, 36-54. | 1.8 | 0 |
| 2 | ApoA-I Nanoparticles as Curcumin Carriers for Cerebral Endothelial Cells: Improved Cytoprotective Effects against Methylglyoxal. Pharmaceuticals, 2022, 15, 347. | 3.8 | 3 |
| 3 | Antioxidant and Cytoprotective Properties of Polyphenol-Rich Extracts from Antirhea borbonica and Doratoxylon apetalum against Atherogenic Lipids in Human Endothelial Cells. Antioxidants, 2022, 11, 34. | 5.1 | 0 |
| 4 | Antioxidant Polyphenols of Antirhea borbonica Medicinal Plant and Caffeic Acid Reduce Cerebrovascular, Inflammatory and Metabolic Disorders Aggravated by High-Fat Diet-Induced Obesity in a Mouse Model of Stroke. Antioxidants, 2022, 11, 858. | 5.1 | 17 |
| 5 | Impact of Enhanced Phagocytosis of Glycated Erythrocytes on Human Endothelial Cell Functions. Cells, 2022, 11, 2200. | 4.1 | 2 |
| 6 | Advanced glycation end-products disrupt brain microvascular endothelial cell barrier: The role of mitochondria and oxidative stress. Microvascular Research, 2021, 133, 104098. | 2.5 | 22 |
| 7 | Caffeic Acid, One of the Major Phenolic Acids of the Medicinal Plant Antirhea borbonica, Reduces Renal Tubulointerstitial Fibrosis. Biomedicines, 2021, 9, 358. | 3.2 | 10 |
| 8 | Erythrocytes: Central Actors in Multiple Scenes of Atherosclerosis. International Journal of Molecular Sciences, 2021, 22, 5843. | 4.1 | 24 |
| 9 | Antiproliferative activity of Syzygium coriaceum, an endemic plant of Mauritius, with its UPLC-MS metabolite fingerprint: A mechanistic study. PLoS ONE, 2021, 16, e0252276. | 2.5 | 9 |
| 10 | Terminalia bentzoÃ«, a Mascarene Endemic Plant, Inhibits Human Hepatocellular Carcinoma Cells Growth In Vitro via G0/G1 Phase Cell Cycle Arrest. Pharmaceuticals, 2020, 13, 303. | 3.8 | 15 |
| 11 | Impaired brain homeostasis and neurogenesis in diet-induced overweight zebrafish: a preventive role from A. borbonica extract. Scientific Reports, 2020, 10, 14496. | 3.3 | 21 |
| 12 | Antirhea borbonica Aqueous Extract Protects Albumin and Erythrocytes from Glycoxidative Damages. Antioxidants, 2020, 9, 415. | 5.1 | 16 |
| 13 | Enhanced oxidative stress and damage in glycated erythrocytes. PLoS ONE, 2020, 15, e0235335. | 2.5 | 38 |
| 14 | Aging and glycation promote erythrocyte phagocytosis by human endothelial cells: Potential impact in atherothrombosis under diabetic conditions. Atherosclerosis, 2019, 291, 87-98. | 0.8 | 31 |
| 15 | Advanced glycation end-products disrupt human endothelial cells redox homeostasis: new insights into reactive oxygen species production. Free Radical Research, 2019, 53, 150-169. | 3.3 | 40 |
| 16 | Hyperglycemia modulates redox, inflammatory and vasoactive markers through specific signaling pathways in cerebral endothelial cells: Insights on insulin protective action. Free Radical Biology and Medicine, 2019, 130, 59-70. | 2.9 | 31 |
| 17 | Circulating Concentrations of Redox Biomarkers Do Not Improve the Prediction of Adverse Cardiovascular Events in Patients With Type 2 Diabetes Mellitus. Journal of the American Heart Association, 2018, 7, . | 3.7 | 22 |
| 18 | A hemorrhagic transformation model of mechanical stroke therapy with acute hyperglycemia in mice. Journal of Comparative Neurology, 2018, 526, 1006-1016. | 1.6 | 28 |

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|---|---|---|---|
| 19 | A facile route to glycated albumin detection. Talanta, 2018, 184, 507-512. | 5.5 | 20 |
| 20 | Glycation of human serum albumin impairs binding to the glucagon-like peptide-1 analogue liraglutide. Journal of Biological Chemistry, 2018, 293, 4778-4791. | 3.4 | 27 |
| 21 | Prognostic Values of Inflammatory and Redox Status Biomarkers on the Risk of Major Lower-Extremity Artery Disease in Individuals With Type 2 Diabetes. Diabetes Care, 2018, 41, 2162-2169. | 8.6 | 14 |
| 22 | Diabetes-induced hepatic oxidative stress: a new pathogenic role for glycated albumin. Free Radical Biology and Medicine, 2017, 102, 133-148. | 2.9 | 42 |
| 23 | Glycated human albumin alters mitochondrial respiration in preadipocyte 3T3â€L1 cells. BioFactors, 2017, 43, 577-592. | 5.4 | 5 |
| 24 | Punica granatum L. mesocarp suppresses advanced glycation end products (AGEs)- and H 2 O 2 -induced oxidative stress and pro-inflammatory biomarkers. Journal of Functional Foods, 2017, 29, 115-126. | 3.4 | 13 |
| 25 | Comparative suppressing effects of black and green teas on the formation of advanced glycation end products (AGEs) and AGE-induced oxidative stress. Food and Function, 2017, 8, 4194-4209. | 4.6 | 25 |
| 26 | Glycation abolishes the cardioprotective effects of albumin during exÂvivo ischemiaâ€reperfusion. Physiological Reports, 2017, 5, e13107. | 1.7 | 6 |
| 27 | Association between Fluorescent Advanced Glycation End-Products and Vascular Complications in Type 2 Diabetic Patients. BioMed Research International, 2017, 2017, 1-10. | 1.9 | 36 |
| 28 | Enhanced oxidative stress in adipose tissue from diabetic mice, possible contribution of glycated albumin. Biochemical and Biophysical Research Communications, 2016, 473, 154-160. | 2.1 | 10 |
| 29 | The South Pacific epidemic strain of Zika virus replicates efficiently in human epithelial A549 cells leading to IFN-Î² production and apoptosis induction. Virology, 2016, 493, 217-226. | 2.4 | 123 |
| 30 | Oxidative Stress and Adipocyte Biology: Focus on the Role of AGEs. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-9. | 4.0 | 51 |
| 31 | Glycation Alters Ligand Binding, Enzymatic, and Pharmacological Properties of Human Albumin. Biochemistry, 2015, 54, 3051-3062. | 2.5 | 35 |
| 32 | Ammonium Sulfate Precipitation but Not Delipidation is a Valuable Method for Human Albumin Preparation for Biological Studies. International Journal of Diabetes & Clinical Diagnosis, 2015, 2, . | 0.2 | 3 |
| 33 | Periodontal bacteria in human carotid atherothrombosis as a potential trigger for neutrophil activation. Atherosclerosis, 2014, 236, 448-455. | 0.8 | 66 |
| 34 | Autotaxin Downregulates LPSâ€induced Microglia Activation and Proâ€inflammatory Cytokines Production. Journal of Cellular Biochemistry, 2014, 115, 2123-2132. | 2.6 | 46 |
| 35 | Relationship between fermented papaya preparation supplementation, erythrocyte integrity and antioxidant status in pre-diabetics. Food and Chemical Toxicology, 2014, 65, 12-17. | 3.6 | 24 |
| 36 | Diabetes as a risk factor to cancer: Functional role of fermented papaya preparation as phytonutraceutical adjunct in the treatment of diabetes and cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2014, 768, 60-68. | 1.0 | 31 |

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|---|---|---|---|
| 37 | Deciphering metal-induced oxidative damages on glycated albumin structure and function. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1712-1724. | 2.4 | 17 |
| 38 | Oxidative damage in diabetics: Insights from a graduate study in <scp>L</scp>a <scp>R</scp>eunion <scp>U</scp>niversity. Biochemistry and Molecular Biology Education, 2014, 42, 435-442. | 1.2 | 1 |
| 39 | New insights into deleterious impacts of in vivo glycation on albumin antioxidant activities. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3532-3541. | 2.4 | 30 |
| 40 | Effectiveness of Green Tea in a Randomized Human Cohort: Relevance to Diabetes and Its Complications. BioMed Research International, 2013, 2013, 1-12. | 1.9 | 51 |
| 41 | Cardio-Metabolic Effects of HIV Protease Inhibitors (Lopinavir/Ritonavir). PLoS ONE, 2013, 8, e73347. | 2.5 | 39 |
| 42 | Oleanolic Acid: A Novel Cardioprotective Agent That Blunts Hyperglycemia-Induced Contractile Dysfunction. PLoS ONE, 2012, 7, e47322. | 2.5 | 40 |
| 43 | Structural modifications of human albumin in diabetes. Diabetes and Metabolism, 2012, 38, 171-178. | 2.9 | 104 |
| 44 | Phytophenolic Nutrients in Citrus: Biochemical and Molecular Evidence. , 2012, , 25-40. | | 0 |
| 45 | Impaired drug-binding capacities of inÂvitro and inÂvivo glycated albumin. Biochimie, 2012, 94, 1960-1967. | 2.6 | 62 |
| 46 | Autotaxin protects microglial cells against oxidative stress. Free Radical Biology and Medicine, 2012, 52, 516-526. | 2.9 | 42 |
| 47 | The glycation of albumin: Structural and functional impacts. Biochimie, 2011, 93, 645-658. | 2.6 | 347 |
| 48 | Thermal aggregation of glycated bovine serum albumin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 789-798. | 2.3 | 106 |
| 49 | Signaling pathways involved in LPS induced TNFalpha production in human adipocytes. Journal of Inflammation, 2010, 7, 1. | 3.4 | 93 |
| 50 | Citrus Fruit Extracts Reduce Advanced Glycation End Products (AGEs)- and H<sub>2</sub>O<sub>2</sub>-Induced Oxidative Stress in Human Adipocytes. Journal of Agricultural and Food Chemistry, 2010, 58, 11119-11129. | 5.2 | 69 |
| 51 | Apolipoprotein E limits oxidative stressâ€induced cell dysfunctions in human adipocytes. FEBS Letters, 2009, 583, 2042-2048. | 2.8 | 28 |
| 52 | Effects of nutritional antioxidants on AAPH- or AGEs-induced oxidative stress in human SW872 liposarcoma cells. Cell Biology and Toxicology, 2009, 25, 635-644. | 5.3 | 29 |
| 53 | The antioxidant properties of serum albumin. FEBS Letters, 2008, 582, 1783-1787. | 2.8 | 870 |
| 54 | Oxidative stresses induced by glycoxidized human or bovine serum albumin on human monocytes. Free Radical Biology and Medicine, 2008, 45, 799-812. | 2.9 | 54 |

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|---|---|---|---|
| 55 | Identification of preferential protein targets for carbonylation in human mature adipocytes treated with native or glycated albumin. Free Radical Research, 2007, 41, 1078-1088. | 3.3 | 37 |
| 56 | Assessment of temperature effects on Î²-aggregation of native and glycated albumin by FTIR spectroscopy and PAGE: Relations between structural changes and antioxidant properties. Archives of Biochemistry and Biophysics, 2007, 460, 141-150. | 3.0 | 56 |
| 57 | Chemical and near-infrared determination of moisture, fat and protein in tuna fishes. Food Chemistry, 2007, 102, 669-675. | 8.2 | 88 |
| 58 | Effects ofÂoxidative modifications induced byÂtheÂglycation ofÂbovine serum albumin onÂitsÂstructure andÂonÂcultured adipose cells. Biochimie, 2006, 88, 1467-1477. | 2.6 | 75 |
| 59 | Attenuated Total Reflection-Fourier transform infrared analysis of the fermentation process of pineapple. Analytica Chimica Acta, 2005, 545, 99-106. | 5.4 | 26 |
| 60 | Volatile constituents of fiveCitrus Petitgrain essential oils from Reunion. Flavour and Fragrance Journal, 2005, 20, 399-402. | 2.6 | 26 |
| 61 | Quantification of alcohol in beverages by density and infrared spectroscopy methods. International Journal of Food Sciences and Nutrition, 2005, 56, 177-183. | 2.8 | 4 |
| 62 | Study of the Interactions between Sucrose and Metal Ions (Mg2+ and K+) and Their Simultaneous Quantification in Ternary Mixture by Mid-Infrared and 13C Nuclear Magnetic Resonance Spectroscopies. Applied Spectroscopy, 2004, 58, 816-822. | 2.2 | 7 |
| 63 | Sugar Interaction with Metals in Aqueous Solution: Indirect Determination from Infrared and Direct Determination from Nuclear Magnetic Resonance Spectroscopy. Applied Spectroscopy, 2003, 57, 466-472. | 2.2 | 21 |
| 64 | INDIRECT METAL ION (K+, NA+, MG2+, AND CA2+) QUANTIFICATION FROM INFRARED SPECTROSCOPY. Applied Spectroscopy Reviews, 2002, 37, 119-136. | 6.7 | 8 |
| 65 | Stabilisation of spread monolayers of an amine-functionalised biphenyl mesogen by association with a carboxymethyl cellulose salt. Macromolecular Chemistry and Physics, 2000, 201, 2535-2541. | 2.2 | 2 |
| 66 | Monolayers of Cellulose Ethers at the Airâ^'Water Interface. Langmuir, 1996, 12, 5614-5619. | 3.5 | 24 |