

# Emmanuel Bourdon

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|-------------------|-------------------------|----------------|----------------|
| 78<br>papers      | 3,488<br>citations      | 30<br>h-index  | 58<br>g-index  |
| 80<br>ext. papers | 3,893<br>ext. citations | 4.2<br>avg, IF | 5.2<br>L-index |

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 78 | Metabolite Profiling of Antioxidant Rich Fractions of L. Mesocarp and CD36 Expression Regulation. <i>Journal of the American College of Nutrition</i> , <b>2021</b> , 1-19                            | 3.5 |           |
| 77 | Erythrocytes: Central Actors in Multiple Scenes of Atherosclerosis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,  | 6.3 | 5         |
| 76 | Antiproliferative activity of Syzygium coriaceum, an endemic plant of Mauritius, with its UPLC-MS metabolite fingerprint: A mechanistic study. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252276           | 3.7 | 3         |
| 75 | Aqueous Extract Protects Albumin and Erythrocytes from Glycoxidative Damages. <i>Antioxidants</i> , <b>2020</b> , 9,  | 7.1 | 8         |
| 74 | Enhanced oxidative stress and damage in glycated erythrocytes. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235335   | 3.7 | 17        |
| 73 | , a Mascarene Endemic Plant, Inhibits Human Hepatocellular Carcinoma Cells Growth In Vitro via G0/G1 Phase Cell Cycle Arrest. <i>Pharmaceuticals</i> , <b>2020</b> , 13,                              | 5.2 | 5         |
| 72 | Enhanced oxidative stress and damage in glycated erythrocytes <b>2020</b> , 15, e0235335  |     |           |
| 71 | Enhanced oxidative stress and damage in glycated erythrocytes <b>2020</b> , 15, e0235335  |     |           |
| 70 | Enhanced oxidative stress and damage in glycated erythrocytes <b>2020</b> , 15, e0235335  |     |           |
| 69 | Enhanced oxidative stress and damage in glycated erythrocytes <b>2020</b> , 15, e0235335  |     |           |
| 68 | Enhanced oxidative stress and damage in glycated erythrocytes <b>2020</b> , 15, e0235335  |     |           |
| 67 | Enhanced oxidative stress and damage in glycated erythrocytes <b>2020</b> , 15, e0235335  |     |           |
| 66 | Aging and glycation promote erythrocyte phagocytosis by human endothelial cells: Potential impact in atherothrombosis under diabetic conditions. <i>Atherosclerosis</i> , <b>2019</b> , 291, 87-98    | 3.1 | 17        |
| 65 | Discovery of a new open-air Hoabinhian site in Luang Prabang province (Lao PDR). Dating and technological study of the lithic assemblage. <i>Comptes Rendus - Palevol</i> , <b>2019</b> , 18, 142-157 | 1.6 | 6         |
| 64 | Glycation of human serum albumin impairs binding to the glucagon-like peptide-1 analogue liraglutide. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 4778-4791                           | 5.4 | 12        |
| 63 | No stress-better results?. <i>American Journal of Physiology - Advances in Physiology Education</i> , <b>2018</b> , 42, 720-722   | 1.9 |           |
| 62 | Impaired constitutive and regenerative neurogenesis in adult hyperglycemic zebrafish. <i>Journal of Comparative Neurology</i> , <b>2017</b> , 525, 442-458  | 3.4 | 34        |

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| 61 | Diabetes-induced hepatic oxidative stress: a new pathogenic role for glycated albumin. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 102, 133-148   | 7.8 | 30 |
| 60 | Glycated human albumin alters mitochondrial respiration in preadipocyte 3T3-L1 cells. <i>BioFactors</i> , <b>2017</b> , 43, 577-592  | 6.1 | 4  |
| 59 | Punica granatum L. mesocarp suppresses advanced glycation end products (AGEs)- and H2O2-induced oxidative stress and pro-inflammatory biomarkers. <i>Journal of Functional Foods</i> , <b>2017</b> , 29, 115-126   | 5.1 | 11 |
| 58 | Comparative suppressing effects of black and green teas on the formation of advanced glycation end products (AGEs) and AGE-induced oxidative stress. <i>Food and Function</i> , <b>2017</b> , 8, 4194-4209   | 6.1 | 19 |
| 57 | Association between Fluorescent Advanced Glycation End-Products and Vascular Complications in Type 2 Diabetic Patients. <i>BioMed Research International</i> , <b>2017</b> , 2017, 7989180   | 3   | 21 |
| 56 | Extracts of Mauritian (var. solo) protect SW872 and HepG2 cells against hydrogen peroxide induced oxidative stress. <i>Journal of Food Science and Technology</i> , <b>2017</b> , 54, 1917-1927  | 3.3 | 17 |
| 55 | Glycation abolishes the cardioprotective effects of albumin during ex vivo ischemia-reperfusion. <i>Physiological Reports</i> , <b>2017</b> , 5, e13107  | 2.6 | 2  |
| 54 | Lactic Fermentation as an Efficient Tool to Enhance the Antioxidant Activity of Tropical Fruit Juices and Teas. <i>Microorganisms</i> , <b>2017</b> , 5,   | 4.9 | 44 |
| 53 | Identification, stress tolerance, and antioxidant activity of lactic acid bacteria isolated from tropically grown fruits and leaves. <i>Canadian Journal of Microbiology</i> , <b>2016</b> , 62, 550-61  | 3.2 | 22 |
| 52 | Enhanced oxidative stress in adipose tissue from diabetic mice, possible contribution of glycated albumin. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 473, 154-160   | 3.4 | 10 |
| 51 | Fermented papaya preparation modulates the progression of N-methyl-N-nitrosourea induced hepatocellular carcinoma in Balb/c mice. <i>Life Sciences</i> , <b>2016</b> , 151, 330-338  | 6.8 | 15 |
| 50 | Studying the Physical Protection of Soil Carbon with Quantitative Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , <b>2016</b> , 24, 199-214  | 1.5 | 8  |
| 49 | Oxidative stress and adipocyte biology: focus on the role of AGEs. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2015</b> , 2015, 534873   | 6.7 | 39 |
| 48 | Glycation alters ligand binding, enzymatic, and pharmacological properties of human albumin. <i>Biochemistry</i> , <b>2015</b> , 54, 3051-62   | 3.2 | 32 |
| 47 | Glycated albumin with loss of fatty acid binding capacity contributes to enhanced arachidonate oxygenation and platelet hyperactivity: relevance in patients with type 2 diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 960-72  | 0.9 | 32 |
| 46 | Ammonium Sulfate Precipitation but Not Delipidation is a Valuable Method for Human Albumin Preparation for Biological Studies <b>2015</b> , 2,   |     | 3  |
| 45 | Relationship between fermented papaya preparation supplementation, erythrocyte integrity and antioxidant status in pre-diabetics. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 65, 12-7   | 4.7 | 19 |
| 44 | Diabetes as a risk factor to cancer: functional role of fermented papaya preparation as phytonutraceutical adjunct in the treatment of diabetes and cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2014</b> , 768, 60-8 | 3.3 | 24 |

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|----|---|-----|-----|
| 43 | Deciphering metal-induced oxidative damages on glycated albumin structure and function. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 1712-24   | 4   | 14  |
| 42 | Oxidative damage in diabetics: insights from a graduate study in La Reunion University. <i>Biochemistry and Molecular Biology Education</i> , <b>2014</b> , 42, 435-42  | 1.3 | 1   |
| 41 | Periodontal bacteria in human carotid atherothrombosis as a potential trigger for neutrophil activation. <i>Atherosclerosis</i> , <b>2014</b> , 236, 448-55   | 3.1 | 52  |
| 40 | Autotaxin downregulates LPS-induced microglia activation and pro-inflammatory cytokines production. <i>Journal of Cellular Biochemistry</i> , <b>2014</b> , 115, 2123-32  | 4.7 | 37  |
| 39 | New insights into deleterious impacts of in vivo glycation on albumin antioxidant activities. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 3532-41   | 4   | 30  |
| 38 | Effectiveness of green tea in a randomized human cohort: relevance to diabetes and its complications. <i>BioMed Research International</i> , <b>2013</b> , 2013, 412379   | 3   | 41  |
| 37 | The inhibitory effect of a fermented papaya preparation on growth, hydrophobicity, and acid production of <i>Streptococcus mutans</i> , <i>Streptococcus mitis</i> , and <i>Lactobacillus acidophilus</i> : its implications in oral health improvement of diabetics. <i>Food Science and Nutrition</i> , <b>2013</b> , 1, 416-21 | 3.2 | 5   |
| 36 | Cardio-metabolic effects of HIV protease inhibitors (lopinavir/ritonavir). <i>PLoS ONE</i> , <b>2013</b> , 8, e73347  | 3.7 | 30  |
| 35 | Effects of a short term supplementation of a fermented papaya preparation on biomarkers of diabetes mellitus in a randomized Mauritian population. <i>Preventive Medicine</i> , <b>2012</b> , 54 Suppl, S90-7   | 4.3 | 18  |
| 34 | Functional benefits of citrus fruits in the management of diabetes. <i>Preventive Medicine</i> , <b>2012</b> , 54 Suppl, S12-6  | 4.3 | 55  |
| 33 | Structural modifications of human albumin in diabetes. <i>Diabetes and Metabolism</i> , <b>2012</b> , 38, 171-8   | 5.4 | 88  |
| 32 | Phytophenolic Nutrients in Citrus: Biochemical and Molecular Evidence <b>2012</b> , 25-40   |     |     |
| 31 | Impaired drug-binding capacities of in vitro and in vivo glycated albumin. <i>Biochimie</i> , <b>2012</b> , 94, 1960-7  | 4.6 | 53  |
| 30 | Autotaxin protects microglial cells against oxidative stress. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 516-26   | 7.8 | 37  |
| 29 | Oleanolic acid: a novel cardioprotective agent that blunts hyperglycemia-induced contractile dysfunction. <i>PLoS ONE</i> , <b>2012</b> , 7, e47322   | 3.7 | 33  |
| 28 | Polyphenol composition, vitamin C content and antioxidant capacity of Mauritian citrus fruit pulps. <i>Food Research International</i> , <b>2011</b> , 44, 2088-2099  | 7   | 186 |
| 27 | The glycation of albumin: structural and functional impacts. <i>Biochimie</i> , <b>2011</b> , 93, 645-58  | 4.6 | 292 |
| 26 | Evaluation of maximal O <sub>2</sub> uptake with undergraduate students at the University of La Reunion. <i>American Journal of Physiology - Advances in Physiology Education</i> , <b>2011</b> , 35, 76-81   | 1.9 | 4   |

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|----|---|-----|-----|
| 25 | Citrus fruit extracts reduce advanced glycation end products (AGEs)- and H <sub>2</sub> O <sub>2</sub> -induced oxidative stress in human adipocytes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 11119-29                            | 5.7 | 57  |
| 24 | Shoot differentiation from protocorm callus cultures of <i>Vanilla planifolia</i> (Orchidaceae): proteomic and metabolic responses at early stage. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 82  | 5.3 | 62  |
| 23 | Bioactive phenolics and antioxidant propensity of flavedo extracts of Mauritian citrus fruits: potential prophylactic ingredients for functional foods application. <i>Toxicology</i> , <b>2010</b> , 278, 75-87  | 4.4 | 129 |
| 22 | Thermal aggregation of glycated bovine serum albumin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 789-98   | 4   | 95  |
| 21 | Apolipoprotein E limits oxidative stress-induced cell dysfunctions in human adipocytes. <i>FEBS Letters</i> , <b>2009</b> , 583, 2042-8   | 3.8 | 26  |
| 20 | High expression of apolipoprotein E impairs lipid storage and promotes cell proliferation in human adipocytes. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 106, 608-17  | 4.7 | 17  |
| 19 | Effects of nutritional antioxidants on AAPH- or AGEs-induced oxidative stress in human SW872 liposarcoma cells. <i>Cell Biology and Toxicology</i> , <b>2009</b> , 25, 635-44   | 7.4 | 25  |
| 18 | The antioxidant properties of serum albumin. <i>FEBS Letters</i> , <b>2008</b> , 582, 1783-7  | 3.8 | 628 |
| 17 | Oxidative stresses induced by glycoxidized human or bovine serum albumin on human monocytes. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 799-812   | 7.8 | 50  |
| 16 | Exploring the glycemic response to food intake with undergraduate students at the University of La Reunion. <i>American Journal of Physiology - Advances in Physiology Education</i> , <b>2008</b> , 32, 161-4  | 1.9 | 10  |
| 15 | Two laboratories on Human Physiology involving active participation of undergraduate students at the University of La Reunion Island. <i>FASEB Journal</i> , <b>2008</b> , 22, 575.7  | 0.9 |     |
| 14 | Identification of preferential protein targets for carbonylation in human mature adipocytes treated with native or glycated albumin. <i>Free Radical Research</i> , <b>2007</b> , 41, 1078-88   | 4   | 35  |
| 13 | Assessment of temperature effects on beta-aggregation of native and glycated albumin by FTIR spectroscopy and PAGE: relations between structural changes and antioxidant properties. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 460, 141-50 | 4.1 | 50  |
| 12 | Differential effects of oxidized LDL on apolipoprotein AI and B synthesis in HepG2 cells. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 41, 786-96   | 7.8 | 3   |
| 11 | Anthropometric evaluations of body composition of undergraduate students at the University of La Reunion. <i>American Journal of Physiology - Advances in Physiology Education</i> , <b>2006</b> , 30, 248-53   | 1.9 | 7   |
| 10 | Effects of oxidative modifications induced by the glycation of bovine serum albumin on its structure and on cultured adipose cells. <i>Biochimie</i> , <b>2006</b> , 88, 1467-77  | 4.6 | 69  |
| 9  | Differential effects of cysteine and methionine residues in the antioxidant activity of human serum albumin. <i>Free Radical Research</i> , <b>2005</b> , 39, 15-20   | 4   | 98  |
| 8  | Oxidized SOD1 alters proteasome activities in vitro and in the cortex of SOD1 overexpressing mice. <i>FEBS Letters</i> , <b>2005</b> , 579, 3613-8  | 3.8 | 22  |

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|---|---|------|-----|
| 7 | Cystathionine beta synthase deficiency promotes oxidative stress, fibrosis, and steatosis in mice liver. <i>Gastroenterology</i> , <b>2005</b> , 128, 1405-15   | 13.3 | 141 |
| 6 | The role of endogenous heme synthesis and degradation domain cysteines in cellular iron-dependent degradation of IRP2. <i>Blood Cells, Molecules, and Diseases</i> , <b>2003</b> , 31, 247-55                                 | 2.1  | 43  |
| 5 | Numerous proteins in Mammalian cells are prone to iron-dependent oxidation and proteasomal degradation. <i>Developmental Neuroscience</i> , <b>2002</b> , 24, 114-24  | 2.2  | 22  |
| 4 | Mineralogical, chemical and charge properties of Geric Ferralsols from New Caledonia. <i>Geoderma</i> , <b>2001</b> , 103, 291-306  | 6.7  | 51  |
| 3 | The importance of proteins in defense against oxidation. <i>Antioxidants and Redox Signaling</i> , <b>2001</b> , 3, 293-311   | 3.1  | 161 |
| 2 | Involvement of oxysterols and lysophosphatidylcholine in the oxidized LDL-induced impairment of serum albumin synthesis by HEPG2 cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 2643-50 | 9.4  | 15  |
| 1 | Glucose and free radicals impair the antioxidant properties of serum albumin. <i>FASEB Journal</i> , <b>1999</b> , 13, 233-44   | 0.9  | 237 |