

Jean-François Bilodeau

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,377
citations

430442

18
h-index

433756

31
g-index

41
all docs

41
docs citations

41
times ranked

1615
citing authors

#	ARTICLE	IF	CITATIONS
1	Levels of antioxidant defenses are decreased in bovine spermatozoa after a cycle of freezing and thawing. , 2000, 55, 282-288.		399
2	Impact of cryopreservation and reactive oxygen species on DNA integrity, lipid peroxidation, and functional parameters in ram sperm. Molecular Reproduction and Development, 2007, 74, 878-892.	1.0	151
3	Reactive oxygen species-mediated loss of bovine sperm motility in egg yolk Tris extender: protection by pyruvate, metal chelators and bovine liver or oviductal fluid catalase. Theriogenology, 2002, 57, 1105-1122.	0.9	97
4	Antioxidant Defenses Are Modulated in the Cow Oviduct During the Estrous Cycle1. Biology of Reproduction, 2003, 68, 1157-1164.	1.2	75
5	Current Concepts in the Use of Antioxidants for the Treatment of Preeclampsia. Journal of Obstetrics and Gynaecology Canada, 2003, 25, 742-750.	0.3	55
6	Estrogen Selectively Up-Regulates the Phospholipid Hydroperoxide Glutathione Peroxidase in the Oviducts. Endocrinology, 2005, 146, 2583-2592.	1.4	50
7	<i>Trans</i> Fatty Acids Suppress TNF α -Induced Inflammatory Gene Expression in Endothelial (HUVEC) and Hepatocellular Carcinoma (HepG2) Cells. Lipids, 2017, 52, 315-325.	0.7	41
8	Resolvin-D2 targets myogenic cells and improves muscle regeneration in Duchenne muscular dystrophy. Nature Communications, 2021, 12, 6264.	5.8	38
9	Hormonal and Spatial Regulation of Nitric Oxide Synthases (NOS) (Neuronal NOS, Inducible NOS, and) Tj ETQq1 1 0.784314 1.4 37 /Ov	1.4	37
10	Hyperoxia Induces S-Phase Cell-Cycle Arrest and p21Cip1/Waf1-Independent Cdk2 Inhibition in Human Carcinoma T47D-H3 Cells. Experimental Cell Research, 2000, 256, 347-357.	1.2	29
11	Effects of nonsteroidal antiinflammatory drugs on oxidative pathways in A/J mice. Free Radical Biology and Medicine, 1995, 18, 47-54.	1.3	27
12	Specific systemic antioxidant response to preeclampsia in late pregnancy: the study of intracellular glutathione peroxidases in maternal and fetal blood. American Journal of Obstetrics and Gynecology, 2009, 200, 530.e1-530.e7.	0.7	27
13	Analysis of F2-isoprostanes in plasma of pregnant women by HPLC-MS/MS using a column packed with core-shell particles. Journal of Lipid Research, 2013, 54, 1505-1511.	2.0	26
14	Plasma F2-isoprostane class VI isomers at 12-18 weeks of pregnancy are associated with later occurrence of preeclampsia. Free Radical Biology and Medicine, 2015, 85, 282-287.	1.3	25
15	Alterations of fatty acid profiles in gestational diabetes and influence of the diet. Maturitas, 2017, 99, 98-104.	1.0	24
16	Plasma interleukin-18 (IL-18) levels are correlated with antioxidant vitamin coenzyme Q10 in preeclampsia. Acta Obstetrica Et Gynecologica Scandinavica, 2010, 89, 360-366.	1.3	23
17	Increased placental phospholipase A 2 gene expression and free F 2 -isoprostane levels in response to oxidative stress in preeclampsia. Placenta, 2017, 55, 54-62.	0.7	21
18	Existence of Compensatory Defense Mechanisms Against Oxidative Stress and Hypertension in Preeclampsia. Hypertension in Pregnancy, 2010, 29, 21-37.	0.5	19

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19	Sex-specific perinatal expression of glutathione peroxidases during mouse lung development. <i>Molecular and Cellular Endocrinology</i> , 2012, 355, 87-95.	1.6	19
20	Modulation of the biomarkers of inflammation and oxidative stress by ruminant trans fatty acids and dairy proteins in vascular endothelial cells (HUVEC). <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017, 126, 64-71.	1.0	19
21	Statistical and Machine-Learning Analyses in Nutritional Genomics Studies. <i>Nutrients</i> , 2020, 12, 3140.	1.7	18
22	F2-isoprostanes are correlated with trans fatty acids in the plasma of pregnant women. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 243-249.	1.0	16
23	Dietary fats and F ₂ -isoprostanes: A review of the clinical evidence. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 3929-3941.	5.4	15
24	Increased Dairy Product Intake Alters Serum Metabolite Profiles in Subjects at Risk of Developing Type 2 Diabetes. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900126.	1.5	15
25	Glutathione peroxidase-1 expression enhances recovery of human breast carcinoma cells from hyperoxic cell cycle arrest. <i>Free Radical Biology and Medicine</i> , 2002, 33, 1279-1289.	1.3	13
26	Perinatal Oxidative Stress May Affect Fetal Ghrelin Levels in Humans. <i>Scientific Reports</i> , 2016, 5, 17881.	1.6	13
27	Long chain omega-3 fatty acids and their oxidized metabolites are associated with reduced prostate tumor growth. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 164, 102215.	1.0	13
28	Marginal Impact of Brown Seaweed <i>Ascophyllum nodosum</i> and <i>Fucus vesiculosus</i> Extract on Metabolic and Inflammatory Response in Overweight and Obese Prediabetic Subjects. <i>Marine Drugs</i> , 2022, 20, 174.	2.2	13
29	F ₂ -isoprostanes and fatty acids profile in early pregnancy complicated by pre-existing diabetes. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 135, 115-120.	1.0	9
30	Increased resistance of GPx-1 transgenic mice to tumor promoter-induced loss of glutathione peroxidase activity in skin. , 1999, 80, 863-867.		8
31	Semen characteristics of genetically identical quadruplet bulls. <i>Theriogenology</i> , 2003, 59, 1865-1877.	0.9	8
32	Physical fitness is associated with prostaglandin F ₂ isomers during pregnancy. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2019, 145, 7-14.	1.0	7
33	The polyol pathway in the bovine oviduct. <i>Molecular Reproduction and Development</i> , 2012, 79, 603-612.	1.0	6
34	Placental dimethyl acetal fatty acid derivatives are elevated in preeclampsia. <i>Placenta</i> , 2017, 51, 82-88.	0.7	5
35	Maternal vitamin D, oxidative stress, and pre-eclampsia. <i>International Journal of Gynecology and Obstetrics</i> , 2021, 154, 444-450.	1.0	5
36	Docosahexaenoic acid-rich algae oil supplementation on breast milk fatty acid profile of mothers who delivered prematurely: a randomized clinical trial. <i>Scientific Reports</i> , 2021, 11, 21492.	1.6	5

#	ARTICLE	IF	CITATIONS
37	Impact of Dairy Intake on Plasma F2-IsoProstane Profiles in Overweight Subjects with Hyperinsulinemia: A Randomized Crossover Trial. <i>Nutrients</i> , 2021, 13, 2088.	1.7	2
38	The plasma antioxidant vitamin status of the INTAPP cohort examined: The unsuspected importance of Î²-carotene and Î³-tocopherol in preeclampsia. <i>Pregnancy Hypertension</i> , 2021, 25, 213-218.	0.6	2
39	Levels of antioxidant defenses are decreased in bovine spermatozoa after a cycle of freezing and thawing. <i>Molecular Reproduction and Development</i> , 2000, 55, 282.	1.0	2
40	Effects of Industrial and Ruminant Trans-fatty Acids-Enriched Diet on Fecal Microbiome and Short Chain Fatty Acid Metabolites of C57BL/6 Mice. <i>Current Developments in Nutrition</i> , 2021, 5, 1171.	0.1	0
41	The Use of Antioxidants in Pre-eclampsia. , 2013, , 115-129.		0