

Rajaa El Bekay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8775812/publications.pdf>

Version: 2024-02-01

56
papers

2,237
citations

218381

26
h-index

223531

46
g-index

60
all docs

60
docs citations

60
times ranked

3830
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative Stress Triggers STAT3 Tyrosine Phosphorylation and Nuclear Translocation in Human Lymphocytes. <i>Journal of Biological Chemistry</i> , 1999, 274, 17580-17586.	1.6	235
2	Oxidative stress is a critical mediator of the angiotensin II signal in human neutrophils: involvement of mitogen-activated protein kinase, calcineurin, and the transcription factor NF- κ B. <i>Blood</i> , 2003, 102, 662-671.	0.6	155
3	The obese healthy paradox: is inflammation the answer?. <i>Biochemical Journal</i> , 2010, 430, 141-149.	1.7	151
4	Study of the Potential Association of Adipose Tissue GLP-1 Receptor with Obesity and Insulin Resistance. <i>Endocrinology</i> , 2011, 152, 4072-4079.	1.4	121
5	α -Tocopherol Protects Against Oxidative Stress in the Fragile X Knockout Mouse: an Experimental Therapeutic Approach for the Fmr1 Deficiency. <i>Neuropsychopharmacology</i> , 2009, 34, 1011-1026.	2.8	112
6	15-Deoxy- $\Delta^{12,14}$ -prostaglandin J2 Induces Heme Oxygenase-1 Gene Expression in a Reactive Oxygen Species-dependent Manner in Human Lymphocytes. <i>Journal of Biological Chemistry</i> , 2004, 279, 21929-21937.	1.6	100
7	Stimulators of AMP-activated protein kinase inhibit the respiratory burst in human neutrophils. <i>FEBS Letters</i> , 2004, 573, 219-225.	1.3	90
8	Obesity-associated insulin resistance is correlated to adipose tissue vascular endothelial growth factors and metalloproteinase levels. <i>BMC Physiology</i> , 2012, 12, 4.	3.6	74
9	Enhanced markers of oxidative stress, altered antioxidants and NADPH oxidase activation in brains from Fragile X mental retardation-deficient mice, a pathological model for Fragile X syndrome. <i>European Journal of Neuroscience</i> , 2007, 26, 3169-3180.	1.2	69
10	Proteasome Dysfunction Associated to Oxidative Stress and Proteotoxicity in Adipocytes Compromises Insulin Sensitivity in Human Obesity. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 597-612.	2.5	68
11	Homocysteine enhances superoxide anion release and NADPH oxidase assembly by human neutrophils. Effects on MAPK activation and neutrophil migration. <i>Atherosclerosis</i> , 2004, 172, 229-238.	0.4	66
12	Metabolic endotoxemia promotes adipose dysfunction and inflammation in human obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E319-E332.	1.8	58
13	Caspase Induction and BCL2 Inhibition in Human Adipose Tissue. <i>Diabetes Care</i> , 2013, 36, 513-521.	4.3	56
14	Genetic Epidemiology of Glucose-6-Phosphate Dehydrogenase Deficiency in the Arab World. <i>Scientific Reports</i> , 2016, 6, 37284.	1.6	54
15	Neutrophils as a Novel Source of Eosinophil Cationic Protein in IgE-Mediated Processes. <i>Journal of Immunology</i> , 2007, 179, 2634-2641.	0.4	53
16	Histamine production by human neutrophils. <i>FASEB Journal</i> , 2013, 27, 2902-2910.	0.2	48
17	The Role of Autophagy in White Adipose Tissue Function: Implications for Metabolic Health. <i>Metabolites</i> , 2020, 10, 179.	1.3	46
18	Effects of glucagon-like peptide-1 on the differentiation and metabolism of human adipocytes. <i>British Journal of Pharmacology</i> , 2016, 173, 1820-1834.	2.7	41

#	ARTICLE	IF	CITATIONS
19	Protective effects of melatonin against oxidative stress in Fmr1 knockout mice: a therapeutic research model for the fragile X syndrome. <i>Journal of Pineal Research</i> , 2009, 46, 224-234.	3.4	38
20	Progression from High Insulin Resistance to Type 2 Diabetes Does Not Entail Additional Visceral Adipose Tissue Inflammation. <i>PLoS ONE</i> , 2012, 7, e48155.	1.1	36
21	Two patients with Canavan disease and structural modeling of a novel mutation. <i>Metabolic Brain Disease</i> , 2017, 32, 171-177.	1.4	32
22	Adipose tissue depot-specific intracellular and extracellular cues contributing to insulin resistance in obese individuals. <i>FASEB Journal</i> , 2020, 34, 7520-7539.	0.2	30
23	Modulation of IgE-dependent COX-2 gene expression by reactive oxygen species in human neutrophils. <i>Journal of Leukocyte Biology</i> , 2006, 80, 152-163.	1.5	29
24	Human neutrophils synthesize IL-8 in an IgE-mediated activation. <i>Journal of Leukocyte Biology</i> , 2004, 76, 692-700.	1.5	28
25	Differences in the Osteogenic Differentiation Capacity of Omental Adipose-Derived Stem Cells in Obese Patients With and Without Metabolic Syndrome. <i>Endocrinology</i> , 2015, 156, 4492-4501.	1.4	28
26	Cannabinoid CB1 receptors and mTORC1 signalling pathway interact to modulate glucose homeostasis. <i>DMM Disease Models and Mechanisms</i> , 2015, 9, 51-61.	1.2	28
27	RPL13A and EEF1A1 Are Suitable Reference Genes for qPCR during Adipocyte Differentiation of Vascular Stromal Cells from Patients with Different BMI and HOMA-IR. <i>PLoS ONE</i> , 2016, 11, e0157002.	1.1	27
28	Expression of the transcription factor NFAT2 in human neutrophils: IgE-dependent, Ca ²⁺ - and calcineurin-mediated NFAT2 activation. <i>Journal of Cell Science</i> , 2007, 120, 2328-2337.	1.2	25
29	GLP-1 and peptide YY secretory response after fat load is impaired by insulin resistance, impaired fasting glucose and type 2 diabetes in morbidly obese subjects. <i>Clinical Endocrinology</i> , 2014, 80, 671-676.	1.2	24
30	Heme oxygenase-1 expression is down-regulated by angiotensin II and under hypertension in human neutrophils. <i>Journal of Leukocyte Biology</i> , 2008, 84, 397-405.	1.5	23
31	Adipogenic impairment of adipose tissue-derived mesenchymal stem cells in subjects with metabolic syndrome: possible protective role of FGF2. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 102, jc.2016-2256.	1.8	22
32	miR-20b, miR-296, and Let-7f Expression in Human Adipose Tissue is Related to Obesity and Type 2 Diabetes. <i>Obesity</i> , 2019, 27, 245-254.	1.5	21
33	miR-21 mimic blocks obesity in mice: A novel therapeutic option. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 401-416.	2.3	20
34	A new role for monoamine oxidases in the modulation of macrophage-inducible nitric oxide synthase gene expression. <i>Journal of Leukocyte Biology</i> , 2004, 75, 1093-1101.	1.5	18
35	Rac2 GTPase activation by angiotensin II is modulated by Ca ²⁺ /calcineurin and mitogen-activated protein kinases in human neutrophils. <i>Journal of Molecular Endocrinology</i> , 2007, 39, 351-363.	1.1	18
36	An Abnormal Nitric Oxide Metabolism Contributes to Brain Oxidative Stress in the Mouse Model for the Fragile X Syndrome, a Possible Role in Intellectual Disability. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	17

#	ARTICLE	IF	CITATIONS
37	Induction of cyclooxygenase-2 expression by allergens in lymphocytes from allergic patients. <i>European Journal of Immunology</i> , 2005, 35, 2313-2324.	1.6	16
38	Munc18c in Adipose Tissue Is Downregulated in Obesity and Is Associated with Insulin. <i>PLoS ONE</i> , 2013, 8, e63937.	1.1	16
39	VEGF Gene Expression in Adult Human Thymus Fat: A Correlative Study with Hypoxic Induced Factor and Cyclooxygenase-2. <i>PLoS ONE</i> , 2009, 4, e8213.	1.1	13
40	An Arab registry for type 1 diabetes: global benefits for type 1 diabetes patients. <i>Current Medical Research and Opinion</i> , 2016, 32, 1681-1684.	0.9	13
41	Angiogenic properties of adult human thymus fat. <i>Cell and Tissue Research</i> , 2009, 338, 313-318.	1.5	11
42	Parathyroid Hormone-Related Protein, Human Adipose-Derived Stem Cells Adipogenic Capacity and Healthy Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E826-E835.	1.8	11
43	Inflammatory gene expression in adipose tissue according to diagnosis of anxiety and mood disorders in obese and non-obese subjects. <i>Scientific Reports</i> , 2018, 8, 17518.	1.6	11
44	Neovascular deterioration, impaired NADPH oxidase and inflammatory cytokine expression in adipose-derived multipotent cells from subjects with metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2017, 71, 132-143.	1.5	10
45	Different response to hypoxia of adipose-derived multipotent cells from obese subjects with and without metabolic syndrome. <i>PLoS ONE</i> , 2017, 12, e0188324.	1.1	10
46	Angiotensin II induces CD62L shedding in human neutrophils. <i>Atherosclerosis</i> , 2010, 209, 344-351.	0.4	9
47	miR-21/Gemini surfactant-capped gold nanoparticles as potential therapeutic complexes: Synthesis, characterization and in vivo nanotoxicity probes. <i>Journal of Molecular Liquids</i> , 2020, 313, 113577.	2.3	9
48	Influence of a fat overload on lipogenic regulators in metabolic syndrome patients. <i>British Journal of Nutrition</i> , 2011, 105, 895-901.	1.2	7
49	Severe neurological manifestations in an Egyptian patient with a novel frameshift mutation in the Glutaryl-CoA dehydrogenase gene. <i>Metabolic Brain Disease</i> , 2017, 32, 35-40.	1.4	7
50	Thymus fat as an attractive source of angiogenic factors in elderly subjects with myocardial ischemia. <i>Age</i> , 2013, 35, 1263-1275.	3.0	5
51	Myocardial Ischemic Subjects' Thymus Fat: A Novel Source of Multipotent Stromal Cells. <i>PLoS ONE</i> , 2015, 10, e0144401.	1.1	5
52	Prevalence of nephropathy in type 1 diabetes in the Arab world: A systematic review and meta-analysis. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e3026.	1.7	5
53	Calcineurin expression and activity is regulated by the intracellular redox status and under hypertension in human neutrophils. <i>Journal of Endocrinology</i> , 2012, 214, 399-408.	1.2	3
54	Involvement of acetyl-CoA-producing enzymes in the deterioration of the functional potential of adipose-derived multipotent cells from subjects with metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2018, 88, 12-21.	1.5	3

#	ARTICLE	IF	CITATIONS
55	Differences in the neovascular potential of thymus versus subcutaneous adipose-derived stem cells from patients with myocardial ischaemia. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1772-e1784.	1.3	2
56	Prognostic stratification of older patients with multivessel coronary artery disease treated with percutaneous transluminal coronary angioplasty based on clinical and biochemical measures: protocol for a prospective cohort study. <i>BMJ Open</i> , 2022, 12, e058042.	0.8	1