

Luis Sobrevia

List of Publications by Year in descending order

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Version: 2024-02-01

182
papers

6,829
citations

53794

45
h-index

82547

72
g-index

186
all docs

186
docs citations

186
times ranked

6904
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Amino Acid and Glucose Transporters in Endothelial and Smooth Muscle Cells. <i>Physiological Reviews</i> , 2003, 83, 183-252.	28.8	367
2	A Gestational Profile of Placental Exosomes in Maternal Plasma and Their Effects on Endothelial Cell Migration. <i>PLoS ONE</i> , 2014, 9, e98667.	2.5	302
3	Exosomal Signaling during Hypoxia Mediates Microvascular Endothelial Cell Migration and Vasculogenesis. <i>PLoS ONE</i> , 2013, 8, e68451.	2.5	290
4	Oxidative stress: Normal pregnancy versus preeclampsia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165354.	3.8	173
5	Hypoxia-Induced Changes in the Bioactivity of Cytotrophoblast-Derived Exosomes. <i>PLoS ONE</i> , 2013, 8, e79636.	2.5	144
6	Extracellular vesicles in obesity and diabetes mellitus. <i>Molecular Aspects of Medicine</i> , 2018, 60, 81-91.	6.4	138
7	Activation of L-arginine transport (system y+) and nitric oxide synthase by elevated glucose and insulin in human endothelial cells.. <i>Journal of Physiology</i> , 1996, 490, 775-781.	2.9	135
8	Mice Long-Term High-Fat Diet Feeding Recapitulates Human Cardiovascular Alterations: An Animal Model to Study the Early Phases of Diabetic Cardiomyopathy. <i>PLoS ONE</i> , 2013, 8, e60931.	2.5	121
9	Early activation of the p42/p44 ^{MAPK} pathway mediates adenosine-induced nitric oxide production in human endothelial cells: a novel calcium-insensitive mechanism. <i>FASEB Journal</i> , 2002, 16, 1584-1594.	0.5	113
10	Dysfunction of the endothelial nitric oxide signalling pathway in diabetes and hyperglycaemia. <i>Experimental Physiology</i> , 1997, 82, 423-452.	2.0	110
11	Adenosine transport in cultured human umbilical vein endothelial cells is reduced in diabetes. <i>American Journal of Physiology - Cell Physiology</i> , 1994, 267, C39-C47.	4.6	103
12	Insulin Restores Gestational Diabetes Mellitus-Reduced Adenosine Transport Involving Differential Expression of Insulin Receptor Isoforms in Human Umbilical Vein Endothelium. <i>Diabetes</i> , 2011, 60, 1677-1687.	0.6	101
13	Multidrug resistance in glioblastoma stem-like cells: Role of the hypoxic microenvironment and adenosine signaling. <i>Molecular Aspects of Medicine</i> , 2017, 55, 140-151.	6.4	101
14	Review: Differential placental macrovascular and microvascular endothelial dysfunction in gestational diabetes. <i>Placenta</i> , 2011, 32, S159-S164.	1.5	100
15	Gestational diabetes and the adenosine/l-Arginine/nitric oxide (ALANO) pathway in human umbilical vein endothelium. <i>Placenta</i> , 2006, 27, 1-10.	1.5	98
16	Activation of A2-purinoceptors by adenosine stimulates L-arginine transport (system y+) and nitric oxide synthesis in human fetal endothelial cells.. <i>Journal of Physiology</i> , 1997, 499, 135-140.	2.9	96
17	Diabetes-induced activation of system y+ and nitric oxide synthase in human endothelial cells: association with membrane hyperpolarization.. <i>Journal of Physiology</i> , 1995, 489, 183-192.	2.9	93
18	Role of adenosine transport in gestational diabetes-induced l-arginine transport and nitric oxide synthesis in human umbilical vein endothelium. <i>Journal of Physiology</i> , 2004, 560, 111-122.	2.9	87

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19	Intrauterine Growth Retardation Is Associated With Reduced Activity and Expression of the Cationic Amino Acid Transport Systems γ -hCAT-1 and γ -hCAT-2B and Lower Activity of Nitric Oxide Synthase in Human Umbilical Vein Endothelial Cells. <i>Circulation Research</i> , 2002, 91, 127-134.	4.5	85
20	Oxidative stress and mitochondrial dysfunction in early-onset and late-onset preeclampsia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165961.	3.8	82
21	Cross Talk between Adipose Tissue and Placenta in Obese and Gestational Diabetes Mellitus Pregnancies via Exosomes. <i>Frontiers in Endocrinology</i> , 2017, 8, 239.	3.5	78
22	Equilibrative Nucleoside Transporter 1 Expression Is Downregulated by Hypoxia in Human Umbilical Vein Endothelium. <i>Circulation Research</i> , 2005, 97, 16-24.	4.5	77
23	Endoplasmic reticulum stress and development of insulin resistance in adipose, skeletal, liver, and foetoplacental tissue in diabetes. <i>Molecular Aspects of Medicine</i> , 2019, 66, 49-61.	6.4	76
24	5 α - β -ectonucleotidase mediates multiple drug resistance in glioblastoma multiforme cells. <i>Journal of Cellular Physiology</i> , 2013, 228, 602-608.	4.1	72
25	Dexmedetomidine protects the heart against ischemia-reperfusion injury by an endothelial eNOS/NO dependent mechanism. <i>Pharmacological Research</i> , 2016, 103, 318-327.	7.1	69
26	Placental structure in gestational diabetes mellitus. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165535.	3.8	66
27	Pharmacological targeting of adenosine receptor signaling. <i>Molecular Aspects of Medicine</i> , 2017, 55, 4-8.	6.4	63
28	Foetoplacental communication via extracellular vesicles in normal pregnancy and preeclampsia. <i>Molecular Aspects of Medicine</i> , 2018, 60, 69-80.	6.4	63
29	Role of extracellular vesicles in glioma progression. <i>Molecular Aspects of Medicine</i> , 2018, 60, 38-51.	6.4	63
30	Gestational Diabetes Reduces Adenosine Transport in Human Placental Microvascular Endothelium, an Effect Reversed by Insulin. <i>PLoS ONE</i> , 2012, 7, e40578.	2.5	62
31	Insulin-stimulated L-arginine transport requires SLC7A1 gene expression and is associated with human umbilical vein relaxation. <i>Journal of Cellular Physiology</i> , 2011, 226, 2916-2924.	4.1	61
32	Human Equilibrative Nucleoside Transporters 1 and 2 may be Differentially Modulated by A2B Adenosine Receptors in Placenta Microvascular Endothelial Cells from Pre-eclampsia. <i>Placenta</i> , 2008, 29, 816-825.	1.5	60
33	Maternal Hypercholesterolemia in Pregnancy Associates With Umbilical Vein Endothelial Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2444-2453.	2.4	60
34	Inhibition of Nitrobenzylthioinosine-Sensitive Adenosine Transport by Elevated d-Glucose Involves Activation of P2Y2 Purinoceptors in Human Umbilical Vein Endothelial Cells. <i>Circulation Research</i> , 2002, 90, 570-577.	4.5	59
35	A Hypothesis for Preeclampsia: Adenosine and Inducible Nitric Oxide Synthase in Human Placental Microvascular Endothelium. <i>Placenta</i> , 2008, 29, 469-483.	1.5	59
36	Hypoxia-reduced nitric oxide synthase activity is partially explained by higher arginase-2 activity and cellular redistribution in human umbilical vein endothelium. <i>Placenta</i> , 2011, 32, 932-940.	1.5	55

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37	Rapid Stimulation of L-Arginine Transport by D-Glucose Involves p42/44 mapk and Nitric Oxide in Human Umbilical Vein Endothelium. <i>Circulation Research</i> , 2003, 92, 64-72.	4.5	52
38	Equilibrative Nucleoside (ENTs) and Cationic Amino Acid (CATs) Transporters: Implications in Foetal Endothelial Dysfunction in Human Pregnancy Diseases. <i>Current Vascular Pharmacology</i> , 2007, 5, 69-84.	1.7	51
39	Fetoplacental Vascular Endothelial Dysfunction as an Early Phenomenon in the Programming of Human Adult Diseases in Subjects Born from Gestational Diabetes Mellitus or Obesity in Pregnancy. <i>Experimental Diabetes Research</i> , 2011, 2011, 1-18.	3.8	51
40	Featured Article: Dexamethasone and rosiglitazone are sufficient and necessary for producing functional adipocytes from mesenchymal stem cells. <i>Experimental Biology and Medicine</i> , 2015, 240, 1235-1246.	2.4	51
41	Human umbilical vein endothelium-derived exosomes play a role in foetoplacental endothelial dysfunction in gestational diabetes mellitus. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 499-508.	3.8	51
42	Insulin/adenosine axis linked signalling. <i>Molecular Aspects of Medicine</i> , 2017, 55, 45-61.	6.4	50
43	Nitric oxide reduces SLC29A1 promoter activity and adenosine transport involving transcription factor complex $\text{hCHOP/C/EBP}\beta$ in human umbilical vein endothelial cells from gestational diabetes. <i>Cardiovascular Research</i> , 2010, 86, 45-54.	3.8	49
44	Nitric oxide reduces adenosine transporter ENT1 gene (SLC29A1) promoter activity in human fetal endothelium from gestational diabetes. <i>Journal of Cellular Physiology</i> , 2006, 208, 451-460.	4.1	48
45	Insulin Reverses D-Glucose-Induced Increased Nitric Oxide and Reactive Oxygen Species Generation in Human Umbilical Vein Endothelial Cells. <i>PLoS ONE</i> , 2015, 10, e0122398.	2.5	48
46	Programming of Fetal Insulin Resistance in Pregnancies with Maternal Obesity by ER Stress and Inflammation. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	46
47	Cell signalling-mediated insulin increase of mRNA expression for cationic amino acid transporters-1 and -2 and membrane hyperpolarization in human umbilical vein endothelial cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2004, 448, 383-94.	2.8	45
48	Nitric Oxide Synthesis Requires Activity of the Cationic and Neutral Amino Acid Transport System $\text{y}^+ \text{L}$ in Human Umbilical vein Endothelium. <i>Experimental Physiology</i> , 2003, 88, 699-710.	2.0	44
49	Insulin restores glucose inhibition of adenosine transport by increasing the expression and activity of the equilibrative nucleoside transporter 2 in human umbilical vein endothelium. <i>Journal of Cellular Physiology</i> , 2006, 209, 826-835.	4.1	44
50	Insulin requires normal expression and signaling of insulin receptor A to reverse gestational diabetes-induced reduced adenosine transport in human umbilical vein endothelium. <i>FASEB Journal</i> , 2015, 29, 37-49.	0.5	43
51	Insulin Is a Key Modulator of Fetoplacental Endothelium Metabolic Disturbances in Gestational Diabetes Mellitus. <i>Frontiers in Physiology</i> , 2016, 7, 119.	2.8	42
52	Adenosine and preeclampsia. <i>Molecular Aspects of Medicine</i> , 2017, 55, 126-139.	6.4	42
53	Regulation of adenosine transport by D-glucose in human fetal endothelial cells: involvement of nitric oxide, protein kinase C and mitogen-activated protein kinase. <i>Journal of Physiology</i> , 2000, 529, 777-790.	2.9	41
54	Insulin therapy and fetoplacental vascular function in gestational diabetes mellitus. <i>Experimental Physiology</i> , 2015, 100, 231-238.	2.0	41

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55	Is there a role for exosomes in foetoplacental endothelial dysfunction in gestational diabetes mellitus?. Placenta, 2018, 61, 48-54.	1.5	41
56	Insulin restores L-arginine transport requiring adenosine receptors activation in umbilical vein endothelium from late-onset preeclampsia. Placenta, 2015, 36, 287-296.	1.5	40
57	Akt/mTOR Role in Human Foetoplacental Vascular Insulin Resistance in Diseases of Pregnancy. Journal of Diabetes Research, 2017, 2017, 1-13.	2.3	40
58	Fetoplacental endothelial exosomes modulate high d -glucose-induced endothelial dysfunction. Placenta, 2018, 66, 26-35.	1.5	40
59	Elevated D-glucose induces insulin insensitivity in human umbilical endothelial cells isolated from gestational diabetic pregnancies. Journal of Physiology, 1998, 506, 219-230.	2.9	39
60	Reduced L-Arginine Transport and Nitric Oxide Synthesis in Human Umbilical Vein Endothelial Cells from Intrauterine Growth Restriction Pregnancies is Not Further Altered by Hypoxia. Placenta, 2009, 30, 625-633.	1.5	39
61	Adenosine mediates transforming growth factor β 1 release in kidney glomeruli of diabetic rats. FEBS Letters, 2009, 583, 3192-3198.	2.8	39
62	Molecular implications of adenosine in obesity. Molecular Aspects of Medicine, 2017, 55, 90-101.	6.4	39
63	Nitric Oxide is a Central Common Metabolite in Vascular Dysfunction Associated with Diseases of Human Pregnancy. Current Vascular Pharmacology, 2016, 14, 237-259.	1.7	39
64	Epigenetics: New Concepts of Old Phenomena in Vascular Physiology. Current Vascular Pharmacology, 2009, 7, 513-520.	1.7	38
65	Insulin-Increased L-Arginine Transport Requires A2A Adenosine Receptors Activation in Human Umbilical Vein Endothelium. PLoS ONE, 2012, 7, e41705.	2.5	38
66	Role of arginase-2 and eNOS in the differential vascular reactivity and hypoxia-induced endothelial response in umbilical arteries and veins. Placenta, 2012, 33, 360-366.	1.5	38
67	Role of Insulin and Adenosine in the Human Placenta Microvascular and Macrovascular Endothelial Cell Dysfunction in Gestational Diabetes Mellitus. Microcirculation, 2014, 21, 26-37.	1.8	38
68	Insulin receptor isoforms: an integrated view focused on gestational diabetes mellitus. Diabetes/Metabolism Research and Reviews, 2016, 32, 350-365.	4.0	37
69	Maternal insulin therapy does not restore foetoplacental endothelial dysfunction in gestational diabetes mellitus. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2987-2998.	3.8	35
70	Insulin therapy and its consequences for the mother, foetus, and newborn in gestational diabetes mellitus. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2949-2956.	3.8	35
71	Human supraphysiological gestational weight gain and fetoplacental vascular dysfunction. International Journal of Obesity, 2015, 39, 1264-1273.	3.4	34
72	Adenosine contribution to normal renal physiology and chronic kidney disease. Molecular Aspects of Medicine, 2017, 55, 75-89.	6.4	34

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73	Insulin requires A1 adenosine receptors expression to reverse gestational diabetes-increased L-arginine transport in human umbilical vein endothelium. <i>Purinergic Signalling</i> , 2016, 12, 175-190.	2.2	33
74	Maternal supraphysiological hypercholesterolemia associates with endothelial dysfunction of the placental microvasculature. <i>Scientific Reports</i> , 2018, 8, 7690.	3.3	33
75	Pre-pregnancy maternal obesity associates with endoplasmic reticulum stress in human umbilical vein endothelium. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3195-3210.	3.8	32
76	Equilibrative Nucleoside Transporters in Fetal Endothelial Dysfunction in Diabetes Mellitus and Hyperglycaemia. <i>Current Vascular Pharmacology</i> , 2009, 7, 435-449.	1.7	31
77	Cross-sectional and longitudinal lipid determination studies in pregnant women reveal an association between increased maternal LDL cholesterol concentrations and reduced human umbilical vein relaxation. <i>Placenta</i> , 2015, 36, 895-902.	1.5	31
78	Adenosine receptors: Modulators of lipid availability that are controlled by lipid levels. <i>Molecular Aspects of Medicine</i> , 2017, 55, 26-44.	6.4	31
79	Using Machine Learning to Predict Complications in Pregnancy: A Systematic Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 780389.	4.1	31
80	Hyperglycaemia Inhibits Thymidine Incorporation and Cell Growth via Protein Kinase C, Mitogen-Activated Protein Kinases and Nitric Oxide in Human Umbilical Vein Endothelium. <i>Experimental Physiology</i> , 2003, 88, 209-219.	2.0	30
81	Adenosine A2B receptor mediates an increase on VEGF-A production in rat kidney glomeruli. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 180-185.	2.1	30
82	Equilibrative nucleoside transporter 2 is expressed in human umbilical vein endothelium, but is not involved in the inhibition of adenosine transport induced by hyperglycaemia. <i>Placenta</i> , 2005, 26, 641-653.	1.5	28
83	Diabetes and insulin-induced stimulation of L-arginine transport and nitric oxide synthesis in rabbit isolated gastric glands.. <i>Journal of Physiology</i> , 1997, 498, 787-796.	2.9	27
84	High glucose reduces SLC29A1 promoter activity and adenosine transport involving specific protein 1 in human umbilical vein endothelium. <i>Journal of Cellular Physiology</i> , 2008, 215, 645-656.	4.1	27
85	Potential Cell Signalling Mechanisms Involved in Differential Placental Angiogenesis in Mild and Severe Pre-Eclampsia. <i>Current Vascular Pharmacology</i> , 2009, 7, 475-485.	1.7	26
86	A Role for Insulin on L-Arginine Transport in Fetal Endothelial Dysfunction in Hyperglycaemia. <i>Current Vascular Pharmacology</i> , 2009, 7, 467-474.	1.7	26
87	Modulation of adenosine transport by insulin in human umbilical artery smooth muscle cells from normal or gestational diabetic pregnancies. <i>Journal of Physiology</i> , 2001, 534, 243-254.	2.9	25
88	Sodium/proton exchanger isoform 1 regulates intracellular pH and cell proliferation in human ovarian cancer. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 81-91.	3.8	25
89	Mitochondrial dysfunction in the fetoplacental unit in gestational diabetes mellitus. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165948.	3.8	25
90	Gestational diabetes and foetoplacental vascular dysfunction. <i>Acta Physiologica</i> , 2021, 232, e13671.	3.8	25

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91	Potential Role of Sodium-Proton Exchangers in the Low Concentration Arsenic Trioxide-Increased Intracellular pH and Cell Proliferation. PLoS ONE, 2012, 7, e51451.	2.5	24
92	D-glucose stimulation of L-arginine transport and nitric oxide synthesis results from activation of mitogen-activated protein kinases p42/44 and Smad2 requiring functional type II TGF- β receptors in human umbilical vein endothelium. Journal of Cellular Physiology, 2007, 212, 626-632.	4.1	23
93	Exosomes derived from monocytes and from endothelial cells mediate monocyte and endothelial cell activation under high D-glucose conditions. Immunobiology, 2019, 224, 325-333.	1.9	23
94	Role of equilibrative adenosine transporters and adenosine receptors as modulators of the human placental endothelium in gestational diabetes mellitus. Placenta, 2013, 34, 1121-1127.	1.5	21
95	Foetoplacental epigenetic changes associated with maternal metabolic dysfunction. Placenta, 2018, 69, 146-152.	1.5	21
96	Functional Link Between Adenosine and Insulin: A Hypothesis for Fetoplacental Vascular Endothelial Dysfunction in Gestational Diabetes. Current Vascular Pharmacology, 2011, 9, 750-762.	1.7	21
97	TGF- β 1 inhibits expression and activity of hENT1 in a nitric oxide-dependent manner in human umbilical vein endothelium. Cardiovascular Research, 2009, 82, 458-467.	3.8	20
98	Potential Role of A _{2B} Adenosine Receptors on Proliferation/Migration of Fetal Endothelium Derived from Preeclamptic Pregnancies. BioMed Research International, 2014, 2014, 1-11.	1.9	20
99	A hypothesis for the role of RECK in angiogenesis. Current Vascular Pharmacology, 2015, 14, 106-115.	1.7	20
100	Cardiovascular Action of Insulin in Health and Disease: Endothelial L-Arginine Transport and Cardiac Voltage-Dependent Potassium Channels. Frontiers in Physiology, 2016, 7, 74.	2.8	20
101	Mechanisms of the effect of magnesium salts in preeclampsia. Placenta, 2018, 69, 134-139.	1.5	20
102	Nitric Oxide: A Regulator of Cellular Function in Health and Disease. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-2.	4.0	19
103	Involvement of A _{2B} adenosine receptors as anti-inflammatory in gestational diabetes. Molecular Aspects of Medicine, 2019, 66, 31-39.	6.4	19
104	Tetrahydrobiopterin Role in human umbilical vein endothelial dysfunction in maternal supraphysiological hypercholesterolemia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 536-544.	3.8	18
105	Increased expression of the multidrug resistance-associated protein 1 (MRP1) in kidney glomeruli of streptozotocin-induced diabetic rats. Biological Chemistry, 2011, 392, 529-37.	2.5	17
106	Escherichia coli Heat-Stable Enterotoxin Mediates Na ⁺ /H ⁺ Exchanger 4 Inhibition Involving cAMP in T84 Human Intestinal Epithelial Cells. PLoS ONE, 2015, 10, e0146042.	2.5	17
107	Impaired signalling pathways mediated by extracellular vesicles in diabetes. Molecular Aspects of Medicine, 2019, 66, 13-20.	6.4	17
108	Role of insulin, adenosine, and adipokine receptors in the foetoplacental vascular dysfunction in gestational diabetes mellitus. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165370.	3.8	17

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109	Differential expression of functional nucleoside transporters in non-differentiated and differentiated human endothelial progenitor cells. Placenta, 2010, 31, 928-936.	1.5	15
110	Intracellular and extracellular pH dynamics in the human placenta from diabetes mellitus. Placenta, 2016, 43, 47-53.	1.5	15
111	Preeclampsia associates with RECK-dependent decrease in human trophoblasts migration and invasion. Placenta, 2017, 59, 19-29.	1.5	15
112	Modulation of intracellular pH in human ovarian cancer.. Current Molecular Medicine, 2016, 16, 23-32.	1.3	15
113	Maternal Dyslipidaemia in Pregnancy with Gestational Diabetes Mellitus: Possible Impact on Foetoplacental Vascular Function and Lipoproteins in the Neonatal Circulation. Current Vascular Pharmacology, 2018, 17, 52-71.	1.7	15
114	Study protocol to investigate biomolecular muscle profile as predictors of long-term urinary incontinence in women with gestational diabetes mellitus. BMC Pregnancy and Childbirth, 2020, 20, 117.	2.4	14
115	Functional consequences of lead and mercury exposomes in the heart. Molecular Aspects of Medicine, 2022, 87, 101048.	6.4	14
116	Nitric Oxide, cGMP and cAMP Modulate Nitrobenzylthioinosine-Sensitive Adenosine Transport in Human Umbilical Artery Smooth Muscle Cells from Subjects with Gestational Diabetes. Experimental Physiology, 2000, 85, 399-409.	2.0	13
117	Pregnancy-specific urinary incontinence in women with gestational hyperglycaemia worsens the occurrence and severity of urinary incontinence and quality of life over the first year post partum. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2020, 252, 336-343.	1.1	13
118	IFPA Meeting 2009 Workshops Report. Placenta, 2010, 31, S4-S20.	1.5	12
119	Modulation of endothelial cell migration by ER stress and insulin resistance: a role during maternal obesity?. Frontiers in Pharmacology, 2014, 5, 189.	3.5	12
120	Intracellular acidification reduces l-arginine transport via system y+L but not via system y+/CATs and nitric oxide synthase activity in human umbilical vein endothelial cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 1192-1202.	3.8	12
121	Adenosine kinase and cardiovascular fetal programming in gestational diabetes mellitus. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165397.	3.8	12
122	Altered maternal metabolism during mild gestational hyperglycemia as a predictor of adverse perinatal outcomes: A comprehensive analysis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165478.	3.8	12
123	Involvement of Intracellular pH in Vascular Insulin Resistance. Current Vascular Pharmacology, 2019, 17, 440-446.	1.7	12
124	Impact of Remote Monitoring Technologies for Assisting Patients With Gestational Diabetes Mellitus: A Systematic Review. Frontiers in Bioengineering and Biotechnology, 2022, 10, 819697.	4.1	12
125	The influence of the dietary exposome on oxidative stress in pregnancy complications. Molecular Aspects of Medicine, 2022, 87, 101098.	6.4	12
126	Transport and metabolism of adenosine in diabetic human placenta. Reproduction, Fertility and Development, 1995, 7, 1499.	0.4	11

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127	New therapeutic approaches to treating hypertension in pregnancy. Drug Discovery Today, 2012, 17, 1307-1315.	6.4	11
128	DNA methylation changes in genes coding for leptin and insulin receptors during metabolic-altered pregnancies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165465.	3.8	11
129	Role of proteases in dysfunctional placental vascular remodelling in preeclampsia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165448.	3.8	11
130	Pro-angiogenic approach for skeletal muscle regeneration. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130059.	2.4	11
131	Nitric oxide and pH modulation in gynaecological cancer. Journal of Cellular and Molecular Medicine, 2016, 20, 2223-2230.	3.6	10
132	Intracellular acidification increases adenosine transport in human umbilical vein endothelial cells. Placenta, 2017, 51, 10-17.	1.5	10
133	Adenosine " from molecular mechanisms to pathophysiology. Molecular Aspects of Medicine, 2017, 55, 1-3.	6.4	10
134	Exposome and foetoplacental vascular dysfunction in gestational diabetes mellitus. Molecular Aspects of Medicine, 2022, 87, 101019.	6.4	10
135	Impact of maternal nutrition in viral infections during pregnancy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166231.	3.8	10
136	Adenosine plasma levels in the fetoplacental circulation in preeclampsia. American Journal of Obstetrics and Gynecology, 2012, 206, e5-e6.	1.3	9
137	Is a low level of free thyroxine in the maternal circulation associated with altered endothelial function in gestational diabetes?. Frontiers in Pharmacology, 2014, 5, 136.	3.5	9
138	Insulin Induces Relaxation and Decreases Hydrogen Peroxide-Induced Vasoconstriction in Human Placental Vascular Bed in a Mechanism Mediated by Calcium-Activated Potassium Channels and L-Arginine/Nitric Oxide Pathways. Frontiers in Physiology, 2016, 7, 529.	2.8	9
139	Role of heme oxygenase 1 and human chorionic gonadotropin in pregnancy associated diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165522.	3.8	9
140	Role of platelet-derived growth factor c on endothelial dysfunction in cardiovascular diseases. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130188.	2.4	9
141	Neonates from women with pregestational maternal obesity show reduced umbilical vein endothelial response to insulin. Placenta, 2019, 86, 35-44.	1.5	8
142	Altered foetoplacental vascular endothelial signalling to insulin in diabetes. Molecular Aspects of Medicine, 2019, 66, 40-48.	6.4	8
143	Glioma progression in diabetes. Molecular Aspects of Medicine, 2019, 66, 62-70.	6.4	8
144	Insulin requires A2B adenosine receptors to modulate the L-arginine/nitric oxide signalling in the human fetoplacental vascular endothelium from late-onset preeclampsia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 165993.	3.8	8

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145	Do Adenosine Receptors Offer New Therapeutic Options for Diabetic Nephropathy?. Current Vascular Pharmacology, 2009, 7, 450-459.	1.7	8
146	Extracellular Vesicles and Insulin Resistance: A Potential Interaction in Vascular Dysfunction. Current Vascular Pharmacology, 2019, 17, 491-497.	1.7	8
147	Insulin Therapy in Pregnancy Hypertensive Diseases and its Effect on the Offspring and Mother Later in Life. Current Vascular Pharmacology, 2019, 17, 455-464.	1.7	8
148	Bovine adrenal endothelial cells express nucleoside transporters nonregulated by protein kinases A and C. American Journal of Physiology - Cell Physiology, 1996, 271, C504-C510.	4.6	7
149	Role for Tetrahydrobiopterin in the Fetoplacental Endothelial Dysfunction in Maternal Supraphysiological Hypercholesterolemia. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	7
150	Reduced L-Carnitine Transport in Aortic Endothelial Cells from Spontaneously Hypertensive Rats. PLoS ONE, 2014, 9, e90339.	2.5	7
151	SARS- CoV-2 infection and oxidative stress in early-onset preeclampsia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166321.	3.8	7
152	Uptake of l-leucine and l-phenylalanine across the basolateral cell surface in isolated oxyntic glands. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1106, 257-263.	2.6	6
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