

# Maria P Ramos-Alvarez

## List of Publications by Year in Descending Order

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**Version:** 2024-04-17

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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.

53  
papers

1,703  
citations

22  
h-index

40  
g-index

58  
ext. papers

1,926  
ext. citations

4.7  
avg, IF

4.39  
L-index

#	Paper	IF	Citations
53	Pleiotrophin Expression and Actions in Pancreatic $\beta$ Cells.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 777868	5.7	
52	The Relationship between Angiogenic Factors and Energy Metabolism in Preeclampsia. <i>Nutrients</i> , <b>2022</b> , 14, 2172	6.7	2
51	Role of Receptor Protein Tyrosine Phosphatases (RPTPs) in Insulin Signaling and Secretion. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
50	Placental Compartmentalization of Lipid Metabolism: Implications for Singleton and Twin Pregnancies. <i>Reproductive Sciences</i> , <b>2021</b> , 28, 1150-1160	3	1
49	Deletion of pleiotrophin impairs glucose tolerance and liver metabolism in pregnant mice: Moonlighting role of glycerol kinase. <i>FASEB Journal</i> , <b>2021</b> , 35, e21911	0.9	1
48	High levels of maternal total tri-iodothyronine, and low levels of fetal free L-thyroxine and total tri-iodothyronine, are associated with altered deiodinase expression and activity in placenta with gestational diabetes mellitus. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242743	3.7	2
47	Role of RPTP $\beta$ in neuroinflammation and microglia-neuron communication. <i>Scientific Reports</i> , <b>2020</b> , 10, 20259	4.9	1
46	Connecting MetaInflammation and Neuroinflammation Through the PTN-MK-RPTP $\beta$ Axis: Relevance in Therapeutic Development. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 377	5.6	26
45	Metabolic alterations associated with maternal undernutrition during the first half of gestation lead to a diabetogenic state in the rat. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 2521-2533	5.2	4
44	Pleiotrophin deletion alters glucose homeostasis, energy metabolism and brown fat thermogenic function in mice. <i>Diabetologia</i> , <b>2019</b> , 62, 123-135	10.3	10
43	Diabetes in pregnancy: a new decade of challenges ahead. <i>Diabetologia</i> , <b>2018</b> , 61, 1012-1021	10.3	48
42	Endogenous pleiotrophin and midkine regulate LPS-induced glial responses. <i>Neuroscience Letters</i> , <b>2018</b> , 662, 213-218	3.3	12
41	Antioxidants and Oxidative Stress: Focus in Obese Pregnancies. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1569	4.6	15
40	Pleiotrophin regulates microglia-mediated neuroinflammation. <i>Journal of Neuroinflammation</i> , <b>2017</b> , 14, 46	10.1	32
39	GC-MS based Gestational Diabetes Mellitus longitudinal study: Identification of 2-and 3-hydroxybutyrate as potential prognostic biomarkers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 144, 90-98	3.5	31
38	Vascular Dysfunction in Mother and Offspring During Preeclampsia: Contributions from Latin-American Countries. <i>Current Hypertension Reports</i> , <b>2017</b> , 19, 83	4.7	21
37	Increased inflammation, oxidative stress and mitochondrial respiration in brown adipose tissue from obese mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 16082	4.9	100

36	Short-term vitamin E treatment impairs reactive oxygen species signaling required for adipose tissue expansion, resulting in fatty liver and insulin resistance in obese mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186579	3.7	16
35	Peroxisome proliferator activated receptor gamma 2 modulates late pregnancy homeostatic metabolic adaptations. <i>Molecular Medicine</i> , <b>2016</b> , 22, 724-736	6.2	12
34	Midkine Is a Novel Regulator of Amphetamine-Induced Striatal Gliosis and Cognitive Impairment: Evidence for a Stimulus-Dependent Regulation of Neuroinflammation by Midkine. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 9894504	4.3	10
33	Vitamin E reduces adipose tissue fibrosis, inflammation, and oxidative stress and improves metabolic profile in obesity. <i>Obesity</i> , <b>2015</b> , 23, 1598-606	8	57
32	Metabolic fingerprint of Gestational Diabetes Mellitus. <i>Journal of Proteomics</i> , <b>2014</b> , 103, 57-71	3.9	91
31	Pleiotrophin differentially regulates the rewarding and sedative effects of ethanol. <i>Journal of Neurochemistry</i> , <b>2014</b> , 131, 688-95	6	20
30	Genetic inactivation of midkine modulates behavioural responses to ethanol possibly by enhancing GABA(A) receptor sensitivity to GABA(A) acting drugs. <i>Behavioural Brain Research</i> , <b>2014</b> , 274, 258-63	3.4	14
29	Leptin drives fat distribution during diet-induced obesity in mice. <i>Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion</i> , <b>2012</b> , 59, 354-61		10
28	Leptin resistance develops spontaneously in mice during adult life in a tissue-specific manner. Consequences for hepatic steatosis. <i>Biochimie</i> , <b>2011</b> , 93, 1779-85	4.6	25
27	Implication of low level inflammation in the insulin resistance of adipose tissue at late pregnancy. <i>Endocrinology</i> , <b>2011</b> , 152, 4094-105	4.8	30
26	Enhanced utilization of glycerol for glyceride synthesis in isolated adipocytes from early pregnant rats. <i>Journal of Physiology and Biochemistry</i> , <b>2010</b> , 66, 245-53	5	7
25	Early and prolonged intake of partially hydrogenated fat alters the expression of genes in rat adipose tissue. <i>Nutrition</i> , <b>2009</b> , 25, 782-9	4.8	22
24	Pharmacological and gene modification-based models for studying the impact of perinatal metabolic disturbances in adult life. <i>Advances in Experimental Medicine and Biology</i> , <b>2009</b> , 646, 141-8	3.6	3
23	Validation of simple indexes to assess insulin sensitivity during pregnancy in Wistar and Sprague-Dawley rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 295, E1269-76	6	294
22	Hyperinsulinemia induces insulin resistance on glucose and lipid metabolism in a human adipocytic cell line: paracrine interaction with myocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 2866-76	5.6	33
21	Long-term effects of trans fatty acid intake during pregnancy and lactation: does it have deleterious consequences?. <i>Future Lipidology</i> , <b>2008</b> , 3, 489-494		3
20	Role of insulin receptor substrate-1 serine 307 phosphorylation and adiponectin in adipose tissue insulin resistance in late pregnancy. <i>Endocrinology</i> , <b>2007</b> , 148, 5933-42	4.8	23
19	Induction of cardiac uncoupling protein-2 expression and adenosine 5' monophosphate-activated protein kinase phosphorylation during early states of diet-induced obesity in mice. <i>Endocrinology</i> , <b>2007</b> , 148, 924-31	4.8	65

18	Morphine differentially regulates hsp90beta expression in the nucleus accumbens of Lewis and Fischer 344 rats. <i>Brain Research Bulletin</i> , <b>2007</b> , 73, 325-9	3.9	9
17	Perivascular adipose tissue and mesenteric vascular function in spontaneously hypertensive rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1297-302	9.4	133
16	Lipid metabolism during the perinatal phase, and its implications on postnatal development. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2006</b> , 76, 216-24	1.7	22
15	Englitazone administration to late pregnant rats produces delayed body growth and insulin resistance in their fetuses and neonates. <i>Biochemical Journal</i> , <b>2005</b> , 389, 913-8	3.8	19
14	Experimental models for studying perinatal lipid metabolism. Long-term effects of perinatal undernutrition. <i>Advances in Experimental Medicine and Biology</i> , <b>2005</b> , 569, 95-108	3.6	7
13	Fat accumulation in the rat during early pregnancy is modulated by enhanced insulin responsiveness. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2003</b> , 285, E318-28	6	64
12	Regulation of leptin distribution between plasma and cerebrospinal fluid by cholecystokinin receptors. <i>British Journal of Pharmacology</i> , <b>2003</b> , 140, 647-52	8.6	12
11	Characterization of the role of endogenous cholecystokinin on the activity of the paraventricular nucleus of the hypothalamus in rats. <i>British Journal of Pharmacology</i> , <b>2003</b> , 140, 964-70	8.6	15
10	Nitric oxide inhibits isoproterenol-stimulated adipocyte lipolysis through oxidative inactivation of the $\beta$ agonist. <i>Biochemical Journal</i> , <b>2000</b> , 351, 485	3.8	7
9	The cardiac acetylcholine-activated, inwardly rectifying K <sup>+</sup> -channel subunit GIRK1 gives rise to an inward current induced by free oxygen radicals. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 26, 253-9	7.8	5
8	Copper can promote oxidation of LDL by markedly different mechanisms. <i>Free Radical Biology and Medicine</i> , <b>1998</b> , 24, 607-23	7.8	90
7	Chondroitin 4-sulphate exhibits inhibitory effect during Cu <sup>2+</sup> -mediated LDL oxidation. <i>FEBS Letters</i> , <b>1997</b> , 403, 154-8	3.8	32
6	Nitroxide reduction with ascorbic acid in spin labeled human plasma LDL and VLDL. <i>Chemistry and Physics of Lipids</i> , <b>1997</b> , 85, 1-12	3.7	21
5	The interaction of lower alcohols with apoB in spin labeled human plasma low density lipoproteins (LDL). <i>Chemistry and Physics of Lipids</i> , <b>1997</b> , 87, 125-35	3.7	4
4	Chemistry and pathophysiology of oxidation of LDL. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , <b>1996</b> , 127, 31-64	2.9	147
3	Preparation of fatty acid methyl esters from lipoprotein and macrophage lipid subclasses on thin-layer plates. <i>Lipids</i> , <b>1996</b> , 31, 1302-10	1.6	28
2	Factors affecting resistance of low density lipoproteins to oxidation. <i>Lipids</i> , <b>1996</b> , 31 Suppl, S71-6	1.6	39
1	Effect of prolonged glucose infusion on insulin sensitivity in the conscious normal rat. <i>Hormone and Metabolic Research</i> , <b>1995</b> , 27, 197-200	3.1	5

