

# Gema Medina-Gomez

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

4,242  
citations

126708

33  
h-index

149479

56  
g-index

57  
all docs

57  
docs citations

57  
times ranked

7406  
citing authors

#	ARTICLE	IF	CITATIONS
1	PPAR gamma 2 Prevents Lipotoxicity by Controlling Adipose Tissue Expandability and Peripheral Lipid Metabolism. <i>PLoS Genetics</i> , 2007, 3, e64.	1.5	346
2	Nuclear receptor corepressor RIP140 regulates fat accumulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8437-8442.	3.3	337
3	Ablation of PGC-1 $\beta$ Results in Defective Mitochondrial Activity, Thermogenesis, Hepatic Function, and Cardiac Performance. <i>PLoS Biology</i> , 2006, 4, e369.	2.6	249
4	Bioinformatics strategies for lipidomics analysis: characterization of obesity related hepatic steatosis. <i>BMC Systems Biology</i> , 2007, 1, 12.	3.0	234
5	IGF-Binding Protein-2 Protects Against the Development of Obesity and Insulin Resistance. <i>Diabetes</i> , 2007, 56, 285-294.	0.3	231
6	SUCNR1 controls an anti-inflammatory program in macrophages to regulate the metabolic response to obesity. <i>Nature Immunology</i> , 2019, 20, 581-592.	7.0	168
7	Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. <i>Cell Metabolism</i> , 2017, 26, 212-229.e12.	7.2	167
8	Adipogenesis and lipotoxicity: role of peroxisome proliferator-activated receptor $\beta$ (PPAR $\beta$ ) and PPAR $\beta$ coactivator-1 (PGC1). <i>Public Health Nutrition</i> , 2007, 10, 1132-1137.	1.1	165
9	Mitochondrial Fusion Is Increased by the Nuclear Coactivator PGC-1 $\beta$ . <i>PLoS ONE</i> , 2008, 3, e3613.	1.1	159
10	The Link Between Nutritional Status and Insulin Sensitivity Is Dependent on the Adipocyte-Specific Peroxisome Proliferator-Activated Receptor- $\alpha$ Isoform. <i>Diabetes</i> , 2005, 54, 1706-1716.	0.3	157
11	PGC-1 $\beta$ Deficiency Accelerates the Transition to Heart Failure in Pressure Overload Hypertrophy. <i>Circulation Research</i> , 2011, 109, 783-793.	2.0	136
12	Human Obesity and Type 2 Diabetes Are Associated With Alterations in SREBP1 Isoform Expression That Are Reproduced Ex Vivo by Tumor Necrosis Factor- $\alpha$ . <i>Diabetes</i> , 2002, 51, 1035-1041.	0.3	133
13	PPARs and Metabolic Disorders Associated with Challenged Adipose Tissue Plasticity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2124.	1.8	116
14	The metabolic profile of early Huntington's disease- a combined human and transgenic mouse study. <i>Experimental Neurology</i> , 2008, 210, 691-698.	2.0	99
15	Lipotoxicity as a trigger factor of renal disease. <i>Journal of Nephrology</i> , 2016, 29, 603-610.	0.9	88
16	<i>Dact1</i> , a Nutritionally Regulated Preadipocyte Gene, Controls Adipogenesis by Coordinating the Wnt/ $\beta$ -Catenin Signaling Network. <i>Diabetes</i> , 2009, 58, 609-619.	0.3	84
17	Leptin Deficiency Unmasks the Deleterious Effects of Impaired Peroxisome Proliferator-Activated Receptor $\alpha$ Function (P465L PPAR $\alpha$ ) in Mice. <i>Diabetes</i> , 2006, 55, 2669-2677.	0.3	80
18	Hypothalamus and thermogenesis: Heating the BAT, browning the WAT. <i>Molecular and Cellular Endocrinology</i> , 2016, 438, 107-115.	1.6	80

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19	Adaptive Changes of the Insig1/SREBP1/SCD1 Set Point Help Adipose Tissue to Cope With Increased Storage Demands of Obesity. <i>Diabetes</i> , 2013, 62, 3697-3708.	0.3	76
20	The Peroxisome Proliferator-activated Receptor- $\beta$ Regulates Murine Pyruvate Carboxylase Gene Expression in Vivo and in Vitro. <i>Journal of Biological Chemistry</i> , 2005, 280, 27466-27476.	1.6	74
21	Mitochondria and endocrine function of adipose tissue. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012, 26, 791-804.	2.2	70
22	Transforming Growth Factor- $\beta$ 3 Regulates Adipocyte Number in Subcutaneous White Adipose Tissue. <i>Cell Reports</i> , 2018, 25, 551-560.e5.	2.9	68
23	Renal Lipotoxicity-Associated Inflammation and Insulin Resistance Affects Actin Cytoskeleton Organization in Podocytes. <i>PLoS ONE</i> , 2015, 10, e0142291.	1.1	65
24	Maternal Exposure to Bisphenol-A During Pregnancy Increases Pancreatic $\beta$ -Cell Growth During Early Life in Male Mice Offspring. <i>Endocrinology</i> , 2016, 157, 4158-4171.	1.4	59
25	Increased Dihydroceramide/Ceramide Ratio Mediated by Defective Expression of <i>degs1</i> Impairs Adipocyte Differentiation and Function. <i>Diabetes</i> , 2015, 64, 1180-1192.	0.3	55
26	DLK1/PREF1 regulates nutrient metabolism and protects from steatosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16088-16093.	3.3	54
27	Maintenance of Kidney Metabolic Homeostasis by PPAR Gamma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2063.	1.8	52
28	Gateway to the metabolic syndrome. <i>Nature Medicine</i> , 2005, 11, 602-603.	15.2	46
29	A Prevalent Variant in PPP1R3A Impairs Glycogen Synthesis and Reduces Muscle Glycogen Content in Humans and Mice. <i>PLoS Medicine</i> , 2008, 5, e27.	3.9	44
30	Underlying Mechanisms of Renal Lipotoxicity in Obesity. <i>Nephron</i> , 2019, 143, 28-32.	0.9	44
31	Adaptation and failure of pancreatic $\beta$ cells in murine models with different degrees of metabolic syndrome. <i>DMM Disease Models and Mechanisms</i> , 2009, 2, 582-592.	1.2	43
32	Long-term caloric restriction ameliorates deleterious effects of aging on white and brown adipose tissue plasticity. <i>Aging Cell</i> , 2019, 18, e12948.	3.0	43
33	Accelerated renal disease is associated with the development of metabolic syndrome in a glucolipotoxic mouse model. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 636-48.	1.2	35
34	Thermogenic effect of triiodothyroacetic acid at low doses in rat adipose tissue without adverse side effects in the thyroid axis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E688-E697.	1.8	34
35	Central nicotine induces browning through hypothalamic $\mu$ opioid receptor. <i>Nature Communications</i> , 2019, 10, 4037.	5.8	32
36	Deletion of the metabolic transcriptional coactivator PGC1 $\beta$ induces cardiac arrhythmia. <i>Cardiovascular Research</i> , 2011, 92, 29-38.	1.8	30

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37	T3 and Triac inhibit leptin secretion and expression in brown and white rat adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1682, 38-47.	1.2	24
38	Potent thermogenic action of triiodothyroacetic acid in brown adipocytes. <i>Cellular and Molecular Life Sciences</i> , 2003, 60, 1957-1967.	2.4	23
39	Chronic mercury at low doses impairs white adipose tissue plasticity. <i>Toxicology</i> , 2019, 418, 41-50.	2.0	21
40	Insulin action is severely impaired in adipocytes of apparently healthy overweight and obese subjects. <i>Journal of Internal Medicine</i> , 2019, 285, 578-588.	2.7	21
41	Pleiotrophin deletion alters glucose homeostasis, energy metabolism and brown fat thermogenic function in mice. <i>Diabetologia</i> , 2019, 62, 123-135.	2.9	20
42	Lipocalin Prostaglandin D Synthase and PPAR $\gamma$ 2 Coordinate to Regulate Carbohydrate and Lipid Metabolism In Vivo. <i>PLoS ONE</i> , 2012, 7, e39512.	1.1	19
43	Lipidomic and Metabolomic Signature of Progression of Chronic Kidney Disease in Patients with Severe Obesity. <i>Metabolites</i> , 2021, 11, 836.	1.3	19
44	Peroxisome Proliferator-Activated Receptor $\gamma$ 2 Modulates Late-Pregnancy Homeostatic Metabolic Adaptations. <i>Molecular Medicine</i> , 2016, 22, 724-736.	1.9	18
45	Obesity and pregnancy, the perfect metabolic storm. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 1723-1734.	1.3	17
46	Early peroxisome proliferator-activated receptor gamma regulated genes involved in expansion of pancreatic beta cell mass. <i>BMC Medical Genomics</i> , 2011, 4, 86.	0.7	15
47	Mesenchyme-derived IGF2 is a major paracrine regulator of pancreatic growth and function. <i>PLoS Genetics</i> , 2020, 16, e1009069.	1.5	15
48	Transforming growth factor $\beta$ 3 deficiency promotes defective lipid metabolism and fibrosis in murine kidney. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	11
49	Metabolomic and Lipidomic Analysis of the Heart of Peroxisome Proliferator-Activated Receptor $\gamma$ 3 Coactivator 1 $\alpha$ Knock Out Mice on a High Fat Diet. <i>Metabolites</i> , 2012, 2, 366-381.	1.3	6
50	Pleiotrophin Deficiency Induces Browning of Periovarian Adipose Tissue and Protects against High-Fat Diet-Induced Hepatic Steatosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9261.	1.8	4
51	Insulin-like Growth Factor I Couples Metabolism with Circadian Activity through Hypothalamic Orexin Neurons. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4679.	1.8	4
52	The risk of jiggly fat in aging. <i>Aging</i> , 2019, 11, 5298-5299.	1.4	3
53	Potential benefits of egg white hydrolysate in the prevention of Hg-induced dysfunction in adipose tissue. <i>Food and Function</i> , 2022, 13, 5996-6007.	2.1	3
54	Papel de la lipotoxicidad en el desarrollo de la lesión renal en el síndrome metabólico y el envejecimiento. <i>Dialisis Y Trasplante</i> , 2012, 33, 89-96.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Obesity and type 2 diabetes in renal pathology. Endocrinología Y Nutricion: Organo De La Sociedad Espanola De Endocrinología Y Nutricion, 2013, 60, 23-25.	0.8	0