

# Rosalba Rodríguez Rodríguez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5702110/publications.pdf>

Version: 2024-02-01

68  
papers

2,009  
citations

218677

26  
h-index

254184

43  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3198  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Selective targeting of neurons using nanomedicine-based strategies: open questions and new opportunities. <i>Nanomedicine</i> , 2022, 17, 495-498.  | 3.3  | 4         |
| 2  | Molecular Mechanisms Underlying the Effects of Olive Oil Triterpenic Acids in Obesity and Related Diseases. <i>Nutrients</i> , 2022, 14, 1606.  | 4.1  | 12        |
| 3  | Sonochemical coating of Prussian Blue for the production of smart bacterial-sensing hospital textiles. <i>Ultrasonics Sonochemistry</i> , 2021, 70, 105317.   | 8.2  | 21        |
| 4  | The return of malonyl-CoA to the brain: Cognition and other stories. <i>Progress in Lipid Research</i> , 2021, 81, 101071.  | 11.6 | 28        |
| 5  | Carnitine palmitoyltransferase 1C negatively regulates the endocannabinoid hydrolase ABHD6 in mice, depending on nutritional status. <i>British Journal of Pharmacology</i> , 2021, 178, 1507-1523. | 5.4  | 11        |
| 6  | New Insights of SF1 Neurons in Hypothalamic Regulation of Obesity and Diabetes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6186.  | 4.1  | 16        |
| 7  | Poly-ion complex micelles effectively deliver CoA-conjugated CPT1A inhibitors to modulate lipid metabolism in brain cells. <i>Biomaterials Science</i> , 2021, 9, 7076-7091.                        | 5.4  | 10        |
| 8  | Hypothalamic endocannabinoids in obesity: an old story with new challenges. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7469-7490.  | 5.4  | 11        |
| 9  | Polyphosphate degradation by Nudt3-Zn <sup>2+</sup> mediates oxidative stress response. <i>Cell Reports</i> , 2021, 37, 110004.   | 6.4  | 18        |
| 10 | Hypothalamic Regulation of Obesity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13459.   | 4.1  | 5         |
| 11 | A self-calibrating and multiplexed electrochemical lab-on-a-chip for cell culture analysis and high-resolution imaging. <i>Lab on A Chip</i> , 2020, 20, 823-833.                                   | 6.0  | 11        |
| 12 | Editorial: Current Challenges for Targeting Brown Fat Thermogenesis to Combat Obesity. <i>Frontiers in Endocrinology</i> , 2020, 11, 600341.  | 3.5  | 6         |
| 13 | SIRT3 deficiency exacerbates fatty liver by attenuating the HIF1 $\alpha$ -LIPIN 1 pathway and increasing CD36 through Nrf2. <i>Cell Communication and Signaling</i> , 2020, 18, 147.               | 6.5  | 25        |
| 14 | An overview of nanomedicines for neuron targeting. <i>Nanomedicine</i> , 2020, 15, 1617-1636.   | 3.3  | 12        |
| 15 | Pomace Olive Oil Concentrated in Triterpenic Acids Restores Vascular Function, Glucose Tolerance and Obesity Progression in Mice. <i>Nutrients</i> , 2020, 12, 323.                                 | 4.1  | 22        |
| 16 | Drug uptake-based chemoresistance in breast cancer treatment. <i>Biochemical Pharmacology</i> , 2020, 177, 113959.  | 4.4  | 88        |
| 17 | A New Nanomedicine Platform to Deliver a Carnitine Palmitoyl-Transferase 1 (CPT1) Inhibitor into Glioma Cells and Neurons. <i>Materials Proceedings</i> , 2020, 4, .                                | 0.2  | 0         |
| 18 | Ultrasensitive Photonic Microsystem Enabling Sub-micrometric Monitoring of Arterial Oscillations for Advanced Cardiovascular Studies. <i>Frontiers in Physiology</i> , 2019, 10, 940.               | 2.8  | 0         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Hypothalamic endocannabinoids inversely correlate with the development of diet-induced obesity in male and female mice. <i>Journal of Lipid Research</i> , 2019, 60, 1260-1269.   | 4.2  | 13        |
| 20 | Reconfigurable multiplexed point of Care System for monitoring type 1 diabetes patients. <i>Biosensors and Bioelectronics</i> , 2019, 136, 38-46.   | 10.1 | 15        |
| 21 | CPT1C in the ventromedial nucleus of the hypothalamus is necessary for brown fat thermogenesis activation in obesity. <i>Molecular Metabolism</i> , 2019, 19, 75-85.  | 6.5  | 27        |
| 22 | Mediterranean Tomato-Based Sofrito Sauce Improves Fibroblast Growth Factor 21 (FGF21) Signaling in White Adipose Tissue of Obese ZUCKER Rats. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700606.                                 | 3.3  | 15        |
| 23 | Hypothalamic Regulation of Liver and Muscle Nutrient Partitioning by Brain-Specific Carnitine Palmitoyltransferase 1C in Male Mice. <i>Endocrinology</i> , 2017, 158, 2226-2238.  | 2.8  | 18        |
| 24 | Mediterranean tomato-based sofrito protects against vascular alterations in obese Zucker rats by preserving NO bioavailability. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1601010.   | 3.3  | 17        |
| 25 | Astrocytes and oligodendrocytes in grey and white matter regions of the brain metabolize fatty acids. <i>Scientific Reports</i> , 2017, 7, 10779.   | 3.3  | 34        |
| 26 | Characterization of Ferrofluid-Based Stimuli-Responsive Elastomers. <i>Frontiers in Mechanical Engineering</i> , 2016, 2, .   | 1.8  | 0         |
| 27 | Diet supplementation with rice bran enzymatic extract restores endothelial impairment and wall remodelling of ApoE <sup>-/-</sup> mice microvessels. <i>Atherosclerosis</i> , 2016, 250, 15-22.   | 0.8  | 5         |
| 28 | Self-oriented Ag-based polycrystalline cubic nanostructures through polymer stabilization. <i>Nanotechnology</i> , 2016, 27, 425603.  | 2.6  | 0         |
| 29 | Carnitine palmitoyltransferase 1C: From cognition to cancer. <i>Progress in Lipid Research</i> , 2016, 61, 134-148.   | 11.6 | 102       |
| 30 | Rice bran prevents high-fat diet-induced inflammation and macrophage content in adipose tissue. <i>European Journal of Nutrition</i> , 2016, 55, 2011-2019.   | 3.9  | 41        |
| 31 | PPAR $\delta$ ameliorates fructose-induced insulin resistance in adipocytes by preventing Nrf2 activation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1049-1058.   | 3.8  | 21        |
| 32 | Phenolic content of extra virgin olive oil is essential to restore endothelial dysfunction but not to prevent vascular inflammation in atherosclerotic lesions of Apo E deficient mice. <i>Journal of Functional Foods</i> , 2015, 15, 126-136. | 3.4  | 9         |
| 33 | Activity-tunable nanocomposites based on dissolution and in situ recrystallization of nanoparticles on ion exchange resins. <i>RSC Advances</i> , 2015, 5, 89971-89975.   | 3.6  | 2         |
| 34 | Structural, mechanical and myogenic properties of small mesenteric arteries from ApoE KO mice: Characterization and effects of virgin olive oil diets. <i>Atherosclerosis</i> , 2015, 238, 55-63.   | 0.8  | 13        |
| 35 | Oleanolic Acid and Related Triterpenoids from Olives on Vascular Function: Molecular Mechanisms and Therapeutic Perspectives. <i>Current Medicinal Chemistry</i> , 2015, 22, 1414-1425.   | 2.4  | 60        |
| 36 | Opto-mechanical microbridles for the determination of structural and functional properties of small resistance arteries. , 2014, , .  |      | 0         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Rice bran enzymatic extract "supplemented diets modulate adipose tissue inflammation markers in Zucker rats. <i>Nutrition</i> , 2014, 30, 466-472.   | 2.4  | 47        |
| 38 | Microvascular disorders in obese Zucker rats are restored by a rice bran diet. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 524-531.   | 2.6  | 18        |
| 39 | Virgin olive oil restores structural, myogenic and functional alterations of small mesenteric arteries from apoe ko mice. <i>Atherosclerosis</i> , 2014, 235, e112-e113.   | 0.8  | 0         |
| 40 | Rice bran enzymatic extract restores endothelial function and vascular contractility in obese rats by reducing vascular inflammation and oxidative stress. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1453-1461.                 | 4.2  | 53        |
| 41 | Water-soluble rice bran enzymatic extract attenuates dyslipidemia, hypertension and insulin resistance in obese Zucker rats. <i>European Journal of Nutrition</i> , 2013, 52, 789-797.   | 3.9  | 51        |
| 42 | Tau hyperphosphorylation and increased BACE1 and RAGE levels in the cortex of PPAR $\alpha$ -null mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1241-1248.   | 3.8  | 37        |
| 43 | Grape pomace enzymatic extract restores vascular dysfunction evoked by endothelin-1 and DETCA via NADPH oxidase downregulation and SOD activation. <i>Journal of Functional Foods</i> , 2013, 5, 1673-1683.                                  | 3.4  | 9         |
| 44 | Monolithically integrated biophotonic lab-on-a-chip for cell culture and simultaneous pH monitoring. <i>Lab on A Chip</i> , 2013, 13, 4239.  | 6.0  | 28        |
| 45 | Superparamagnetic Ag@Co Nanocomposites on Granulated Cation Exchange Polymeric Matrices with Enhanced Antibacterial Activity for the Environmentally Safe Purification of Water. <i>Advanced Functional Materials</i> , 2013, 23, 2450-2458. | 14.9 | 47        |
| 46 | Measurement of Nitric Oxide and Reactive Oxygen Species in the Vascular Wall. <i>Current Analytical Chemistry</i> , 2012, 8, 485-494.  | 1.2  | 21        |
| 47 | Intermatrix synthesis of monometallic and magnetic metal/metal oxide nanoparticles with bactericidal activity on anionic exchange polymers. <i>RSC Advances</i> , 2012, 2, 4596.   | 3.6  | 10        |
| 48 | Cell-based microfluidic device for screening anti-proliferative activity of drugs in vascular smooth muscle cells. <i>Biomedical Microdevices</i> , 2012, 14, 1129-1140.   | 2.8  | 16        |
| 49 | Endothelium-dependent vasodilator and antioxidant properties of a novel enzymatic extract of grape pomace from wine industrial waste. <i>Food Chemistry</i> , 2012, 135, 1044-1051.  | 8.2  | 40        |
| 50 | Natural Triterpenoids from Olive Oil: Potential Activities Against Cancer. , 2012, , 447-461.  |      | 5         |
| 51 | Critical update for the clinical use of L-carnitine analogs in cardiometabolic disorders. <i>Vascular Health and Risk Management</i> , 2011, 7, 169.   | 2.3  | 28        |
| 52 | Pharmacological effects and clinical applications of propionyl-L-carnitine. <i>Nutrition Reviews</i> , 2011, 69, 279-290.  | 5.8  | 62        |
| 53 | Antiatherogenic effects of oleanolic acid in apolipoprotein E knockout mice. <i>European Journal of Pharmacology</i> , 2011, 670, 519-526.   | 3.5  | 39        |
| 54 | Vasorelaxant Effects of Oleanolic Acid and Erythrodiol in Pomace Olive Oil. , 2010, , 813-820.   |      | 2         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | Endothelial dysfunction and aging: An update. <i>Ageing Research Reviews</i> , 2010, 9, 142-152.   | 10.9 | 252       |
| 56 | Functional Properties of Pentacyclic Triterpenes Contained in Pomace Olive Oil. , 2010, , 1431-1438.   |      | 12        |
| 57 | Desensitization of endothelial P2Y1 receptors by PKC-dependent mechanisms in pressurized rat small mesenteric arteries. <i>British Journal of Pharmacology</i> , 2009, 158, 1609-1620.                     | 5.4  | 29        |
| 58 | Novel approaches to improving endothelium-dependent nitric oxide-mediated vasodilatation. <i>Pharmacological Reports</i> , 2009, 61, 105-115.  | 3.3  | 48        |
| 59 | Effects of pomace olive oil-enriched diets on endothelial function of small mesenteric arteries from spontaneously hypertensive rats. <i>British Journal of Nutrition</i> , 2009, 102, 1435-1444.          | 2.3  | 32        |
| 60 | Oleanolic acid induces relaxation and calcium-independent release of endothelium-derived nitric oxide. <i>British Journal of Pharmacology</i> , 2008, 155, 535-546.  | 5.4  | 57        |
| 61 | Oleanolic Acid Induces Prostacyclin Release in Human Vascular Smooth Muscle Cells through a Cyclooxygenase-2-Dependent Mechanism. <i>Journal of Nutrition</i> , 2008, 138, 443-448.                        | 2.9  | 49        |
| 62 | Endothelial P2Y1 receptor desensitizes by protein kinase C-dependent mechanisms in rat small mesenteric arteries. <i>FASEB Journal</i> , 2008, 22, 636-636.  | 0.5  | 0         |
| 63 | Pomace Olive Oil Improves Endothelial Function in Spontaneously Hypertensive Rats by Increasing Endothelial Nitric Oxide Synthase Expression. <i>American Journal of Hypertension</i> , 2007, 20, 728-734. | 2.0  | 63        |
| 64 | l-carnitine and its propionate: Improvement of endothelial function in SHR through superoxide dismutase-dependent mechanisms. <i>Free Radical Research</i> , 2007, 41, 884-891.                            | 3.3  | 28        |
| 65 | Triterpenic Compounds from "Orujo" Olive Oil Elicit Vasorelaxation in Aorta from Spontaneously Hypertensive Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2096-2102.                 | 5.2  | 89        |
| 66 | Functional Properties of Pentacyclic Triterpenes Contained in "Orujo" Olive Oil. <i>Current Nutrition and Food Science</i> , 2006, 2, 45-49.   | 0.6  | 31        |
| 67 | Effects of Oleic Acid Rich Oils on Aorta Lipids and Lipoprotein Lipase Activity of Spontaneously Hypertensive Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 7330-7336.               | 5.2  | 10        |
| 68 | Potential vasorelaxant effects of oleanolic acid and erythrodiol, two triterpenoids contained in "orujo" olive oil, on rat aorta. <i>British Journal of Nutrition</i> , 2004, 92, 635-642.                 | 2.3  | 104       |