

Bruno Ramos-Molina

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,442
citations

394421

19
h-index

377865

34
g-index

60
all docs

60
docs citations

60
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of the Gut Microbiome in Colorectal Cancer Development and Therapy Response. <i>Cancers</i> , 2020, 12, 1406.	3.7	185
2	Dietary and Gut Microbiota Polyamines in Obesity- and Age-Related Diseases. <i>Frontiers in Nutrition</i> , 2019, 6, 24.	3.7	133
3	PCSK1 Mutations and Human Endocrinopathies: From Obesity to Gastrointestinal Disorders. <i>Endocrine Reviews</i> , 2016, 37, 347-371.	20.1	113
4	PCSK1 Variants and Human Obesity. <i>Progress in Molecular Biology and Translational Science</i> , 2016, 140, 47-74.	1.7	80
5	Altered Adipose Tissue DNA Methylation Status in Metabolic Syndrome: Relationships Between Global DNA Methylation and Specific Methylation at Adipogenic, Lipid Metabolism and Inflammatory Candidate Genes and Metabolic Variables. <i>Journal of Clinical Medicine</i> , 2019, 8, 87.	2.4	67
6	Gut Microbiota-Mediated Inflammation and Gut Permeability in Patients with Obesity and Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6782.	4.1	63
7	Metabolic endotoxemia promotes adipose dysfunction and inflammation in human obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E319-E332.	3.5	58
8	Non-Alcoholic Fatty Liver Disease in Lean and Non-Obese Individuals: Current and Future Challenges. <i>Biomedicines</i> , 2021, 9, 1346.	3.2	46
9	Posttranslational processing of FGF23 in osteocytes during the osteoblast to osteocyte transition. <i>Bone</i> , 2016, 84, 120-130.	2.9	44
10	Gut Microbiota Composition Is Associated With the Global DNA Methylation Pattern in Obesity. <i>Frontiers in Genetics</i> , 2019, 10, 613.	2.3	38
11	Antizyme Inhibitor 2 (AZIN2/ODCp) Stimulates Polyamine Uptake in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 20761-20769.	3.4	34
12	Antizyme inhibitor 2: molecular, cellular and physiological aspects. <i>Amino Acids</i> , 2010, 38, 603-611.	2.7	32
13	The Role of Fatty Acids in Non-Alcoholic Fatty Liver Disease Progression: An Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6900.	4.1	32
14	Type 2 Diabetes Is Associated with a Different Pattern of Serum Polyamines: A Caseâ€“Control Study from the PREDIMED-Plus Trial. <i>Journal of Clinical Medicine</i> , 2019, 8, 71.	2.4	31
15	Cationic Cell-Penetrating Peptides Are Potent Furin Inhibitors. <i>PLoS ONE</i> , 2015, 10, e0130417.	2.5	29
16	Differential expression of ornithine decarboxylase antizyme inhibitors and antizymes in rodent tissues and human cell lines. <i>Amino Acids</i> , 2012, 42, 539-547.	2.7	24
17	Revisiting PC1/3 Mutants: Dominant-Negative Effect of Endoplasmic Reticulum-Retained Mutants. <i>Endocrinology</i> , 2015, 156, 3625-3637.	2.8	23
18	Expression of antizyme inhibitor 2 in male haploid germinal cells suggests a role in spermiogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1070-1078.	2.8	22

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19	Leptin Signaling in Obesity and Colorectal Cancer. International Journal of Molecular Sciences, 2022, 23, 4713.	4.1	22
20	Subcellular localization of antizyme inhibitor 2 in mammalian cells: Influence of intrinsic sequences and interaction with antizymes. Journal of Cellular Biochemistry, 2009, 107, 732-740.	2.6	21
21	Loss of <i>Furin</i> in β^2 -Cells Induces an mTORC1-ATF4 Anabolic Pathway That Leads to β^2 -Cell Dysfunction. Diabetes, 2021, 70, 492-503.	0.6	20
22	Non-alcoholic fatty liver disease-related fibrosis and sarcopenia: An altered liver-muscle crosstalk leading to increased mortality risk. Ageing Research Reviews, 2022, 80, 101696.	10.9	19
23	Antizyme Inhibitor 2 Hypomorphic Mice. New Patterns of Expression in Pancreas and Adrenal Glands Suggest a Role in Secretory Processes. PLoS ONE, 2013, 8, e69188.	2.5	17
24	Endoplasmic reticulum-associated degradation of the mouse PC1/3-N222D hypomorph and human PCSK1 mutations contributes to obesity. International Journal of Obesity, 2016, 40, 973-981.	3.4	17
25	Differential effects of restrictive and malabsorptive bariatric surgery procedures on the serum lipidome in obese subjects. Journal of Clinical Lipidology, 2018, 12, 1502-1512.	1.5	14
26	Identification of potent and compartment-selective small molecule furin inhibitors using cell-based assays. Biochemical Pharmacology, 2015, 96, 107-118.	4.4	13
27	Antizyme Inhibitors in Polyamine Metabolism and Beyond: Physiopathological Implications. Medical Sciences (Basel, Switzerland), 2018, 6, 89.	2.9	13
28	Relationships of Gut Microbiota Composition, Short-Chain Fatty Acids and Polyamines with the Pathological Response to Neoadjuvant Radiochemotherapy in Colorectal Cancer Patients. International Journal of Molecular Sciences, 2021, 22, 9549.	4.1	13
29	Structural and degradative aspects of ornithine decarboxylase antizyme inhibitor 2. FEBS Open Bio, 2014, 4, 510-521.	2.3	12
30	Characterization of Metabolomic Profile Associated with Metabolic Improvement after Bariatric Surgery in Subjects with Morbid Obesity. Journal of Proteome Research, 2018, 17, 2704-2714.	3.7	12
31	Change in serum polyamine metabolome pattern after bariatric surgery in obese patients with metabolic syndrome. Surgery for Obesity and Related Diseases, 2020, 16, 306-311.	1.2	12
32	New insights of polyamine metabolism in testicular physiology: A role of ornithine decarboxylase antizyme inhibitor 2 (AZIN2) in the modulation of testosterone levels and sperm motility. PLoS ONE, 2018, 13, e0209202.	2.5	11
33	Metabotypes of response to bariatric surgery independent of the magnitude of weight loss. PLoS ONE, 2018, 13, e0198214.	2.5	11
34	Influence of ornithine decarboxylase antizymes and antizyme inhibitors on agmatine uptake by mammalian cells. Amino Acids, 2015, 47, 1025-1034.	2.7	10
35	Gender-Related Differences on Polyamine Metabolome in Liquid Biopsies by a Simple and Sensitive Two-Step Liquid-Liquid Extraction and LC-MS/MS. Biomolecules, 2019, 9, 779.	4.0	10
36	Analysis of the anti-inflammatory potential of Brassica bioactive compounds in a human macrophage-like cell model derived from HL-60 cells. Biomedicine and Pharmacotherapy, 2022, 149, 112804.	5.6	10

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37	Phosphorylation and Alternative Splicing of 7B2 Reduce Prohormone Convertase 2 Activation. <i>Molecular Endocrinology</i> , 2015, 29, 756-764.	3.7	9
38	Endosome to trans-Golgi network transport of Proprotein Convertase 7 is mediated by a cluster of basic amino acids and palmitoylated cysteines. <i>European Journal of Cell Biology</i> , 2017, 96, 432-439.	3.6	9
39	Functional analysis of PCSK2 coding variants: A founder effect in the Old Order Amish population. <i>Diabetes Research and Clinical Practice</i> , 2017, 131, 82-90.	2.8	9
40	Hyperphagia and Obesity in Prader-Willi Syndrome: PCSK1 Deficiency and Beyond?. <i>Genes</i> , 2018, 9, 288.	2.4	9
41	Novel Homozygous Inactivating Mutation in the PCSK1 Gene in an Infant with Congenital Malabsorptive Diarrhea. <i>Genes</i> , 2021, 12, 710.	2.4	9
42	The mouse Gm853 gene encodes a novel enzyme: Leucine decarboxylase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 365-376.	2.4	8
43	A Pilot Study of Serum Sphingomyelin Dynamics in Subjects with Severe Obesity and Non-alcoholic Steatohepatitis after Sleeve Gastrectomy. <i>Obesity Surgery</i> , 2019, 29, 983-989.	2.1	8
44	Epigenetic regulation of white adipose tissue in the onset of obesity and metabolic diseases. <i>Obesity Reviews</i> , 2020, 21, e13054.	6.5	8
45	Effect of a lifestyle intervention program with energy-restricted Mediterranean diet and exercise on the serum polyamine metabolome in individuals at high cardiovascular disease risk: a randomized clinical trial. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 975-982.	4.7	8
46	Differential Effects of Furin Deficiency on Insulin Receptor Processing and Glucose Control in Liver and Pancreatic β Cells of Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6344.	4.1	7
47	Gut microbiota and related metabolites in the pathogenesis of nonalcoholic steatohepatitis and its resolution after bariatric surgery. <i>Obesity Reviews</i> , 2022, 23, e13367.	6.5	7
48	Expression and distribution of genes encoding for polyamine-metabolizing enzymes in the different zones of male and female mouse kidneys. <i>Amino Acids</i> , 2012, 43, 2153-2163.	2.7	6
49	Mutational analysis of the antizyme-binding element reveals critical residues for the function of ornithine decarboxylase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5157-5165.	2.4	6
50	The induction of cardiac ornithine decarboxylase by β -adrenergic agents is associated with calcium channels and phosphorylation of ERK1/2. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 1978-1986.	2.6	6
51	Transgenic Artifacts Caused by Passenger Human Growth Hormone. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 670-674.	7.1	5
52	Relationship of Zonulin with Serum PCSK9 Levels after a High Fat Load in a Population of Obese Subjects. <i>Biomolecules</i> , 2020, 10, 748.	4.0	5
53	Genome Profiling of H3k4me3 Histone Modification in Human Adipose Tissue during Obesity and Insulin Resistance. <i>Biomedicines</i> , 2021, 9, 1363.	3.2	4
54	Regulated Proteolysis of Signaling Molecules: The Proprotein Convertases. , 2016, , 555-567.		2

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55	Dietary modulation of gut microbiota in patients with colorectal cancer undergoing surgery: A review. International Journal of Surgery, 2022, 104, 106751.	2.7	2
56	Editorial: Dietary Factors, Epigenetics and Their Implications for Human Obesity. Frontiers in Endocrinology, 2020, 11, 601.	3.5	0
57	Changes in the Serum Fatty Acid Profile After Anhepatic Phase of Orthotopic Liver Transplantation Procedure. Frontiers in Physiology, 2022, 13, 817987.	2.8	0
58	Gut Microbiome Modification through Dietary Intervention in Patients with Colorectal Cancer: Protocol for a Prospective, Interventional, Controlled, Randomized Clinical Trial in Patients with Scheduled Surgical Intervention for CRC. Journal of Clinical Medicine, 2022, 11, 3613.	2.4	0