Rita Castro

List of Publications by Year
in descending order

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Version: 2024-02-01

32 papers	2,422 citations	430754 18 h-index	434063 31 g-index
33 all docs	33 docs citations	33 times ranked	3826 citing authors

#	Article	IF	Citations
1	The Effect of Nutritional Ketosis on Aquaporin Expression in Apolipoprotein E-Deficient Mice: Potential Implications for Energy Homeostasis. Biomedicines, 2022, 10, 1159.	1.4	7
2	An Atherogenic Diet Disturbs Aquaporin 5 Expression in Liver and Adipocyte Tissues of Apolipoprotein E-Deficient Mice: New Insights into an Old Model of Experimental Atherosclerosis. Biomedicines, 2021, 9, 150.	1.4	6
3	A Hypomethylating Ketogenic Diet in Apolipoprotein E-Deficient Mice: A Pilot Study on Vascular Effects and Specific Epigenetic Changes. Nutrients, 2021, 13, 3576.	1.7	10
4	No Effect of Diet-Induced Mild Hyperhomocysteinemia on Vascular Methylating Capacity, Atherosclerosis Progression, and Specific Histone Methylation. Nutrients, 2020, 12, 2182.	1.7	11
5	Mild Hyperhomocysteinemia Induced by a Hypomethylating Diet Does Not Favor Aortic Plaque Formation in apoE Knockout Mice (P24-037-19). Current Developments in Nutrition, 2019, 3, nzz044.P24-037-19.	0.1	1
6	Homocysteine Metabolism in Children and Adolescents: Influence of Age on Plasma Biomarkers and Correspondent Genotype Interactions. Nutrients, 2019, 11, 646.	1.7	18
7	The Contribution of Homocysteine Metabolism Disruption to Endothelial Dysfunction: State-of-the-Art. International Journal of Molecular Sciences, 2019, 20, 867.	1.8	186
8	Endothelial Aquaporins and Hypomethylation: Potential Implications for Atherosclerosis and Cardiovascular Disease. International Journal of Molecular Sciences, 2018, 19, 130.	1.8	25
9	Folinic Acid Increases Protein Arginine Methylation in Human Endothelial Cells. Nutrients, 2018, 10, 404.	1.7	3
10	The Link Between Hyperhomocysteinemia and Hypomethylation. FIRE Forum for International Research in Education, 2017, 5, 232640981769899.	0.7	44
11	S-adenosylhomocysteine induces inflammation through NFkB: A possible role for EZH2 in endothelial cell activation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 82-92.	1.8	60
12	Association of the transcobalamin II gene 776Câ†'G polymorphism with Alzheimerâ€™s type dementia: dependence on the 5, 10-methylenetetrahydrofolate reductase 1298Aâ†'C polymorphism genotype. Annals of Clinical Biochemistry, 2015, 52, 448-455.	0.8	11
13	Protein arginine hypomethylation in a mouse model of cystathionine Î²â€synthase deficiency. FASEB Journal, 2014, 28, 2686-2695.	0.2	31
14	Inhibition of Cellular Methyltransferases Promotes Endothelial Cell Activation by Suppressing Glutathione Peroxidase 1 Protein Expression. Journal of Biological Chemistry, 2014, 289, 15350-15362.	1.6	45
15	Global protein and histone arginine methylation are affected in a tissue-specific manner in a rat model of diet-induced hyperhomocysteinemia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1708-1714.	1.8	33
16	Protein Arginine Methylation Is More Prone to Inhibition by S-Adenosylhomocysteine than DNA Methylation in Vascular Endothelial Cells. PLoS ONE, 2013, 8, e55483.	1.1	19
17	Asymmetric dimethylarginine in adults with cystathionine Î²-synthase deficiency. Atherosclerosis, 2012, 222, 509-511.	0.4	11
18	Cellular hypomethylation is associated with impaired nitric oxide production by cultured human endothelial cells. Amino Acids, 2012, 42, 1903-1911.	1.2	17

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19	Mathematics in chemistry: indeterminate forms and their meaning. International Journal of Mathematical Education in Science and Technology, 2011, 42, 664-679.	0.8	0
20	Epigenetic Modifications. Circulation, 2011, 123, 2145-2156.	1.6	734
21	Sialyl Lewisx-dependent binding of human monocyte-derived dendritic cells to selectins. Biochemical and Biophysical Research Communications, 2011, 409, 459-464.	1.0	24
22	The TCN2 776C>G polymorphism correlates with vitamin B12 cellular delivery in healthy adult populations. Clinical Biochemistry, 2010, 43, 645-649.	0.8	26
23	Global DNA methylation: comparison of enzymatic- and non-enzymatic-based methods. Clinical Chemistry and Laboratory Medicine, 2010, 48, 1793-1798.	1.4	13
24	Serum homocysteine: Interplay with other circulating and genetic factors in association to Alzheimer's type dementia. Clinical Biochemistry, 2009, 42, 783-790.	0.8	29
25	Molecular genetic analysis of the cystathionine Î²-synthase gene in Portuguese homocystinuria patients: three novel mutations. Clinical Genetics, 2008, 60, 161-163.	1.0	3
26	Homocysteine metabolism, hyperhomocysteinaemia and vascular disease: An overview. Journal of Inherited Metabolic Disease, 2006, 29, 3-20.	1.7	254
27	Intracellular S-adenosylhomocysteine increased levels are associated with DNA hypomethylation in HUVEC. Journal of Molecular Medicine, 2005, 83, 831-836.	1.7	79
28	5,10-methylenetetrahydrofolate reductase (MTHFR) 677C->T and 1298A->C mutations are associated with DNA hypomethylation. Journal of Medical Genetics, 2004, 41, 454-458.	1.5	238
29	Increased Homocysteine and S-Adenosylhomocysteine Concentrations and DNA Hypomethylation in Vascular Disease. Clinical Chemistry, 2003, 49, 1292-1296.	1.5	365
30	5,10â€Methylenetetrahydrofolate reductase 677Câ†'T and 1298Aâ†'C mutations are genetic determinants of elevated homocysteine. QJM - Monthly Journal of the Association of Physicians, 2003, 96, 297-303.	0.2	93
31	Quantification of plasma S-adenosylmethionine and S-adenosylhomocysteine as their fluorescent 1,N6-etheno derivatives: an adaptation of previously described methodology. Journal of Pharmaceutical and Biomedical Analysis, 2002, 29, 963-968.	1.4	20
32	Deciphering Protein Arginine Methylation in Mammals. , 0, , .		3