Rita Castro

List of Publications by Year
in descending order

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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	Epigenetic Modifications. Circulation, 2011, 123, 2145-2156.	1.6	734
2	Increased Homocysteine and S-Adenosylhomocysteine Concentrations and DNA Hypomethylation in Vascular Disease. Clinical Chemistry, 2003, 49, 1292-1296.	1.5	365
3	Homocysteine metabolism, hyperhomocysteinaemia and vascular disease: An overview. Journal of Inherited Metabolic Disease, 2006, 29, 3-20.	1.7	254
4	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
5	The Contribution of Homocysteine Metabolism Disruption to Endothelial Dysfunction: State-of-the-Art. International Journal of Molecular Sciences, 2019, 20, 867.	1.8	186
6	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
7	Intracellular S-adenosylhomocysteine increased levels are associated with DNA hypomethylation in HUVEC. Journal of Molecular Medicine, 2005, 83, 831-836.	1.7	79
8	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
9	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
10	The Link Between Hyperhomocysteinemia and Hypomethylation. FIRE Forum for International Research in Education, 2017, 5, 232640981769899.	0.7	44
11	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
12	Protein arginine hypomethylation in a mouse model of cystathionine Î²â€synthase deficiency. FASEB Journal, 2014, 28, 2686-2695.	0.2	31
13	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
14	The TCN2 776C>G polymorphism correlates with vitamin B12 cellular delivery in healthy adult populations. Clinical Biochemistry, 2010, 43, 645-649.	0.8	26
15	Endothelial Aquaporins and Hypomethylation: Potential Implications for Atherosclerosis and Cardiovascular Disease. International Journal of Molecular Sciences, 2018, 19, 130.	1.8	25
16	Sialyl Lewisx-dependent binding of human monocyte-derived dendritic cells to selectins. Biochemical and Biophysical Research Communications, 2011, 409, 459-464.	1.0	24
17	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
18	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

#	Article	IF	Citations
19	Homocysteine Metabolism in Children and Adolescents: Influence of Age on Plasma Biomarkers and Correspondent Genotype Interactions. Nutrients, 2019, 11, 646.	1.7	18
20	Cellular hypomethylation is associated with impaired nitric oxide production by cultured human endothelial cells. Amino Acids, 2012, 42, 1903-1911.	1.2	17
21	Global DNA methylation: comparison of enzymatic- and non-enzymatic-based methods. Clinical Chemistry and Laboratory Medicine, 2010, 48, 1793-1798.	1.4	13
22	Asymmetric dimethylarginine in adults with cystathionine Î²-synthase deficiency. Atherosclerosis, 2012, 222, 509-511.	0.4	11
23	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
24	No Effect of Diet-Induced Mild Hyperhomocysteinemia on Vascular Methylating Capacity, Atherosclerosis Progression, and Specific Histone Methylation. Nutrients, 2020, 12, 2182.	1.7	11
25	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
26	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
27	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
28	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
29	Deciphering Protein Arginine Methylation in Mammals. , 0, , .		3
30	Folinic Acid Increases Protein Arginine Methylation in Human Endothelial Cells. Nutrients, 2018, 10, 404.	1.7	3
31	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
32	Mathematics in chemistry: indeterminate forms and their meaning. International Journal of Mathematical Education in Science and Technology, 2011, 42, 664-679.	0.8	0