Diego Ingrosso

List of Publications by Year
in descending order

78 papers	2,664 citations	201674 27 h-index	189892 50 g-index
79 all docs	79 docs citations	79 times ranked	3005 citing authors

#	Article	IF	Citations
1	Folate treatment and unbalanced methylation and changes of allelic expression induced by hyperhomocysteinaemia in patients with uraemia. Lancet, The, 2003, 361, 1693-1699.	13.7	395
2	Occurrence of Dâ€aspartic acid and Nâ€methylâ€Dâ€aspartic acid in rat neuroendocrine tissues and their role in the modulation of luteinizing hormone and growth hormone release. FASEB Journal, 2000, 14, 699-714.	0.5	212
3	Hydroxytyrosol, a natural antioxidant from olive oil, prevents protein damage induced by long-wave ultraviolet radiation in melanoma cells. Free Radical Biology and Medicine, 2005, 38, 908-919.	2.9	135
4	Hyperhomocysteinemia and the MTHFR C677T polymorphism promote steatosis and fibrosis in chronic hepatitis C patients. Hepatology, 2005, 41, 995-1003.	7.3	113
5	Mechanism of erythrocyte accumulation of methylation inhibitor S-adenosylhomocysteine in uremia. Kidney International, 1995, 47, 247-253.	5.2	109
6	Possible mechanisms of homocysteine toxicity. Kidney International, 2003, 63, S137-S140.	5.2	93
7	Increased methyl esterification of altered aspartyl residues in erythrocyte membrane proteins in response to oxidative stress. FEBS Journal, 2000, 267, 4397-4405.	0.2	82
8	Hydrogen sulphide-generating pathways in haemodialysis patients: a study on relevant metabolites and transcriptional regulation of genes encoding for key enzymes. Nephrology Dialysis Transplantation, 2009, 24, 3756-3763.	0.7	78
9	Membrane protein damage and methylation reactions in chronic renal failure. Kidney International, 1996, 50, 358-366.	5.2	62
10	Epigenetics in hyperhomocysteinemic states. A special focus on uremia. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 892-899.	2.4	56
11	Protein Isoaspartate Methyltransferase Prevents Apoptosis Induced by Oxidative Stress in Endothelial Cells: Role of Bcl-Xl Deamidation and Methylation. PLoS ONE, 2008, 3, e3258.	2.5	50
12	Increased methyl esterification of membrane proteins in aged red-blood cells. Preferential esterification of ankyrin and band-4.1 cytoskeletal proteins. FEBS Journal, 1983, 135, 25-31.	0.2	48
13	Low hydrogen sulphide and chronic kidney disease: a dangerous liaison. Nephrology Dialysis Transplantation, 2012, 27, 486-493.	0.7	47
14	Moderate hyperhomocysteinaemia and retinopathy in insulin-dependent diabetes. Lancet, The, 1997, 349, 1102-1103.	13.7	43
15	Specificity of endoproteinase Asp-N (Pseudomonas fragi): Cleavage at glutamyl residues in two proteins. Biochemical and Biophysical Research Communications, 1989, 162, 1528-1534.	2.1	42
16	Protein methylation as a marker of aspartate damage in glucose-6-phosphate dehydrogenase-deficient erythrocytes. FEBS Journal, 2002, 269, 2032-2039.	0.2	42
17	Homocysteine metabolism in renal failure. Current Opinion in Clinical Nutrition and Metabolic Care, 2004, 7, 53-57.	2.5	42
18	Impact of parathyroidectomy on cardiovascular outcomes and survival in chronic hemodialysis patients with secondary hyperparathyroidism. A retrospective study of 50 cases prior to the calcimimetics era. BMC Surgery, 2013, 13, S4.	1.3	41

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19	Two Different Serum MiRNA Signatures Correlate with the Clinical Outcome and Histological Subtype in Pleural Malignant Mesothelioma Patients. PLoS ONE, 2015, 10, e0135331.	2.5	40
20	UVA irradiation induces L-isoaspartyl formation in melanoma cell proteins. Free Radical Biology and Medicine, 2001, 31, 1-9.	2.9	39
21	PROGRESS IN UREMIC TOXIN RESEARCH: Hyperhomocysteinemia in Uremiaâ€"A Red Flag in a Disrupted Circuit. Seminars in Dialysis, 2009, 22, 351-356.	1.3	39
22	Hydrogen sulfide reduces cell adhesion and relevant inflammatory triggering by preventing ADAM17â€dependent TNFâ€Î± activation. Journal of Cellular Biochemistry, 2013, 114, 1536-1548.	2.6	38
23	Plasma Protein Aspartyl Damage Is Increased in Hemodialysis Patients: Studies on Causes and Consequences. Journal of the American Society of Nephrology: JASN, 2004, 15, 2747-2754.	6.1	37
24	Divergent behavior of hydrogen sulfide pools and of the sulfur metabolite lanthionine, a novel uremic toxin, in dialysis patients. Biochimie, 2016, 126, 97-107.	2.6	37
25	Accumulation of altered aspartyl residues in erythrocyte proteins from patients with Down's syndrome. FEBS Journal, 2007, 274, 5263-5277.	4.7	35
26	Homocysteinylated Albumin Promotes Increased Monocyte-Endothelial Cell Adhesion and Up-Regulation of MCP1, Hsp60 and ADAM17. PLoS ONE, 2012, 7, e31388.	2.5	31
27	Impact of the Uremic Milieu on the Osteogenic Potential of Mesenchymal Stem Cells. PLoS ONE, 2015, 10, e0116468.	2.5	31
28	Renal phenotype in Bardet-Biedl syndrome: a combined defect of urinary concentration and dilution is associated with defective urinary AQP2 and UMOD excretion. American Journal of Physiology - Renal Physiology, 2016, 311, F686-F694.	2.7	27
29	Plasma proteins containing damaged L-isoaspartyl residues are increased in uremia: Implications for mechanism. Kidney International, 2001, 59, 2299-2308.	5.2	26
30	Homocysteine and transmethylations in uremia. Kidney International, 2001, 59, S230-S233.	5.2	24
31	Gases as Uremic Toxins: Is There Something in the Air?. Seminars in Nephrology, 2014, 34, 135-150.	1.6	24
32	Distinct C-terminal sequences of isozymes I and II of the human erythrocyte L-isoaspartyl/D-aspartyl protein methyltransferase. Biochemical and Biophysical Research Communications, 1991, 175, 351-358.	2.1	23
33	Cytoskeletal behaviour in spectrin and in band 3 deficient spherocytic red cells: evidence for a differentiated splenic conditioning role. British Journal of Haematology, 1996, 93, 38-41.	2.5	22
34	The Sulfur Metabolite Lanthionine: Evidence for a Role as a Novel Uremic Toxin. Toxins, 2017, 9, 26.	3.4	22
35	The role of the intestinal microbiota in uremic solute accumulation: a focus on sulfur compounds. Journal of Nephrology, 2019, 32, 733-740.	2.0	22
36	Homocysteine, a New Crucial Element in the Pathogenesis of Uremic Cardiovascular Complications. Mineral and Electrolyte Metabolism, 1999, 25, 95-99.	1.1	20

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37	Metabolic consequences of hyperhomocysteinemia in uremia. American Journal of Kidney Diseases, 2001, 38, S85-S90.	1.9	20
38	Impaired transmethylation potential in Parkinson's disease patients treated with l-Dopa. Neuroscience Letters, 2010, 468, 287-291.	2.1	20
39	Role of folic acid depletion on homocysteine serum level in children and adolescents with epilepsy and different MTHFR C677T genotypes. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 340-343.	2.0	20
40	Hyperhomocysteinemia and macromolecule modifications in uremic patients. Clinical Chemistry and Laboratory Medicine, 2005, 43, 1032-8.	2.3	18
41	Enzymatic methyl esterification of a deamidated form of mouse epidermal growth factor. International Journal of Peptide and Protein Research, 1989, 33, 397-402.	0.1	17
42	The MicroRNA 15a/16â€"1 Cluster Down-regulates Protein Repair Isoaspartyl Methyltransferase in Hepatoma Cells. Journal of Biological Chemistry, 2011, 286, 43690-43700.	3.4	17
43	ADAM17, a New Player in the Pathogenesis of Chronic Kidney Diseaseâ€"Mineral and Bone Disorder. , 2017, 27, 453-457.		17
44	Homocysteine and chronic kidney disease: an ongoing narrative. Journal of Nephrology, 2019, 32, 673-675.	2.0	17
45	Enzymatic methyl esterification of synthetic tripeptides: structural requirements of the peptide substrate. Detection of the reaction products by fast-atom-bombardment mass spectrometry. FEBS Journal, 1988, 177, 233-239.	0.2	17
46	Enzymatic basis for the calcium-induced decrease of membrane protein methyl esterification in intact erythrocytes. Evidence for an impairment of S-adenosylmethionine synthesis. FEBS Journal, 1986, 154, 489-495.	0.2	16
47	Hyperhomocysteinemia in Chronic Renal Failure: Alternative Therapeutic Strategies. , 2012, 22, 191-194.		16
48	DNA Methylation Dysfunction in Chronic Kidney Disease. Genes, 2020, 11, 811.	2.4	16
49	Increased Membrane-Protein Methylation in Hereditary Spherocytosis. A Marker of Cytoskeletal Disarray. FEBS Journal, 1995, 228, 894-898.	0.2	16
50	Hydrogen Sulfide, the Third Gaseous Signaling Molecule With Cardiovascular Properties, Is Decreased in Hemodialysis Patients. , 2010, 20, S11-S14.		15
51	Hydrogen Sulfide, a Toxic Gas with Cardiovascular Properties in Uremia: How Harmful Is It?. Blood Purification, 2011, 31, 102-106.	1.8	15
52	Therapy of Hyperhomocysteinemia in Hemodialysis Patients: Effects of Folates and N-Acetylcysteine. , 2012, 22, 507-514.e1.		14
53	Uremic Toxin Lanthionine Interferes with the Transsulfuration Pathway, Angiogenetic Signaling and Increases Intracellular Calcium. International Journal of Molecular Sciences, 2019, 20, 2269.	4.1	14
54	Atherosclerosis determinants in renal disease: how much is homocysteine involved?. Nephrology Dialysis Transplantation, 2016, 31, 860-863.	0.7	13

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55	Hyperhomocysteinemia and cardiovascular disease in uremia: The newest evidence in epidemiology and mechanisms of action. Seminars in Nephrology, 2004, 24, 426-430.	1.6	12
56	Influence of Osmotic Stress on Protein Methylation in Resealed Erythrocytes. FEBS Journal, 1997, 244, 918-922.	0.2	11
57	Altered folate receptor 2 expression in uraemic patients on haemodialysis: implications for folate resistance. Nephrology Dialysis Transplantation, 2013, 28, 1214-1224.	0.7	11
58	Zebrafish, a Novel Model System to Study Uremic Toxins: The Case for the Sulfur Amino Acid Lanthionine. International Journal of Molecular Sciences, 2018, 19, 1323.	4.1	11
59	Homocysteine in uremia. American Journal of Kidney Diseases, 2003, 41, S123-S126.	1.9	9
60	Plasma protein homocysteinylation in uremia. Clinical Chemistry and Laboratory Medicine, 2007, 45, 1678-82.	2.3	9
61	Human Erythrocyte D-Aspartyl/L-Isoaspartyl Methyltransferases: Enzymes that Recognize Age-Damaged Proteins. Advances in Experimental Medicine and Biology, 1991, 307, 263-276.	1.6	9
62	Enzymatic Detection of l-Isoaspartyl Residues in Food Proteins and the Protective Properties of Trehalose. Journal of Nutritional Biochemistry, 1997, 8, 535-540.	4.2	8
63	Toxic Effects of Hyperhomocysteinemia in Chronic Renal Failure and in Uremia: Cardiovascular and Metabolic Consequences. Seminars in Nephrology, 2006, 26, 20-23.	1.6	7
64	Lanthionine, a Novel Uremic Toxin, in the Vascular Calcification of Chronic Kidney Disease: The Role of Proinflammatory Cytokines. International Journal of Molecular Sciences, 2021, 22, 6875.	4.1	7
65	Mechanism of Protein Carboxyl Methyl Transfer Reactions: Structural Requirements of Methyl Accepting Substrates. , 1988, 231, 229-245.		7
66	miR-17 and -20a Target the Neuron-Derived Orphan Receptor-1 (NOR-1) in Vascular Endothelial Cells. PLoS ONE, 2015, 10, e0141932.	2.5	7
67	Hydrogen sulfide increases after a single hemodialysis session. Kidney International, 2011, 80, 1108-1109.	5.2	5
68	Lanthionine and Other Relevant Sulfur Amino Acid Metabolites: Detection of Prospective Uremic Toxins in Serum by Multiple Reaction Monitoring Tandem Mass Spectrometry. Methods in Molecular Biology, 2019, 2007, 9-17.	0.9	5
69	Hypotheses on the Physiological Role of Enzymatic Protein Methyl Esterification Using Human Erythrocytes as a Model System. Advances in Experimental Medicine and Biology, 1991, 307, 149-160.	1.6	5
70	Is Homocysteine Toxic in Uremia?. , 2008, 18, 12-17.		3
71	Novel Applications of Lead Acetate and Flow Cytometry Methods for Detection of Sulfur-Containing Molecules. Methods and Protocols, 2019, 2, 13.	2.0	3
72	Uremic Toxin Lanthionine Induces Endothelial Cell Mineralization In Vitro. Biomedicines, 2022, 10, 444.	3.2	3

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73	Hyperhomocysteinemia and the cardiovascular disease of uremia. Nutrition Research, 2004, 24, 839-849.	2.9	2
74	Homocysteine Solution-Induced Response in Aerosol Jet Printed OECTs by Means of Gold and Platinum Gate Electrodes. International Journal of Molecular Sciences, 2021, 22, 11507.	4.1	2
75	No effect of MTP polymorphisms on PNPLA3 in HCV-correlated steatosis. Infezioni in Medicina, 2018, 26, 244-248.	1.1	2
76	MTHFR C677T polymorphism and skin color: The white man's blackness. Kidney International, 2004, 65, 2444.	5.2	1
77	Increased Membrane-Protein Methylation in Hereditary Spherocytosis. A Marker of Cytoskeletal Disarray. FEBS Journal, 1995, 228, 894-898.	0.2	0
78	P0095MOLECULAR MECHANISMS OF THE CARDIOVASCULAR EFFECTS OF LANTHIONINE, A NEW UREMIC TOXIN, AND ITS INTERACTIONS WITH THE REDOX MICROENVIRONMENT. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0