Viviana Cavalca

List of Publications by Year
in descending order

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51 papers	1,590 citations	279487 23 h-index	301761 39 g-index
51 all docs	51 docs citations	51 times ranked	2853 citing authors

#	Article	IF	Citations
1	Apocynin prevents cyclooxygenase 2 expression in human monocytes through NADPH oxidase and glutathione redox-dependent mechanisms. Free Radical Biology and Medicine, 2004, 37, 156-165.	1.3	146
2	Oxidative Stress and Homocysteine in Coronary Artery Disease. Clinical Chemistry, 2001, 47, 887-892.	1.5	138
3	8-Hydroxy-2-Deoxyguanosine Levels and Cardiovascular Disease: A Systematic Review and Meta-Analysis of the Literature. Antioxidants and Redox Signaling, 2016, 24, 548-555.	2.5	125
4	Direct glutathione quantification in human blood by LCâ€“MS/MS: comparison with HPLC with electrochemical detection. Journal of Pharmaceutical and Biomedical Analysis, 2012, 71, 111-118.	1.4	79
5	Analysis, physiological and clinical significance of 12-HETE: A neglected platelet-derived 12-lipoxygenase product. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 964, 26-40.	1.2	74
6	A randomized double-blind trial of 3 aspirin regimens to optimize antiplatelet therapy in essential thrombocythemia. Blood, 2020, 136, 171-182.	0.6	65
7	Age- and gender-related oxidative status determined in healthy subjects by means of OXY-SCORE, a potential new comprehensive index. Biomarkers, 2006, 11, 562-573.	0.9	59
8	Isoprostanes and Oxidative Stress in Off-Pump and On-Pump Coronary Bypass Surgery. Annals of Thoracic Surgery, 2006, 81, 562-567.	0.7	58
9	Neurohormonal activation is associated with increased levels of plasma matrix metalloproteinase-2 in human heart failure. European Heart Journal, 2005, 26, 481-488.	1.0	56
10	Diversity and similarity in signaling events leading to rapid Cox-2 induction by tumor necrosis factor-? and phorbol ester in human endothelial cells. Cardiovascular Research, 2005, 65, 683-693.	1.8	52
11	In Vivo Platelet Activation and Aspirin Responsiveness in Type 1 Diabetes. Diabetes, 2016, 65, 503-509.	0.3	43
12	Nitric Oxide Synthetic Pathway in Red Blood Cells Is Impaired in Coronary Artery Disease. PLoS ONE, 2013, 8, e66945.	1.1	42
13	Simultaneous quantification of 8-iso-prostaglandin-F2Î± and 11-dehydro thromboxane B2 in human urine by liquid chromatographyâ€“tandem mass spectrometry. Analytical Biochemistry, 2010, 397, 168-174.	1.1	39
14	8-Hydroxy-2-deoxyguanosine levels and heart failure: A systematic review and meta-analysis of the literature. Nutrition, Metabolism and Cardiovascular Diseases, 2017, 27, 201-208.	1.1	38
15	Role of thromboxane-dependent platelet activation in venous thrombosis: Aspirin effects in mouse model. Pharmacological Research, 2016, 107, 415-425.	3.1	37
16	Obesity is associated with impaired responsiveness to onceâ€daily lowâ€dose aspirin and in vivo platelet activation. Journal of Thrombosis and Haemostasis, 2019, 17, 885-895.	1.9	37
17	Glutathione, vitamin E and oxidative stress in coronary artery disease: relevance of age and gender. European Journal of Clinical Investigation, 2009, 39, 267-272.	1.7	34
18	The Aspirin Regimens in Essential Thrombocythemia (ARES) phase II randomized trial design: Implementation of the serum thromboxane B2 assay as an evaluation tool of different aspirin dosing regimens in the clinical setting. Blood Cancer Journal, 2018, 8, 49.	2.8	30

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19	Activation of Nrf2/HO-1 Pathway and Human Atherosclerotic Plaque Vulnerability:an In Vitro and In Vivo Study. Cells, 2019, 8, 356.	1.8	30
20	Effects of smoking regular or light cigarettes on brachial artery flow-mediated dilation. Atherosclerosis, 2013, 228, 153-160.	0.4	29
21	Endothelial function improvement in patients with familial hypercholesterolemia receiving PCSK-9 inhibitors on top of maximally tolerated lipid lowering therapy. Thrombosis Research, 2020, 194, 229-236.	0.8	28
22	Anesthetic Propofol Enhances Plasma Î³-Tocopherol Levels in Patients Undergoing Cardiac Surgery. Anesthesiology, 2008, 108, 988-997.	1.3	28
23	Impact of Oxidative Stress and Protein S-Glutathionylation in Aortic Valve Sclerosis Patients with Overt Atherosclerosis. Journal of Clinical Medicine, 2019, 8, 552.	1.0	25
24	Liquid chromatographyâ€“tandem mass spectrometry for simultaneous measurement of thromboxane B2 and 12(S)-hydroxyeicosatetraenoic acid in serum. Journal of Pharmaceutical and Biomedical Analysis, 2014, 96, 256-262.	1.4	22
25	Oxidative stress and nitric oxide pathway in adult patients who are candidates for cardiac surgery: patterns and differences. Interactive Cardiovascular and Thoracic Surgery, 2013, 17, 923-930.	0.5	21
26	Assessment of oxidative stress in coronary artery bypass surgery: comparison between the global index OXY-SCORE and individual biomarkers. Biomarkers, 2009, 14, 465-472.	0.9	20
27	Circulating Levels of Dimethylarginines, Chronic Kidney Disease and Long-Term Clinical Outcome in Non-ST-Elevation Myocardial Infarction. PLoS ONE, 2012, 7, e48499.	1.1	20
28	In vivo prostacyclin biosynthesis and effects of different aspirin regimens in patients with essential thrombocythaemia. Thrombosis and Haemostasis, 2014, 112, 118-127.	1.8	19
29	OXY-SCORE: A Global Index to Improve Evaluation of Oxidative Stress by Combining Pro- and Antioxidant Markers. Methods in Molecular Biology, 2010, 594, 197-213.	0.4	18
30	Nitric Oxide Synthetic Pathway in Patients with Microvascular Angina and Its Relations with Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-9.	1.9	18
31	Quantification of arginine and its metabolites in human erythrocytes using liquid chromatographyâ€“tandem mass spectrometry. Analytical Biochemistry, 2011, 412, 108-110.	1.1	17
32	A new compound-specific pleiotropic effect of statins: Modification of plasma gamma-tocopherol levels. Atherosclerosis, 2007, 193, 229-233.	0.4	15
33	Patient-independent variables affecting the assessment of aspirin responsiveness by serum thromboxane measurement. Thrombosis and Haemostasis, 2016, 116, 891-896.	1.8	15
34	12(S)-Hydroxyeicosatetraenoic acid downregulates monocyte-derived macrophage efferocytosis: New insights in atherosclerosis. Pharmacological Research, 2019, 144, 336-342.	3.1	15
35	Genotype-independent in vivo oxidative stress following a methionine loading test: Maximal platelet activation in subjects with early-onset thrombosis. Thrombosis Research, 2011, 128, e43-e48.	0.8	14
36	The red blood cell: a new key player in cardiovascular homoeostasis? Focus on the nitric oxide pathway. Biochemical Society Transactions, 2014, 42, 996-1000.	1.6	12

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37	The Aminotetraline Derivative (Â±)-(R,S)-5,6-Dihydroxy-2-methylamino-1,2,3,4-tetrahydro-naphthalene Hydrochloride (CHF-1024) Displays Cardioprotection in Postischemic Ventricular Dysfunction of the Rat Heart. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 633-639.	1.3	8
38	Untargeted Metabolomics to Go beyond the Canonical Effect of Acetylsalicylic Acid. Journal of Clinical Medicine, 2020, 9, 51.	1.0	8
39	Urinary excretion of iPF2Î±-III predicts the risk of future thrombotic events. A 10-year follow-up. Thrombosis Research, 2012, 129, 208-211.	0.8	7
40	Persistent long-term platelet activation and endothelial perturbation in women with Takotsubo syndrome. Biomedicine and Pharmacotherapy, 2021, 136, 111259.	2.5	7
41	Surface-activated chemical ionization in the analysis of arginine in plasma samples. Rapid Communications in Mass Spectrometry, 2005, 19, 1231-1236.	0.7	6
42	Cytoskeletal architecture regulates cyclooxygenaseâ€2 in human endothelial cells: Autocrine modulation by prostacyclin. Journal of Cellular Physiology, 2012, 227, 3847-3856.	2.0	6
43	Assessing Free-Radical-Mediated DNA Damage during Cardiac Surgery: 8-Oxo-7,8-dihydro-2â€²-deoxyguanosine as a Putative Biomarker. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-8.	1.9	6
44	Association of Platelet Thromboxane Inhibition by Lowâ€Dose Aspirin With Platelet Count and Cytoreductive Therapy in Essential Thrombocythemia. Clinical Pharmacology and Therapeutics, 2022, 111, 939-949.	2.3	6
45	Characterization of aspirin esterase activity in health and disease: In vitro and ex vivo studies. Biochemical Pharmacology, 2019, 163, 119-127.	2.0	5
46	Does Fluoroscopy Induce DNA Oxidative Damage in Patients Undergoing Catheter Ablation?. Antioxidants and Redox Signaling, 2018, 28, 1137-1143.	2.5	4
47	Endothelial Dysfunction in Patients with Severe Mitral Regurgitation. Journal of Clinical Medicine, 2019, 8, 835.	1.0	3
48	Cardiac arrhythmia catheter ablation procedures guided by x-ray imaging: N-acetylcysteine protection against radiation-induced cellular damage (CARAPACE study): study design. Journal of Interventional Cardiac Electrophysiology, 2021, 61, 577-582.	0.6	3
49	Relationship Between Plasma Osteopontin and Arginine Pathway Metabolites in Patients With Overt Coronary Artery Disease. Frontiers in Physiology, 2020, 11, 982.	1.3	2
50	Oxidative Stress and Arginine/Nitric Oxide Pathway in Red Blood Cells Derived from Patients with Prediabetes. Biomedicines, 2022, 10, 1407.	1.4	1
51	An Optimized MRM-Based Workflow of the l-Arginine/Nitric Oxide Pathway Metabolites Revealed Disease- and Sex-Related Differences in the Cardiovascular Field. International Journal of Molecular Sciences, 2022, 23, 1136.	1.8	0