

# Viviana Cavalca

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

1,207  
citations

20  
h-index

34  
g-index

51  
ext. papers

1,399  
ext. citations

5.2  
avg, IF

3.78  
L-index

#	Paper	IF	Citations
48	Apocynin prevents cyclooxygenase 2 expression in human monocytes through NADPH oxidase and glutathione redox-dependent mechanisms. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 37, 156-65	7.8	127
47	Oxidative Stress and Homocysteine in Coronary Artery Disease. <i>Clinical Chemistry</i> , <b>2001</b> , 47, 887-892	5.5	115
46	8-Hydroxy-2-Deoxyguanosine Levels and Cardiovascular Disease: A Systematic Review and Meta-Analysis of the Literature. <i>Antioxidants and Redox Signaling</i> , <b>2016</b> , 24, 548-55	8.4	84
45	Direct glutathione quantification in human blood by LC-MS/MS: comparison with HPLC with electrochemical detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 71, 111-8	3.5	66
44	Analysis, physiological and clinical significance of 12-HETE: a neglected platelet-derived 12-lipoxygenase product. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 964, 26-40	3.2	59
43	Isoprostanes and oxidative stress in off-pump and on-pump coronary bypass surgery. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 81, 562-7	2.7	50
42	Age- and gender-related oxidative status determined in healthy subjects by means of OXY-SCORE, a potential new comprehensive index. <i>Biomarkers</i> , <b>2006</b> , 11, 562-73	2.6	48
41	Neurohormonal activation is associated with increased levels of plasma matrix metalloproteinase-2 in human heart failure. <i>European Heart Journal</i> , <b>2005</b> , 26, 481-8	9.5	47
40	Diversity and similarity in signaling events leading to rapid Cox-2 induction by tumor necrosis factor-alpha and phorbol ester in human endothelial cells. <i>Cardiovascular Research</i> , <b>2005</b> , 65, 683-93	9.9	44
39	In Vivo Platelet Activation and Aspirin Responsiveness in Type 1 Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 503-9	0.9	33
38	A randomized double-blind trial of 3 aspirin regimens to optimize antiplatelet therapy in essential thrombocythemia. <i>Blood</i> , <b>2020</b> , 136, 171-182	2.2	33
37	Glutathione, vitamin E and oxidative stress in coronary artery disease: relevance of age and gender. <i>European Journal of Clinical Investigation</i> , <b>2009</b> , 39, 267-72	4.6	32
36	Simultaneous quantification of 8-iso-prostaglandin-F(2alpha) and 11-dehydro thromboxane B(2) in human urine by liquid chromatography-tandem mass spectrometry. <i>Analytical Biochemistry</i> , <b>2010</b> , 397, 168-74	3.1	32
35	Nitric oxide synthetic pathway in red blood cells is impaired in coronary artery disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e66945	3.7	31
34	Role of thromboxane-dependent platelet activation in venous thrombosis: Aspirin effects in mouse model. <i>Pharmacological Research</i> , <b>2016</b> , 107, 415-425	10.2	29
33	Effects of smoking regular or light cigarettes on brachial artery flow-mediated dilation. <i>Atherosclerosis</i> , <b>2013</b> , 228, 153-60	3.1	27
32	8-Hydroxy-2-deoxyguanosine levels and heart failure: A systematic review and meta-analysis of the literature. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2017</b> , 27, 201-208	4.5	26

31	Obesity is associated with impaired responsiveness to once-daily low-dose aspirin and in vivo platelet activation. <i>Journal of Thrombosis and Haemostasis</i> , <b>2019</b> , 17, 885-895	15.4	23
30	Anesthetic propofol enhances plasma gamma-tocopherol levels in patients undergoing cardiac surgery. <i>Anesthesiology</i> , <b>2008</b> , 108, 988-97	4.3	23
29	The Aspirin Regimens in Essential Thrombocythemia (ARES) phase II randomized trial design: Implementation of the serum thromboxane B assay as an evaluation tool of different aspirin dosing regimens in the clinical setting. <i>Blood Cancer Journal</i> , <b>2018</b> , 8, 49	7	21
28	Liquid chromatography-tandem mass spectrometry for simultaneous measurement of thromboxane B2 and 12(S)-hydroxyeicosatetraenoic acid in serum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 96, 256-62	3.5	19
27	Circulating levels of dimethylarginines, chronic kidney disease and long-term clinical outcome in non-ST-elevation myocardial infarction. <i>PLoS ONE</i> , <b>2012</b> , 7, e48499	3.7	19
26	Oxidative stress and nitric oxide pathway in adult patients who are candidates for cardiac surgery: patterns and differences. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2013</b> , 17, 923-30	1.8	18
25	In vivo prostacyclin biosynthesis and effects of different aspirin regimens in patients with essential thrombocythaemia. <i>Thrombosis and Haemostasis</i> , <b>2014</b> , 112, 118-27	7	15
24	OXY-SCORE: a global index to improve evaluation of oxidative stress by combining pro- and antioxidant markers. <i>Methods in Molecular Biology</i> , <b>2010</b> , 594, 197-213	1.4	14
23	Assessment of oxidative stress in coronary artery bypass surgery: comparison between the global index OXY-SCORE and individual biomarkers. <i>Biomarkers</i> , <b>2009</b> , 14, 465-72	2.6	14
22	Activation of Nrf2/HO-1 Pathway and Human Atherosclerotic Plaque Vulnerability:an In Vitro and In Vivo Study. <i>Cells</i> , <b>2019</b> , 8,	7.9	13
21	Nitric oxide synthetic pathway in patients with microvascular angina and its relations with oxidative stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2014</b> , 2014, 726539	6.7	13
20	Genotype-independent in vivo oxidative stress following a methionine loading test: maximal platelet activation in subjects with early-onset thrombosis. <i>Thrombosis Research</i> , <b>2011</b> , 128, e43-8	8.2	13
19	Endothelial function improvement in patients with familial hypercholesterolemia receiving PCSK-9 inhibitors on top of maximally tolerated lipid lowering therapy. <i>Thrombosis Research</i> , <b>2020</b> , 194, 229-236	8.2	13
18	Quantification of arginine and its metabolites in human erythrocytes using liquid chromatography-tandem mass spectrometry. <i>Analytical Biochemistry</i> , <b>2011</b> , 412, 108-10	3.1	12
17	A new compound-specific pleiotropic effect of statins: modification of plasma gamma-tocopherol levels. <i>Atherosclerosis</i> , <b>2007</b> , 193, 229-33	3.1	12
16	Impact of Oxidative Stress and Protein S-Glutathionylation in Aortic Valve Sclerosis Patients with Overt Atherosclerosis. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	11
15	12(S)-Hydroxyeicosatetraenoic acid downregulates monocyte-derived macrophage efferocytosis: New insights in atherosclerosis. <i>Pharmacological Research</i> , <b>2019</b> , 144, 336-342	10.2	11
14	Patient-independent variables affecting the assessment of aspirin responsiveness by serum thromboxane measurement. <i>Thrombosis and Haemostasis</i> , <b>2016</b> , 116, 891-896	7	11

13	The red blood cell: a new key player in cardiovascular homeostasis? Focus on the nitric oxide pathway. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 996-1000	5.1	10
12	Urinary excretion of iPF(2)III predicts the risk of future thrombotic events. A 10-year follow-up. <i>Thrombosis Research</i> , <b>2012</b> , 129, 208-11	8.2	6
11	The aminotetraline derivative (+/-)-(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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 307, 633-9	4.7	6
10	Cytoskeletal architecture regulates cyclooxygenase-2 in human endothelial cells: autocrine modulation by prostacyclin. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 3847-56	7	5
9	Surface-activated chemical ionization in the analysis of arginine in plasma samples. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 1231-6	2.2	5
8	Characterization of aspirin esterase activity in health and disease: In vitro and ex vivo studies. <i>Biochemical Pharmacology</i> , <b>2019</b> , 163, 119-127	6	3
7	Assessing Free-Radical-Mediated DNA Damage during Cardiac Surgery: 8-Oxo-7,8-dihydro-2-Deoxyguanosine as a Putative Biomarker. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 9715898	6.7	3
6	Untargeted Metabolomics to Go beyond the Canonical Effect of Acetylsalicylic Acid. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 9,	5.1	3
5	Endothelial Dysfunction in Patients with Severe Mitral Regurgitation. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	2
4	Does Fluoroscopy Induce DNA Oxidative Damage in Patients Undergoing Catheter Ablation?. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 28, 1137-1143	8.4	2
3	Cardiac arrhythmia catheter ablation procedures guided by x-ray imaging: N-acetylcysteine protection against radiation-induced cellular damage (CARAPACE study): study design. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2021</b> , 61, 577-582	2.4	2
2	Persistent long-term platelet activation and endothelial perturbation in women with Takotsubo syndrome. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 136, 111259	7.5	2
1	Relationship Between Plasma Osteopontin and Arginine Pathway Metabolites in Patients With Overt Coronary Artery Disease. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 982	4.6	0