Carlo Vascotto

List of Publications by Citations

45 papers	1,779 citations	26 h-index	42 g-index
51 ext. papers	2,017 ext. citations	5.4 avg, IF	4.19 L-index

#	Paper	IF	Citations
45	APE1/Ref-1 interacts with NPM1 within nucleoli and plays a role in the rRNA quality control process. *Molecular and Cellular Biology*, **2009**, 29, 1834-54	4.8	169
44	The neutrophil gelatinase-associated lipocalin (NGAL), a NF-kappaB-regulated gene, is a survival factor for thyroid neoplastic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 14058-63	11.5	154
43	The importance of redox state in liver damage. *Annals of Hepatology*, **2004**, 3, 86-92	3.1	139
42	Critical lysine residues within the overlooked N-terminal domain of human APE1 regulate its biological functions. *Nucleic Acids Research*, **2010**, 38, 8239-56	20.1	83
41	Genome-wide analysis and proteomic studies reveal APE1/Ref-1 multifunctional role in mammalian cells. *Proteomics*, **2009**, 9, 1058-74	4.8	79
40	Nucleolar accumulation of APE1 depends on charged lysine residues that undergo acetylation upon genotoxic stress and modulate its BER activity in cells. *Molecular Biology of the Cell*, **2012**, 23, 4079-96	3.5	73
39	SIRT1 gene expression upon genotoxic damage is regulated by APE1 through nCaRE-promoter elements. *Molecular Biology of the Cell*, **2014**, 25, 532-47	3.5	61
38	Oxidized transthyretin in amniotic fluid as an early marker of preeclampsia. *Journal of Proteome Research*, **2007**, 6, 160-70	5.6	60
37	Overoxidation of peroxiredoxins as an immediate and sensitive marker of oxidative stress in HepG2 cells and its application to the redox effects induced by ischemia/reperfusion in human liver. *Free Radical Research*, **2005**, 39, 255-68	4	54
36	Ex vivo molecular rejuvenation improves the therapeutic activity of senescent human cardiac stem cells in a mouse model of myocardial infarction. *Stem Cells*, **2014**, 32, 2373-85	5.8	52
35	Knock-in reconstitution studies reveal an unexpected role of Cys-65 in regulating APE1/Ref-1 subcellular trafficking and function. *Molecular Biology of the Cell*, **2011**, 22, 3887-901	3.5	50
34	Proteomic analysis of liver tissues subjected to early ischemia/reperfusion injury during human orthotopic liver transplantation. *Proteomics*, **2006**, 6, 3455-65	4.8	49
33	Inhibitors of the apurinic/apyrimidinic endonuclease 1 (APE1)/nucleophosmin (NPM1) interaction that display anti-tumor properties. *Molecular Carcinogenesis*, **2016**, 55, 688-704	5	48
32	APE1/Ref-1 regulates PTEN expression mediated by Egr-1. *Free Radical Research*, **2008**, 42, 20-9	4	47
31	The importance of redox state in liver damage. *Annals of Hepatology*, **2004**, 3, 86-92	3.1	44
30	Mitochondrial translocation of APE1 relies on the MIA pathway. *Nucleic Acids Research*, **2015**, 43, 5451-64	10.1	42
29	Alterations in the redox state and liver damage: hints from the EASL Basic School of Hepatology. *Journal of Hepatology*, **2013**, 58, 365-74	13.4	40

28	Functional regulation of the apurinic/apyrimidinic endonuclease 1 by nucleophosmin: impact on tumor biology. *Oncogene*, **2014**, 33, 2876-87	9.2	39
27	Bilirubin-induced cell toxicity involves PTEN activation through an APE1/Ref-1-dependent pathway. *Journal of Molecular Medicine*, **2007**, 85, 1099-112	5.5	38
26	Specific inhibition of the redox activity of ape1/ref-1 by e3330 blocks tnf-□nduced activation of IL-8 production in liver cancer cell lines. *PLoS ONE*, **2013**, 8, e70909	3.7	36
25	Transcription, Processing, and Decay of Mitochondrial RNA in Health and Disease. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	34
24	Activation of human T lymphocytes under conditions similar to those that occur during exposure to microgravity: a proteomics study. *Proteomics*, **2005**, 5, 1827-37	4.8	34
23	Role of the unstructured N-terminal domain of the hAPE1 (human apurinic/apyrimidinic endonuclease 1) in the modulation of its interaction with nucleic acids and NPM1 (nucleophosmin). *Biochemical Journal*, **2013**, 452, 545-57	3.8	31
22	Human AP endonuclease/redox factor APE1/ref-1 modulates mitochondrial function after oxidative stress by regulating the transcriptional activity of NRF1. *Free Radical Biology and Medicine* , **2012**, 53, 237-48	7.8	29
21	RbAp48 is a target of nuclear factor-kappaB activity in thyroid cancer. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 1458-66	5.6	29
20	Expression and prognostic significance of APE1/Ref-1 and NPM1 proteins in high-grade ovarian serous cancer. *American Journal of Clinical Pathology*, **2014**, 141, 404-14	1.9	27
19	The redox function of APE1 is involved in the differentiation process of stem cells toward a neuronal cell fate. *PLoS ONE*, **2014**, 9, e89232	3.7	25
18	Impairment of enzymatic antioxidant defenses is associated with bilirubin-induced neuronal cell death in the cerebellum of Ugt1 KO mice. *Cell Death and Disease*, **2015**, 6, e1739	9.8	21
17	Redox proteomics and immunohistology to study molecular events during ischemia-reperfusion in human liver. *Transplantation Proceedings*, **2007**, 39, 1755-60	1.1	21
16	Transcriptional Up-Regulation of APE1/Ref-1 in Hepatic Tumor: Role in Hepatocytes Resistance to Oxidative Stress and Apoptosis. *PLoS ONE*, **2015**, 10, e0143289	3.7	19
15	The solution structure of DNA-free Pax-8 paired box domain accounts for redox regulation of transcriptional activity in the pax protein family. *Journal of Biological Chemistry*, **2008**, 283, 33321-8	5.4	18
14	Role of mutual interactions in the chemical and thermal stability of nucleophosmin NPM1 domains. *Biochemical and Biophysical Research Communications*, **2013**, 430, 523-8	3.4	17
13	Nucleotide receptors stimulation by extracellular ATP controls Hsp90 expression through APE1/Ref-1 in thyroid cancer cells: a novel tumorigenic pathway. *Journal of Cellular Physiology*, **2006**, 209, 44-55	7	17
12	Differential proteomic analysis of nuclear extracts from thyroid cell lines. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2006**, 833, 41-50	3.2	16
11	Autophagy and Inflammasome Activation in Dilated Cardiomyopathy. *Journal of Clinical Medicine*, **2019**, 8,	5.1	14

10	Identification of tumorigenesis-related mRNAs associated with RNA-binding protein HuR in thyroid cancer cells. *Oncotarget*, **2016**, 7, 63388-63407	3.3	14
9	Osteoblastic cell secretome: a novel role for progranulin during risedronate treatment. *Bone*, **2014**, 58, 81-91	4.7	11
8	Combining RNAi and in vivo confocal microscopy analysis of the photoconvertible fluorescent protein Dendra2 to study a DNA repair protein. *BioTechniques*, **2013**, 55, 198-203	2.5	6
7	Blockade of Base Excision Repair **2012**, 29-53		5
6	Mitochondrial apurinic/apyrimidinic endonuclease 1 enhances mtDNA repair contributing to cell proliferation and mitochondrial integrity in early stages of hepatocellular carcinoma. *BMC Cancer*, **2020**, 20, 969	4.8	5
5	Mitochondrial Oxidative Stress Induces Rapid Intermembrane Space/Matrix Translocation of Apurinic/Apyrimidinic Endonuclease 1 Protein through TIM23 Complex. *Journal of Molecular Biology* , **2020**, 432, 166713	6.5	5
4	[Letter to the Editor] Isolation of mitochondria is necessary for precise quantification of mitochondrial DNA damage in human carcinoma samples. *BioTechniques*, **2017**, 62, 13-17	2.5	3
3	DNA Repair Protein APE1 Degrades Dysfunctional Abasic mRNA in Mitochondria Affecting Oxidative Phosphorylation. *Journal of Molecular Biology*, **2021**, 433, 167125	6.5	3
2	Oxidative Stress, Antioxidant Defenses, and the Liver. *Oxidative Stress in Applied Basic Research and Clinical Practice*, **2015**, 41-64		1
1	AGE-TXNIP axis drives inflammation in Alzheimer's by targeting A to mitochondria in microglia.. *Cell Death and Disease*, **2022**, 13, 302	9.8	1