

# Roberta Pastorelli

## List of Publications by Year in descending order

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70  
papers

1,998  
citations

218677

26  
h-index

276875

41  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3197  
citing authors

#	ARTICLE	IF	CITATIONS
1	CYP1A1 T3801 C polymorphism and lung cancer: A pooled analysis of 2,451 cases and 3,358 controls. <i>International Journal of Cancer</i> , 2003, 104, 650-657.	5.1	140
2	Mortality prediction in patients with severe septic shock: a pilot study using a target metabolomics approach. <i>Scientific Reports</i> , 2016, 6, 20391.	3.3	126
3	Capturing the metabolomic diversity of KRAS mutants in non-small-cell lung cancer cells. <i>Oncotarget</i> , 2014, 5, 4722-4731.	1.8	80
4	Combination of PI3K/mTOR Inhibitors: Antitumor Activity and Molecular Correlates. <i>Cancer Research</i> , 2011, 71, 4573-4584.	0.9	68
5	Inhibition of the Hexosamine Biosynthetic Pathway by targeting PGM3 causes breast cancer growth arrest and apoptosis. <i>Cell Death and Disease</i> , 2018, 9, 377.	6.3	68
6	Protection of Brain Injury by Amniotic Mesenchymal Stromal Cell-Secreted Metabolites. <i>Critical Care Medicine</i> , 2016, 44, e1118-e1131.	0.9	66
7	Effect of dna repair gene polymorphisms on BPDE-DNA adducts in human lymphocytes. <i>International Journal of Cancer</i> , 2002, 100, 9-13.	5.1	65
8	Characterization of a metabolomic profile associated with responsiveness to therapy in the acute phase of septic shock. <i>Scientific Reports</i> , 2017, 7, 9748.	3.3	59
9	The determination of urinary 3-methyladenine by immunoaffinity chromatography-monoclonal antibody-based ELISA: use in human biomonitoring studies. <i>Carcinogenesis</i> , 1990, 11, 1747-1751.	2.8	58
10	Differential Expression Profiling of the Hepatic Proteome in a Rat Model of Dioxin Resistance. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 882-894.	3.8	55
11	Whole-blood global DNA methylation is increased in amyotrophic lateral sclerosis independently of age of onset. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 98-105.	1.7	54
12	CYP1A1, GSTM1 and GSTT1 polymorphisms and lung cancer: a pooled analysis of gene-gene interactions. <i>Biomarkers</i> , 2004, 9, 298-305.	1.9	53
13	Hemoglobin adducts of benzo[a]pyrene diolepoxide in newspaper vendors: association with traffic exhaust. <i>Carcinogenesis</i> , 1996, 17, 2389-2394.	2.8	51
14	Benzo[a]pyrene diol epoxide adduct formation in mouse and human hemoglobin: physicochemical basis for dosimetry. <i>Chemical Research in Toxicology</i> , 1990, 3, 111-117.	3.3	46
15	Genetic polymorphisms and modulation of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)-DNA adducts in human lymphocytes. <i>International Journal of Cancer</i> , 2003, 107, 878-884.	5.1	45
16	Genetic Determinants of Alcohol Addiction and Metabolism: A Survey in Italy. <i>Alcoholism: Clinical and Experimental Research</i> , 2001, 25, 221-227.	2.4	41
17	Immunomodulatory Effects of Occupational Exposure to Mancozeb. <i>Archives of Environmental Health</i> , 1996, 51, 445-451.	0.4	40
18	Effects of cigarette smoking on the human urinary proteome. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 397-402.	2.1	40

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19	Origin of the tetrahydrotetraols derived from human hemoglobin adducts of benzo[a]pyrene. <i>Chemical Research in Toxicology</i> , 1989, 2, 280-281.	3.3	39
20	Proteome analysis for the identification of in vivo estrogen-regulated proteins in bone. <i>Proteomics</i> , 2005, 5, 4936-4945.	2.2	39
21	Dioxin-Sensitive Proteins in Differentiating Osteoblasts: Effects on Bone Formation In Vitro. <i>Toxicological Sciences</i> , 2009, 108, 330-343.	3.1	36
22	Early kynurenine pathway activation following cardiac arrest in rats, pigs, and humans. <i>Resuscitation</i> , 2013, 84, 1604-1610.	3.0	35
23	Overcoming platinum-acquired resistance in ovarian cancer patient-derived xenografts. <i>Therapeutic Advances in Medical Oncology</i> , 2019, 11, 175883591983954.	3.2	35
24	Aromatic DNA adducts in lymphocytes of humans working at high and low traffic density areas. <i>Chemico-Biological Interactions</i> , 1996, 101, 127-136.	4.0	29
25	Comparative metabolomics profiling of isogenic KRAS wild type and mutant NSCLC cells in vitro and in vivo. <i>Scientific Reports</i> , 2016, 6, 28398.	3.3	29
26	Insight into the neuroproteomics effects of the food-contaminant non-dioxin like polychlorinated biphenyls. <i>Journal of Proteomics</i> , 2012, 75, 2417-2430.	2.4	28
27	An Innovative Approach for The Integration of Proteomics and Metabolomics Data In Severe Septic Shock Patients Stratified for Mortality. <i>Scientific Reports</i> , 2018, 8, 6681.	3.3	28
28	Supplementation with Qter <sup>®</sup> and Creatine improves functional performance in COPD patients on long term oxygen therapy. <i>Respiratory Medicine</i> , 2018, 142, 86-93.	2.9	28
29	Co-occurring KRAS mutation/LKB1 loss in non-small cell lung cancer cells results in enhanced metabolic activity susceptible to caloric restriction: an in vitro integrated multilevel approach. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 302.	8.6	27
30	Rapid automated diagnosis of primary hepatic tumour by mass spectrometry and artificial intelligence. <i>Liver International</i> , 2020, 40, 3117-3124.	3.9	27
31	Severe intoxication after phenytoin infusion: A preventable pharmacogenetic adverse reaction. <i>Neurology</i> , 2003, 60, 1395-1396.	1.1	24
32	Proteomic analysis of mouse brain cortex identifies metabolic downregulation as a general feature of ischemic preconditioning. <i>Journal of Neurochemistry</i> , 2012, 122, 1219-1229.	3.9	22
33	Fluoranthene metabolism: human and rat liver microsomes display different stereoselective formation of the trans-2,3-dihydrodiol. <i>Chemical Research in Toxicology</i> , 1992, 5, 779-786.	3.3	21
34	Different metabolic responses to PI3K inhibition in NSCLC cells harboring wild-type and G12C mutant KRAS. <i>Oncotarget</i> , 2016, 7, 51462-51472.	1.8	21
35	ShockOmics: multiscale approach to the identification of molecular biomarkers in acute heart failure induced by shock. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2016, 24, 9.	2.6	20
36	Glutaminase Inhibition on NSCLC Depends on Extracellular Alanine Exploitation. <i>Cells</i> , 2020, 9, 1766.	4.1	19

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37	Decoding distinctive features of plasma extracellular vesicles in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2021, 16, 52.	10.8	19
38	3,4 Dichloroaniline-haemoglobin adducts in humans: preliminary data on agricultural workers exposed to propanil. <i>Biomarkers</i> , 1998, 3, 227-233.	1.9	18
39	Current and Emerging Technologies for Probing Molecular Signatures of Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2017, 8, 450.	2.4	18
40	S100A3 a partner protein regulating the stability/activity of RAR $\beta$ and PML-RAR $\beta$ in cellular models of breast/lung cancer and acute myeloid leukemia. <i>Oncogene</i> , 2019, 38, 2482-2500.	5.9	18
41	The anti-leukemic activity of sodium dichloroacetate in p53mutated/null cells is mediated by a p53-independent ILF3/p21 pathway. <i>Oncotarget</i> , 2015, 6, 2385-2396.	1.8	16
42	Primary DNA damage and genetic polymorphisms for CYP1A1, EPHX and GSTM1 in workers at a graphite electrode manufacturing plant. <i>BMC Public Health</i> , 2007, 7, 270.	2.9	15
43	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. <i>Scientific Reports</i> , 2016, 6, 30343.	3.3	15
44	The Systemic Alterations of Lipids, Alanine-Glucose Cycle and Inter-Organ Amino Acid Metabolism in Swine Model Confirms the Role of Liver in Early Phase of Septic Shock. <i>Frontiers in Physiology</i> , 2019, 10, 11.	2.8	15
45	Kinetics of 3-tert-butyl-4-hydroxyanisole (BHA) in man. <i>Food and Chemical Toxicology</i> , 1984, 22, 901-904.	3.6	14
46	Gas chromatography-mass spectrometry determination of ethylenethiourea hemoglobin adducts: a possible indicator of exposure to ethylene bis dithiocarbamate pesticides. <i>Archives of Toxicology</i> , 1995, 69, 306-311.	4.2	14
47	Cerebellum Proteomics Addressing the Cognitive Deficit of Rats Perinatally Exposed to the Food-Relevant Polychlorinated Biphenyl 138. <i>Toxicological Sciences</i> , 2011, 123, 170-179.	3.1	14
48	A combination of untargeted and targeted metabolomics approaches unveils changes in the kynurenine pathway following cardiopulmonary resuscitation. <i>Metabolomics</i> , 2013, 9, 839-852.	3.0	13
49	A Nanostructured Matrices Assessment to Study Drug Distribution in Solid Tumor Tissues by Mass Spectrometry Imaging. <i>Nanomaterials</i> , 2017, 7, 71.	4.1	13
50	Studies on the tetrachlorodibenzo-p-dioxins (TCDD) and tetrachlorodibenzofurans (TCDF) emitted from an urban incinerator. <i>Chemosphere</i> , 1986, 15, 557-561.	8.2	12
51	Benzo(a)pyrene diolepoxide-haemoglobin and albumin adducts at low levels of benzo(a)pyrene exposure. <i>Biomarkers</i> , 2000, 5, 245-251.	1.9	12
52	Plasmatic Hippuric Acid as a Hallmark of Frailty in an Italian Cohort: The Mediation Effect of Fruit and Vegetable Intake. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 2081-2089.	3.6	12
53	Benzo(a)pyrene diolepoxide adducts to albumin in workers exposed to polycyclic aromatic hydrocarbons: association with specific CYP1A1, GSTM1, GSTP1 and EHPX genotypes. <i>Biomarkers</i> , 2001, 6, 357-374.	1.9	11
54	Blood pressure variability, heart functionality, and left ventricular tissue alterations in a protocol of severe hemorrhagic shock and resuscitation. <i>Journal of Applied Physiology</i> , 2018, 125, 1011-1020.	2.5	10

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55	The genomic and proteomic blueprint of mouse megakaryocytes derived from embryonic stem cells. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 907-915.	3.8	9
56	Multi-omic analysis unveils biological pathways in peripheral immune system associated to minimal hepatic encephalopathy appearance in cirrhotic patients. <i>Scientific Reports</i> , 2021, 11, 1907.	3.3	9
57	Plasma amino acids patterns and age of onset of amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 371-375.	1.7	8
58	Effect of butylated hydroxyanisole added in vitro or administered to rats on N,N-dibutyl nitrosamine and N-butyl-N-(4-hydroxybutyl) nitrosamine metabolism by post-mitochondrial supernatant of liver homogenates. <i>Toxicology</i> , 1988, 48, 71-80.	4.2	7
59	Simultaneous immunoaffinity purification of O6-methyl, O6-ethyl-, O6-propyl- and O6-butylguanine and their analysis by gas chromatography/mass spectrometry. <i>Carcinogenesis</i> , 1995, 16, 2247-2250.	2.8	7
60	Carcinogen-DNA Adducts as Tools in Risk Assessment. <i>Advances in Experimental Medicine and Biology</i> , 1999, 472, 231-240.	1.6	7
61	Enzyme polymorphisms influencing the metabolism of heterocyclic aromatic amines. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 802, 175-181.	2.3	6
62	Proteome characterization of a human urothelial cell line resistant to the bladder carcinogen 4-aminobiphenyl. <i>Proteome Science</i> , 2007, 5, 6.	1.7	6
63	Exploratory investigation on nitro- and phospho-proteome cerebellum changes in hyperammonemia and hepatic encephalopathy rat models. <i>Metabolic Brain Disease</i> , 2012, 27, 37-49.	2.9	4
64	Persistent hyperammonia and altered concentrations of urea cycle metabolites in a 5-day swine experiment of sepsis. <i>Scientific Reports</i> , 2021, 11, 18430.	3.3	4
65	Effect of butylated hydroxyanisole on in vitro and in vivo nitrosation of dibutylamine. <i>Toxicology</i> , 1987, 43, 217-225.	4.2	3
66	Application of an Exploratory Knowledge-Discovery Pipeline Based on Machine Learning to Multi-Scale OMICS Data to Characterise Myocardial Injury in a Cohort of Patients with Septic Shock: An Observational Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 4354.	2.4	3
67	Effect of acute and chronic butylated hydroxyanisole administration on in vivo glucuronidation of N-nitrosobutyl(4-hydroxybutyl)amine in rats. <i>Food and Chemical Toxicology</i> , 1988, 26, 419-423.	3.6	2
68	Metabolite analysis in sepsis through conditional independence maps. , 2015, 2015, 6477-80.		1
69	Mitochondrial structural alterations in ovarian cancer patient-derived xenografts resistant to cisplatin. <i>American Journal of Cancer Research</i> , 2021, 11, 2303-2311.	1.4	1
70	Metabolites Concentration in Plasma and Heart Tissue in Relation to High Sensitive Cardiac Troponin T Level in Septic Shock Pigs. <i>Metabolites</i> , 2022, 12, 319.	2.9	0