Roberta Pastorelli

List of Publications by Year
in descending order

70	1,998	218677	276875
papers	citations	26 h-index	41 g-index

71	71	71	3197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolites Concentration in Plasma and Heart Tissue in Relation to High Sensitive Cardiac Troponin T Level in Septic Shock Pigs. Metabolites, 2022, 12, 319.	2.9	0
2	Multi-omic analysis unveils biological pathways in peripheral immune system associated to minimal hepatic encephalopathy appearance in cirrhotic patients. Scientific Reports, 2021, 11, 1907.	3.3	9
3	Decoding distinctive features of plasma extracellular vesicles in amyotrophic lateral sclerosis. Molecular Neurodegeneration, 2021, 16, 52.	10.8	19
4	Plasmatic Hippuric Acid as a Hallmark of Frailty in an Italian Cohort: The Mediation Effect of Fruitâ€“Vegetable Intake. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 2081-2089.	3.6	12
5	Persistent hyperammonia and altered concentrations of urea cycle metabolites in a 5-day swine experiment of sepsis. Scientific Reports, 2021, 11, 18430.	3.3	4
6	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. Journal of Clinical Medicine, 2021, 10, 4354.	2.4	3
7	Mitochondrial structural alterations in ovarian cancer patient-derived xenografts resistant to cisplatin. American Journal of Cancer Research, 2021, 11, 2303-2311.	1.4	1
8	Rapid automated diagnosis of primary hepatic tumour by mass spectrometry and artificial intelligence. Liver International, 2020, 40, 3117-3124.	3.9	27
9	Glutaminase Inhibition on NSCLC Depends on Extracellular Alanine Exploitation. Cells, 2020, 9, 1766.	4.1	19
10	Overcoming platinum-acquired resistance in ovarian cancer patient-derived xenografts. Therapeutic Advances in Medical Oncology, 2019, 11, 175883591983954.	3.2	35
11	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. Frontiers in Physiology, 2019, 10, 11.	2.8	15
12	S100A3 a partner protein regulating the stability/activity of RARÎ± and PML-RARÎ± in cellular models of breast/lung cancer and acute myeloid leukemia. Oncogene, 2019, 38, 2482-2500.	5.9	18
13	An Innovative Approach for The Integration of Proteomics and Metabolomics Data In Severe Septic Shock Patients Stratified for Mortality. Scientific Reports, 2018, 8, 6681.	3.3	28
14	Inhibition of the Hexosamine Biosynthetic Pathway by targeting PGM3 causes breast cancer growth arrest and apoptosis. Cell Death and Disease, 2018, 9, 377.	6.3	68
15	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. Journal of Experimental and Clinical Cancer Research, 2018, 37, 302.	8.6	27
16	Blood pressure variability, heart functionality, and left ventricular tissue alterations in a protocol of severe hemorrhagic shock and resuscitation. Journal of Applied Physiology, 2018, 125, 1011-1020.	2.5	10
17	Supplementation with QterÂ® and Creatine improves functional performance in COPD patients on long term oxygen therapy. Respiratory Medicine, 2018, 142, 86-93.	2.9	28
18	A Nanostructured Matrices Assessment to Study Drug Distribution in Solid Tumor Tissues by Mass Spectrometry Imaging. Nanomaterials, 2017, 7, 71.	4.1	13

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19	Current and Emerging Technologies for Probing Molecular Signatures of Traumatic Brain Injury. Frontiers in Neurology, 2017, 8, 450.	2.4	18
20	Characterization of a metabolomic profile associated with responsiveness to therapy in the acute phase of septic shock. Scientific Reports, 2017, 7, 9748.	3.3	59
21	Protection of Brain Injury by Amniotic Mesenchymal Stromal Cell-Secreted Metabolites. Critical Care Medicine, 2016, 44, e1118-e1131.	0.9	66
22	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. Scientific Reports, 2016, 6, 30343.	3.3	15
23	Comparative metabolomics profiling of isogenic KRAS wild type and mutant NSCLC cells in vitro and in vivo. Scientific Reports, 2016, 6, 28398.	3.3	29
24	Mortality prediction in patients with severe septic shock: a pilot study using a target metabolomics approach. Scientific Reports, 2016, 6, 20391.	3.3	126
25	ShockOmics: multiscale approach to the identification of molecular biomarkers in acute heart failure induced by shock. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2016, 24, 9.	2.6	20
26	Different metabolic responses to PI3K inhibition in NSCLC cells harboring wild-type and G12C mutant KRAS. Oncotarget, 2016, 7, 51462-51472.	1.8	21
27	Metabolite analysis in sepsis through conditional independence maps. , 2015, 2015, 6477-80.		1
28	The anti-leukemic activity of sodium dichloroacetate in p53mutated/null cells is mediated by a p53-independent ILF3/p21 pathway. Oncotarget, 2015, 6, 2385-2396.	1.8	16
29	Capturing the metabolomic diversity of KRAS mutants in non-small-cell lung cancer cells. Oncotarget, 2014, 5, 4722-4731.	1.8	80
30	Whole-blood global DNA methylation is increased in amyotrophic lateral sclerosis independently of age of onset. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2014, 15, 98-105.	1.7	54
31	Plasma amino acids patterns and age of onset of amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2014, 15, 371-375.	1.7	8
32	A combination of untargeted and targeted metabolomics approaches unveils changes in the kynurenine pathway following cardiopulmonary resuscitation. Metabolomics, 2013, 9, 839-852.	3.0	13
33	Early kynurenine pathway activation following cardiac arrest in rats, pigs, and humans. Resuscitation, 2013, 84, 1604-1610.	3.0	35
34	Proteomic analysis of mouse brain cortex identifies metabolic downâ€regulation as a general feature of ischemic preâ€conditioning. Journal of Neurochemistry, 2012, 122, 1219-1229.	3.9	22
35	The genomic and proteomic blueprint of mouse megakaryocytes derived from embryonic stem cells. Journal of Thrombosis and Haemostasis, 2012, 10, 907-915.	3.8	9
36	Insight into the neuroproteomics effects of the food-contaminant non-dioxin like polychlorinated biphenyls. Journal of Proteomics, 2012, 75, 2417-2430.	2.4	28

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37	Exploratory investigation on nitro- and phospho-proteome cerebellum changes in hyperammonemia and hepatic encephalopathy rat models. Metabolic Brain Disease, 2012, 27, 37-49.	2.9	4
38	Combination of PI3K/mTOR Inhibitors: Antitumor Activity and Molecular Correlates. Cancer Research, 2011, 71, 4573-4584.	0.9	68
39	Cerebellum Proteomics Addressing the Cognitive Deficit of Rats Perinatally Exposed to the Food-Relevant Polychlorinated Biphenyl 138. Toxicological Sciences, 2011, 123, 170-179.	3.1	14
40	Dioxin-Sensitive Proteins in Differentiating Osteoblasts: Effects on Bone Formation In Vitro. Toxicological Sciences, 2009, 108, 330-343.	3.1	36
41	Effects of cigarette smoking on the human urinary proteome. Biochemical and Biophysical Research Communications, 2009, 381, 397-402.	2.1	40
42	Proteome characterization of a human urothelial cell line resistant to the bladder carcinogen 4-aminobiphenyl. Proteome Science, 2007, 5, 6.	1.7	6
43	Primary DNA damage and genetic polymorphisms for CYP1A1, EPHX and GSTM1 in workers at a graphite electrode manufacturing plant. BMC Public Health, 2007, 7, 270.	2.9	15
44	Differential Expression Profiling of the Hepatic Proteome in a Rat Model of Dioxin Resistance. Molecular and Cellular Proteomics, 2006, 5, 882-894.	3.8	55
45	Proteome analysis for the identification ofin vivo estrogen-regulated proteins in bone. Proteomics, 2005, 5, 4936-4945.	2.2	39
46	CYP1A1, GSTM1 and GSTT1 polymorphisms and lung cancer: a pooled analysis of geneâ€“gene interactions. Biomarkers, 2004, 9, 298-305.	1.9	53
47	Enzyme polymorphisms influencing the metabolism of heterocyclic aromatic amines. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 802, 175-181.	2.3	6
48	CYP1A1 T3801 C polymorphism and lung cancer: A pooled analysis of 2,451 cases and 3,358 controls. International Journal of Cancer, 2003, 104, 650-657.	5.1	140
49	Genetic polymorphisms and modulation of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)-DNA adducts in human lymphocytes. International Journal of Cancer, 2003, 107, 878-884.	5.1	45
50	Severe intoxication after phenytoin infusion: A preventable pharmacogenetic adverse reaction. Neurology, 2003, 60, 1395-1396.	1.1	24
51	Effect of dna repair gene polymorphisms on BPDE-DNA adducts in human lymphocytes. International Journal of Cancer, 2002, 100, 9-13.	5.1	65
52	Genetic Determinants of Alcohol Addiction and Metabolism: A Survey in Italy. Alcoholism: Clinical and Experimental Research, 2001, 25, 221-227.	2.4	41
53	Benzo(a)pyrene diolepoxide adducts to albumin in workers exposed to polycyclic aromatic hydrocarbons: association with specificCYP1A1,GSTM1,GSTP1andEHPXgenotypes. Biomarkers, 2001, 6, 357-374.	1.9	11
54	Benzo(a)pyrene diolepoxide-haemoglobin and albumin adducts at low levels of benzo(a)pyrene exposure. Biomarkers, 2000, 5, 245-251.	1.9	12

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55	Carcinogen-DNA Adducts as Tools in Risk Assessment. Advances in Experimental Medicine and Biology, 1999, 472, 231-240.	1.6	7
56	3,4 Dichloroaniline-haemoglobin adducts in humans: preliminary data on agricultural workers exposed to propanil. Biomarkers, 1998, 3, 227-233.	1.9	18
57	Aromatic DNA adducts in lymphocytes of humans working at high and low traffic density areas. Chemico-Biological Interactions, 1996, 101, 127-136.	4.0	29
58	Immunomodulatory Effects of Occupational Exposure to Mancozeb. Archives of Environmental Health, 1996, 51, 445-451.	0.4	40
59	Hemoglobin adducts of benzo[a]pyrene diolepoxide in newspaper vendors: association with traffic exhaust. Carcinogenesis, 1996, 17, 2389-2394.	2.8	51
60	Gas chromatography-mass spectrometry determination of ethylenethiourea hemoglobin adducts: a possible indicator of exposure to ethylene bis dithiocarbamate pesticides. Archives of Toxicology, 1995, 69, 306-311.	4.2	14
61	Simultaneous immunoaffinity purification of O6-methyl, O6-ethyl-, O6-propyl- and O6-butylguanine and their analysis by gas chromatography/mass spectrometry. Carcinogenesis, 1995, 16, 2247-2250.	2.8	7
62	Fluoranthene metabolism: human and rat liver microsomes display different stereoselective formation of the trans-2,3-dihydrodiol. Chemical Research in Toxicology, 1992, 5, 779-786.	3.3	21
63	The determination of urinary 3-methyladenine by immnunoaffinity chromatography-monoclonal antibody-based ELISA: use in human biomonitoring studies. Carcinogenesis, 1990, 11, 1747-1751.	2.8	58
64	Benzo[a]pyrene diol epoxide adduct formation in mouse and human hemoglobin: physicochemical basis for dosimetry. Chemical Research in Toxicology, 1990, 3, 111-117.	3.3	46
65	Origin of the tetrahydrotetrols derived from human hemoglobin adducts of benzo[a]pyrene. Chemical Research in Toxicology, 1989, 2, 280-281.	3.3	39
66	Effect of butylated hydroxyanisole added in vitro or administered to rats on N,N-dibutylnitrosamine and N-butyl-N-(4-hydroxybutyl)nitrosamine metabolism by post-mitochondrial supernatant of liver homogenates. Toxicology, 1988, 48, 71-80.	4.2	7
67	Effect of acute and chronic butylated hydroxyanisole administration on in vivo glucuronidation of N-nitrosobutyl(4-hydroxybutyl)amine in rats. Food and Chemical Toxicology, 1988, 26, 419-423.	3.6	2
68	Effect of butylated hydroxyanisole on in vitro and in vivo nitrosation of dibutylamine. Toxicology, 1987, 43, 217-225.	4.2	3
69	Studies on the tetrachlorodibenzo-p-dioxins (TCDD) and tetrachlorodibenzofurans (TCDF) emitted from an urban incinerator. Chemosphere, 1986, 15, 557-561.	8.2	12
70	Kinetics of 3-tert-butyl-4-hydroxyanisole (BHA) in man. Food and Chemical Toxicology, 1984, 22, 901-904.	3.6	14