

Cristina Battaglia

List of Publications by Year in Descending Order

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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.

73
papers

2,771
citations

29
h-index

51
g-index

74
ext. papers

3,076
ext. citations

6.3
avg, IF

4.26
L-index

#	Paper	IF	Citations
73	BIOM-10. PREVALENCE OF NF1 MISSENSE MUTATIONS AND CANDIDATE MODIFIER GENES IN SPINAL NEUROFIBROMATOSIS PATIENTS. <i>Neuro-Oncology</i> , 2020 , 22, ii3-ii3	1	
72	HDAC8: A Promising Therapeutic Target for Acute Myeloid Leukemia. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 844	5.7	8
71	Emerging Role of Genetic Alterations Affecting Exosome Biology in Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
70	Candidate Genes and MiRNAs Linked to the Inverse Relationship Between Cancer and Alzheimer's Disease: Insights From Data Mining and Enrichment Analysis. <i>Frontiers in Genetics</i> , 2019 , 10, 846	4.5	8
69	Nuclear receptor ligands induce TREM-1 expression on dendritic cells: analysis of their role in tumors. <i>Oncolmmunology</i> , 2019 , 8, 1554967	7.2	7
68	Transcriptional profiling of human bronchial epithelial cell BEAS-2B exposed to diesel and biomass ultrafine particles. <i>BMC Genomics</i> , 2018 , 19, 302	4.5	27
67	Extracellular vesicle-packaged miRNA release after short-term exposure to particulate matter is associated with increased coagulation. <i>Particle and Fibre Toxicology</i> , 2017 , 14, 32	8.4	60
66	The role of IL-6 released from pulmonary epithelial cells in diesel UFP-induced endothelial activation. <i>Environmental Pollution</i> , 2017 , 231, 1314-1321	9.3	12
65	The glucose and lipid metabolism reprogramming is grade-dependent in clear cell renal cell carcinoma primary cultures and is targetable to modulate cell viability and proliferation. <i>Oncotarget</i> , 2017 , 8, 113502-113515	3.3	50
64	MicroRNAs are associated with blood-pressure effects of exposure to particulate matter: Results from a mediated moderation analysis. <i>Environmental Research</i> , 2016 , 146, 274-81	7.9	19
63	Integrative transcriptomic and protein analysis of human bronchial BEAS-2B exposed to seasonal urban particulate matter. <i>Environmental Pollution</i> , 2016 , 209, 87-98	9.3	59
62	Major Action of Endogenous Lysyl Oxidase in Clear Cell Renal Cell Carcinoma Progression and Collagen Stiffness Revealed by Primary Cell Cultures. <i>American Journal of Pathology</i> , 2016 , 186, 2473-85	5.8	25
61	Whole-exome sequencing of primary plasma cell leukemia discloses heterogeneous mutational patterns. <i>Oncotarget</i> , 2015 , 6, 17543-58	3.3	45
60	Transcriptomic profiling of the development of the inflammatory response in human monocytes in vitro. <i>PLoS ONE</i> , 2014 , 9, e87680	3.7	56
59	Repeated intratracheal instillation of PM10 induces lipid reshaping in lung parenchyma and in extra-pulmonary tissues. <i>PLoS ONE</i> , 2014 , 9, e106855	3.7	13
58	Health risk assessment for air pollutants: alterations in lung and cardiac gene expression in mice exposed to Milano winter fine particulate matter (PM2.5). <i>PLoS ONE</i> , 2014 , 9, e109685	3.7	68
57	Urinary exosomes and diabetic nephropathy: a proteomic approach. <i>Molecular BioSystems</i> , 2013 , 9, 1139-46		52

56	Differential protein profiling of renal cell carcinoma urinary exosomes. <i>Molecular BioSystems</i> , 2013 , 9, 1220-33		114
55	Profiling, Bioinformatic, and Functional Data on the Developing Olfactory/GnRH System Reveal Cellular and Molecular Pathways Essential for This Process and Potentially Relevant for the Kallmann Syndrome. <i>Frontiers in Endocrinology</i> , 2013 , 4, 203	5.7	8
54	Chronic resveratrol treatment ameliorates cell adhesion and mitigates the inflammatory phenotype in senescent human fibroblasts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 371-81	6.4	39
53	Integrative Analysis of miRNA and inflammatory gene expression after acute particulate matter exposure. <i>Toxicological Sciences</i> , 2013 , 132, 307-16	4.4	58
52	Genetic analysis of Italian patients with congenital hyperinsulinism of infancy. <i>Hormone Research in Paediatrics</i> , 2013 , 79, 236-42	3.3	14
51	EXCAVATOR: detecting copy number variants from whole-exome sequencing data. <i>Genome Biology</i> , 2013 , 14, R120	18.3	167
50	Milano summer particulate matter (PM10) triggers lung inflammation and extra pulmonary adverse events in mice. <i>PLoS ONE</i> , 2013 , 8, e56636	3.7	72
49	Whole genome SNP genotyping and exome sequencing reveal novel genetic variants and putative causative genes in congenital hyperinsulinism. <i>PLoS ONE</i> , 2013 , 8, e68740	3.7	21
48	Comprehensive genomic characterization of cutaneous malignant melanoma cell lines derived from metastatic lesions by whole-exome sequencing and SNP array profiling. <i>PLoS ONE</i> , 2013 , 8, e63597	3.7	27
47	Gene expression profiling of A549 cells exposed to Milan PM2.5. <i>Toxicology Letters</i> , 2012 , 209, 136-45	4.4	114
46	Reliability of miRNA Microarray Platforms: An Approach Based on Random Effects Linear Models. <i>Lecture Notes in Computer Science</i> , 2012 , 61-72	0.9	
45	Renal cell carcinoma primary cultures maintain genomic and phenotypic profile of parental tumor tissues. <i>BMC Cancer</i> , 2011 , 11, 244	4.8	20
44	PREDA: an R-package to identify regional variations in genomic data. <i>Bioinformatics</i> , 2011 , 27, 2446-7	7.2	13
43	myMIR: a genome-wide microRNA targets identification and annotation tool. <i>Briefings in Bioinformatics</i> , 2011 , 12, 588-600	13.4	21
42	DNA copy-number abnormalities do not occur in infant ALL with t(4;11)/MLL-AF4. <i>Leukemia</i> , 2010 , 24, 169-76	10.7	51
41	Using pathway signatures as means of identifying similarities among microarray experiments. <i>PLoS ONE</i> , 2009 , 4, e4128	3.7	25
40	A computational procedure to identify significant overlap of differentially expressed and genomic imbalanced regions in cancer datasets. <i>Nucleic Acids Research</i> , 2009 , 37, 5057-70	20.1	24
39	A SNP microarray and FISH-based procedure to detect allelic imbalances in multiple myeloma: an integrated genomics approach reveals a wide gene dosage effect. <i>Genes Chromosomes and Cancer</i> , 2009 , 48, 603-14	5	113

38	Surface-activated chemical ionization and cation exchange chromatography for the analysis of enterotoxin A. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 1482-8	2.2	5
37	Rational design, synthesis and characterization of potent, non-peptidic Smac mimics/XIAP inhibitors as proapoptotic agents for cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5834-56	3.4	33
36	Genome-wide screening of copy number alterations and LOH events in renal cell carcinomas and integration with gene expression profile. <i>Molecular Cancer</i> , 2008 , 7, 6	42.1	58
35	Concentration and microsatellite status of plasma DNA for monitoring patients with renal carcinoma. <i>European Journal of Cancer</i> , 2008 , 44, 1039-47	7.5	25
34	Development of a microarray platform for detection of milk pathogens: preliminary results. <i>Veterinary Research Communications</i> , 2008 , 32 Suppl 1, S187-9	2.9	2
33	Assessment of Common Regions and Specific Footprints of DNA Copy Number Aberrations Across Multiple Affymetrix SNP Mapping Arrays. <i>Lecture Notes in Computer Science</i> , 2007 , 674-681	0.9	
32	Locally Adaptive Statistical Procedures for the Integrative Analysis on Genomic and Transcriptional Data. <i>Lecture Notes in Computer Science</i> , 2007 , 682-689	0.9	
31	Algorithm for automatic genotype calling of single nucleotide polymorphisms using the full course of TaqMan real-time data. <i>Nucleic Acids Research</i> , 2006 , 34, e56	20.1	9
30	Transcriptome amplification methods in gene expression profiling. <i>Expert Review of Molecular Diagnostics</i> , 2006 , 6, 465-80	3.8	21
29	Application of the Taguchi method to the analysis of the deposition step in microarray production. <i>IEEE Transactions on Nanobioscience</i> , 2006 , 5, 164-72	3.4	4
28	A structured chitosan-based platform for biomolecule attachment to solid surfaces: application to DNA microarray preparation. <i>Bioconjugate Chemistry</i> , 2006 , 17, 371-7	6.3	28
27	Strategies for comparing gene expression profiles from different microarray platforms: application to a case-control experiment. <i>Analytical Biochemistry</i> , 2006 , 353, 43-56	3.1	37
26	Polymorphism analysis within the HLA-A locus by universal oligonucleotide array. <i>Human Mutation</i> , 2004 , 24, 428-34	4.7	24
25	Detection and quantitation of genetically modified maize (Bt-176 transgenic maize) by applying ligation detection reaction and universal array technology. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 1049-54	5.7	35
24	Development of a universal microarray based on the ligation detection reaction and 16S rRNA gene polymorphism to target diversity of cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 7161-72	4.8	100
23	Detection of HLA polymorphisms by ligase detection reaction and a universal array format: a pilot study for low resolution genotyping. <i>Human Immunology</i> , 2003 , 64, 168-78	2.3	26
22	Apolipoprotein E and transferrin genotyping by ligation detection reaction and universal array. <i>Clinical Chemistry</i> , 2003 , 49, 1537-40	5.5	4
21	The mechanisms responsible for 2-dimensional pattern formation in bacterial macrofiber populations grown on solid surfaces: fiber joining and the creation of exclusion zones. <i>BMC Microbiology</i> , 2002 , 2, 1	4.5	33

20	Bacterial discrimination by means of a universal array approach mediated by LDR (ligase detection reaction). <i>BMC Microbiology</i> , 2002 , 2, 27	4.5	39
19	Investigation of the multiple anchors approach in oligonucleotide microarray preparation using linear and stem-loop structured probes. <i>Nucleic Acids Research</i> , 2002 , 30, E34-4	20.1	9
18	Two efficient polymeric chemical platforms for oligonucleotide microarray preparation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002 , 21, 561-80	1.4	20
17	Electrospray ionization mass spectrometry of synthetic oligonucleotides using 2-propanol and spermidine. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 243-9	2.2	17
16	Analysis of DNA microarrays by non-destructive fluorescent staining using SYBR green II. <i>BioTechniques</i> , 2000 , 29, 78-81	2.5	58
15	Time-resolved DNA-microarray reading by an intensified CCD for ultimate sensitivity. <i>Optics Letters</i> , 2000 , 25, 1648-50	3	25
14	Oligonucleotides Quality Control Analysis in Free Solution by Capillary Electrophoresis at Acidic pH. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 469-474		1
13	Composition dependent separation of oligonucleotides by capillary electrophoresis in acidic buffers with application to the quality control of synthetic oligonucleotides. <i>Journal of Chromatography A</i> , 1999 , 848, 435-442	4.5	12
12	Application of capillary electrophoresis at low pH to oligonucleotides quality control. <i>Journal of Chromatography A</i> , 1999 , 853, 355-8	4.5	9
11	Direct podocyte damage in the single nephron leads to albuminuria in vivo. <i>Kidney International</i> , 1995 , 47, 1078-86	9.9	32
10	Nidogen mediates the formation of ternary complexes of basement membrane components. <i>Kidney International</i> , 1993 , 43, 7-12	9.9	140
9	Monoclonal antibodies against laminin A chain fragment E3 and their effects on binding to cells and proteoglycan and on kidney development. <i>Experimental Cell Research</i> , 1992 , 201, 137-44	4.2	110
8	Basement-membrane heparan sulfate proteoglycan binds to laminin by its heparan sulfate chains and to nidogen by sites in the protein core. <i>FEBS Journal</i> , 1992 , 208, 359-66		158
7	Low-protein diet and glomerular size-selective function in membranous glomerulopathy. <i>American Journal of Kidney Diseases</i> , 1991 , 17, 317-22	7.4	10
6	Platelet-activating factor alters glomerular barrier size selectivity for macromolecules in rats. <i>American Journal of Physiology - Renal Physiology</i> , 1991 , 261, F85-90	4.3	6
5	Glomerular response to hyperglycemia in human diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 1990 , 259, F545-52	4.3	13
4	Angiotensin converting enzyme inhibition ameliorates glomerular filtration of macromolecules and water and lessens glomerular injury in the rat. <i>Journal of Clinical Investigation</i> , 1990 , 85, 541-9	15.9	174
3	Angiotensin-converting enzyme inhibition ameliorates the defect in glomerular size selectivity in hyponatremic hypertensive syndrome. <i>American Journal of Kidney Diseases</i> , 1989 , 14, 170-7	7.4	21

- 2 Glomerular size selectivity in nephrotic rats exposed to diets with different protein content. *American Journal of Physiology - Renal Physiology*, **1987**, 253, F318-27 43 6
- 1 Low-protein diet prevents glomerular damage in adriamycin-treated rats. *Kidney International*, **1985**, 28, 21-7 99 42