

Cristina Battaglia

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8629558/cristina-battaglia-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
72	EXCAVATOR: detecting copy number variants from whole-exome sequencing data. <i>Genome Biology</i> , 2013 , 14, R120	18.3	167
71	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
70	Nidogen mediates the formation of ternary complexes of basement membrane components. <i>Kidney International</i> , 1993 , 43, 7-12	9.9	140
69	Gene expression profiling of A549 cells exposed to Milan PM2.5. <i>Toxicology Letters</i> , 2012 , 209, 136-45	4.4	114
68	Differential protein profiling of renal cell carcinoma urinary exosomes. <i>Molecular BioSystems</i> , 2013 , 9, 1220-33		114
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	Integrative Analysis of miRNA and inflammatory gene expression after acute particulate matter exposure. <i>Toxicological Sciences</i> , 2013 , 132, 307-16	4.4	58
59	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
58	Analysis of DNA microarrays by non-destructive fluorescent staining using SYBR green II. <i>BioTechniques</i> , 2000 , 29, 78-81	2.5	58
57	Transcriptomic profiling of the development of the inflammatory response in human monocytes in vitro. <i>PLoS ONE</i> , 2014 , 9, e87680	3.7	56

56	Urinary exosomes and diabetic nephropathy: a proteomic approach. <i>Molecular BioSystems</i> , 2013 , 9, 1139-46		52
55	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
54	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
53	Whole-exome sequencing of primary plasma cell leukemia discloses heterogeneous mutational patterns. <i>Oncotarget</i> , 2015 , 6, 17543-58	3.3	45
52	Low-protein diet prevents glomerular damage in adriamycin-treated rats. <i>Kidney International</i> , 1985 , 28, 21-7	9.9	42
51	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
50	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
49	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
48	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
47	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
46	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
45	Direct podocyte damage in the single nephron leads to albuminuria in vivo. <i>Kidney International</i> , 1995 , 47, 1078-86	9.9	32
44	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
43	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
42	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
41	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
40	Using pathway signatures as means of identifying similarities among microarray experiments. <i>PLoS ONE</i> , 2009 , 4, e4128	3.7	25
39	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

38	Time-resolved DNA-microarray reading by an intensified CCD for ultimate sensitivity. <i>Optics Letters</i> , 2000 , 25, 1648-50	3	25
37	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}	5.8	25
36	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
35	Polymorphism analysis within the HLA-A locus by universal oligonucleotide array. <i>Human Mutation</i> , 2004 , 24, 428-34	4.7	24
34	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
33	myMIR: a genome-wide microRNA targets identification and annotation tool. <i>Briefings in Bioinformatics</i> , 2011 , 12, 588-600	13.4	21
32	Transcriptome amplification methods in gene expression profiling. <i>Expert Review of Molecular Diagnostics</i> , 2006 , 6, 465-80	3.8	21
31	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
30	Renal cell carcinoma primary cultures maintain genomic and phenotypic profile of parental tumor tissues. <i>BMC Cancer</i> , 2011 , 11, 244	4.8	20
29	Two efficient polymeric chemical platforms for oligonucleotide microarray preparation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002 , 21, 561-80	1.4	20
28	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
27	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
26	Emerging Role of Genetic Alterations Affecting Exosome Biology in Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
25	Genetic analysis of Italian patients with congenital hyperinsulinism of infancy. <i>Hormone Research in Paediatrics</i> , 2013 , 79, 236-42	3.3	14
24	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
23	PREDA: an R-package to identify regional variations in genomic data. <i>Bioinformatics</i> , 2011 , 27, 2446-7	7.2	13
22	Glomerular response to hyperglycemia in human diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 1990 , 259, F545-52	4.3	13
21	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

20	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
19	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
18	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
17	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
16	Application of capillary electrophoresis at low pH to oligonucleotides quality control. <i>Journal of Chromatography A</i> , 1999 , 853, 355-8	4.5	9
15	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
14	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
13	HDAC8: A Promising Therapeutic Target for Acute Myeloid Leukemia. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 844	5.7	8
12	Nuclear receptor ligands induce TREM-1 expression on dendritic cells: analysis of their role in tumors. <i>Oncot Immunology</i> , 2019 , 8, 1554967	7.2	7
11	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
10	Glomerular size selectivity in nephrotic rats exposed to diets with different protein content. <i>American Journal of Physiology - Renal Physiology</i> , 1987 , 253, F318-27	4.3	6
9	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
8	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
7	Apolipoprotein E and transferrin genotyping by ligation detection reaction and universal array. <i>Clinical Chemistry</i> , 2003 , 49, 1537-40	5.5	4
6	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
5	Oligonucleotides Quality Control Analysis in Free Solution by Capillary Electrophoresis at Acidic pH. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 469-474		1
4	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	
3	BIOM-10. PREVALENCE OF NF1 MISSENSE MUTATIONS AND CANDIDATE MODIFIER GENES IN SPINAL NEUROFIBROMATOSIS PATIENTS. <i>Neuro-Oncology</i> , 2020 , 22, ii3-ii3	1	

- | | | |
|---|---|-----|
| 2 | 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 |
| 1 | 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 |