

Chiara Pastrello

List of Publications by Citations

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Version: 2024-04-27

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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.

59
papers

1,553
citations

21
h-index

38
g-index

74
ext. papers

2,130
ext. citations

7.2
avg, IF

4.78
L-index

#	Paper	IF	Citations
59	mirDIP 4.1-integrative database of human microRNA target predictions. <i>Nucleic Acids Research</i> , 2018 , 46, D360-D370	20.1	232
58	Integrated interactions database: tissue-specific view of the human and model organism interactomes. <i>Nucleic Acids Research</i> , 2016 , 44, D536-41	20.1	146
57	Capturing variation impact on molecular interactions in the IMEx Consortium mutations data set. <i>Nature Communications</i> , 2019 , 10, 10	17.4	122
56	In silico prediction of physical protein interactions and characterization of interactome orphans. <i>Nature Methods</i> , 2015 , 12, 79-84	21.6	106
55	IID 2018 update: context-specific physical protein-protein interactions in human, model organisms and domesticated species. <i>Nucleic Acids Research</i> , 2019 , 47, D581-D589	20.1	98
54	Molecular and clinicopathologic characterization of gastrointestinal stromal tumors (GISTs) of small size. <i>American Journal of Surgical Pathology</i> , 2010 , 34, 1480-91	6.7	90
53	Association between hsa-mir-146a genotype and tumor age-of-onset in BRCA1/BRCA2-negative familial breast and ovarian cancer patients. <i>Carcinogenesis</i> , 2010 , 31, 2124-6	4.6	79
52	pathDIP: an annotated resource for known and predicted human gene-pathway associations and pathway enrichment analysis. <i>Nucleic Acids Research</i> , 2017 , 45, D419-D426	20.1	64
51	Stability of BAT26 in tumours of hereditary nonpolyposis colorectal cancer patients with MSH2 intragenic deletion. <i>European Journal of Human Genetics</i> , 2006 , 14, 63-8	5.3	35
50	An integrative approach for the identification of prognostic and predictive biomarkers in rectal cancer. <i>Oncotarget</i> , 2015 , 6, 32561-74	3.3	32
49	The ablation of the matricellular protein EMILIN2 causes defective vascularization due to impaired EGFR-dependent IL-8 production affecting tumor growth. <i>Oncogene</i> , 2018 , 37, 3399-3414	9.2	31
48	Integrated analysis of unclassified variants in mismatch repair genes. <i>Genetics in Medicine</i> , 2011 , 13, 115-24		31
47	A functional biological network centered on XRCC3: a new possible marker of chemoradiotherapy resistance in rectal cancer patients. <i>Cancer Biology and Therapy</i> , 2015 , 16, 1160-71	4.6	30
46	Mechanical Stiffness Controls Dendritic Cell Metabolism and Function. <i>Cell Reports</i> , 2021 , 34, 108609	10.6	28
45	Prioritizing therapeutics for lung cancer: an integrative meta-analysis of cancer gene signatures and chemogenomic data. <i>PLoS Computational Biology</i> , 2015 , 11, e1004068	5	27
44	Circulating plant miRNAs can regulate human gene expression in vitro. <i>Scientific Reports</i> , 2016 , 6, 32773	4.9	27
43	Towards a unified open access dataset of molecular interactions. <i>Nature Communications</i> , 2020 , 11, 6144	7.4	26

42	An Integrated Approach Identifies Mediators of Local Recurrence in Head and Neck Squamous Carcinoma. <i>Clinical Cancer Research</i> , 2017 , 23, 3769-3780	12.9	23
41	Integration, visualization and analysis of human interactome. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 757-73	3.4	23
40	The role of MYH gene in genetic predisposition to colorectal cancer: another piece of the puzzle. <i>Cancer Letters</i> , 2008 , 268, 308-13	9.9	23
39	mutations in high grade serous ovarian cancer and impact on clinical outcomes: a comparison of next generation sequencing and bioinformatics analyses. <i>International Journal of Gynecological Cancer</i> , 2019 , 29, 346-352	3.5	21
38	pathDIP 4: an extended pathway annotations and enrichment analysis resource for human, model organisms and domesticated species. <i>Nucleic Acids Research</i> , 2020 , 48, D479-D488	20.1	21
37	The IMEx coronavirus interactome: an evolving map of Coronaviridae-host molecular interactions. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	19
36	A genetic model for determining MSH2 and MLH1 carrier probabilities based on family history and tumor microsatellite instability. <i>Clinical Genetics</i> , 2006 , 69, 254-62	4	18
35	Visual Data Mining: Effective Exploration of the Biological Universe. <i>Lecture Notes in Computer Science</i> , 2014 , 19-33	0.9	16
34	Visual data mining of biological networks: one size does not fit all. <i>PLoS Computational Biology</i> , 2013 , 9, e1002833	5	16
33	Somatic mosaicism in a patient with Lynch syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2009 , 149A, 212-5	2.5	16
32	A stemness screen reveals as a promoter of human leukemia stem cell latency. <i>Blood</i> , 2019 , 133, 2198-2211	11	14
31	Ubiquitin ligase RNF8 suppresses Notch signaling to regulate mammary development and tumorigenesis. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4525-4542	15.9	14
30	Sequencing identifies a distinct signature of circulating microRNAs in early radiographic knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2020 , 28, 1471-1481	6.2	13
29	MUTYH c.933+3A>C, associated with a severely impaired gene expression, is the first Italian founder mutation in MUTYH-Associated Polyposis. <i>International Journal of Cancer</i> , 2013 , 132, 1060-9	7.5	12
28	BioPAX-Parser: parsing and enrichment analysis of BioPAX pathways. <i>Bioinformatics</i> , 2020 , 36, 4377-4378	8.2	11
27	Extracellular Matrix Injury of Kidney Allografts in Antibody-Mediated Rejection: A Proteomics Study. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 2705-2724	12.7	11
26	IID 2021: towards context-specific protein interaction analyses by increased coverage, enhanced annotation and enrichment analysis. <i>Nucleic Acids Research</i> , 2021 ,	20.1	9
25	GSOAP: a tool for visualization of gene set over-representation analysis. <i>Bioinformatics</i> , 2020 , 36, 2923-2925	7.2	8

24	Retraction: Circulating plant miRNAs can regulate human gene expression in vitro. <i>Scientific Reports</i> , 2017 , 7, 46826	4.9	6
23	Differentially expressed microRNAs in lung adenocarcinoma invert effects of copy number aberrations of prognostic genes. <i>Oncotarget</i> , 2018 , 9, 9137-9155	3.3	6
22	Modeling tumor progression via the comparison of stage-specific graphs. <i>Methods</i> , 2018 , 132, 34-41	4.6	5
21	Robust quantitative scratch assay. <i>Bioinformatics</i> , 2016 , 32, 1439-40	7.2	5
20	SDREGION 2018 ,		4
19	Two Decades of Biological Pathway Databases: Results and Challenges 2019 , 1071-1084		4
18	Informed Use of Protein-Protein Interaction Data: A Focus on the Integrated Interactions Database (IID). <i>Methods in Molecular Biology</i> , 2020 , 2074, 125-134	1.4	4
17	The IMEx Coronavirus interactome: an evolving map of Coronaviridae-Host molecular interactions 2020 ,		4
16	Tumor cell endogenous HIF-1 α activity induces aberrant angiogenesis and interacts with TRAF6 pathway required for colorectal cancer development. <i>Neoplasia</i> , 2020 , 22, 745-758	6.4	3
15	Estrogen Receptor 1 Inhibition of Wnt/ β Catenin Signaling Contributes to Sex Differences in Hepatocarcinogenesis. <i>Frontiers in Oncology</i> , 2021 , 11, 777834	5.3	3
14	Comprehensive pathway enrichment analysis workflows: COVID-19 case study. <i>Briefings in Bioinformatics</i> , 2021 , 22, 676-689	13.4	3
13	Increased Autoantibodies Against Ro/SS-A, CENP-B, and La/SS-B in Patients With Kidney Allograft Antibody-mediated Rejection. <i>Transplantation Direct</i> , 2021 , 7, e768	2.3	3
12	Visualization of Biomedical Networks 2019 , 1016-1035		2
11	Reply to Jaskowski et al. <i>European Journal of Human Genetics</i> , 2007 , 15, 141-142	5.3	2
10	Protein-Protein Interaction Databases 2019 , 988-996		1
9	Capturing variation impact on molecular interactions: the IMEx Consortium mutations data set		1
8	Circulating microRNAs differentiate fast-progressing from slow-progressing and non-progressing knee osteoarthritis in the Osteoarthritis Initiative cohort.. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2022 , 14, 1759720X221082917	3.8	1
7	A Network Biology Approach to Understanding the Tissue-Specific Roles of Non-Coding RNAs in Arthritis. <i>Frontiers in Endocrinology</i> , 2021 , 12, 744747	5.7	0

6	Effect of autotaxin inhibition in a surgically-induced mouse model of osteoarthritis. <i>Osteoarthritis and Cartilage Open</i> , 2020 , 2, 100080	1.5	o
5	Normothermic Ex-vivo Kidney Perfusion in a Porcine Auto-Transplantation Model Preserves the Expression of Key Mitochondrial Proteins: An Unbiased Proteomics Analysis. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100101	7.6	o
4	Osteoarthritis Data Integration Portal (OsteoDIP): A web-based gene and non-coding RNA expression database. <i>Osteoarthritis and Cartilage Open</i> , 2022 , 4, 100237	1.5	
3	Integrative analysis of layers of data in hepatocellular carcinoma reveals pathway dependencies. <i>World Journal of Hepatology</i> , 2021 , 13, 94-108	3.4	
2	Pathway Enrichment Analysis of Microarray Data.. <i>Methods in Molecular Biology</i> , 2022 , 2401, 147-159	1.4	
1	Improving Analysis and Annotation of Microarray Data with Protein Interactions.. <i>Methods in Molecular Biology</i> , 2022 , 2401, 51-68	1.4	