

Sarah J Wheelan

List of Publications by Citations

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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.

44
papers

1,428
citations

19
h-index

37
g-index

51
ext. papers

1,894
ext. citations

8.4
avg, IF

4.1
L-index

#	Paper	IF	Citations
44	Gibbon genome and the fast karyotype evolution of small apes. <i>Nature</i> , 2014 , 513, 195-201	50.4	241
43	Directed targeting of chromatin to the nuclear lamina is mediated by chromatin state and A-type lamins. <i>Journal of Cell Biology</i> , 2015 , 208, 33-52	7.3	201
42	Cellular resolution maps of X chromosome inactivation: implications for neural development, function, and disease. <i>Neuron</i> , 2014 , 81, 103-19	13.9	139
41	Clinical validation of KRAS, BRAF, and EGFR mutation detection using next-generation sequencing. <i>American Journal of Clinical Pathology</i> , 2014 , 141, 856-66	1.9	115
40	Gene-breaking: a new paradigm for human retrotransposon-mediated gene evolution. <i>Genome Research</i> , 2005 , 15, 1073-8	9.7	87
39	Whole-Genome Sequencing of Salivary Gland Adenoid Cystic Carcinoma. <i>Cancer Prevention Research</i> , 2016 , 9, 265-74	3.2	59
38	Centroacinar Cells Are Progenitors That Contribute to Endocrine Pancreas Regeneration. <i>Diabetes</i> , 2015 , 64, 3499-509	0.9	49
37	Transcriptional profiling identifies novel regulators of macrophage polarization. <i>PLoS ONE</i> , 2018 , 13, e0208602	3.7	47
36	Transcriptional programs of neoantigen-specific TIL in anti-PD-1-treated lung cancers. <i>Nature</i> , 2021 , 596, 126-132	50.4	40
35	Transposon insertion site profiling chip (TIP-chip). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17632-7	11.5	36
34	PTBP1 and PTBP2 Repress Nonconserved Cryptic Exons. <i>Cell Reports</i> , 2016 , 17, 104-113	10.6	36
33	MYC drives overexpression of telomerase RNA (hTR/TERC) in prostate cancer. <i>Journal of Pathology</i> , 2018 , 244, 11-24	9.4	34
32	Characterization of functionally active gene fusions in human papillomavirus related oropharyngeal squamous cell carcinoma. <i>International Journal of Cancer</i> , 2016 , 139, 373-82	7.5	34
31	Integrated Analysis of Whole-Genome ChIP-Seq and RNA-Seq Data of Primary Head and Neck Tumor Samples Associates HPV Integration Sites with Open Chromatin Marks. <i>Cancer Research</i> , 2017 , 77, 6538-6550	10.1	33
30	CMPK2 and BCL-G are associated with type 1 interferon-induced HIV restriction in humans. <i>Science Advances</i> , 2018 , 4, eaat0843	14.3	30
29	Whole-Exome Sequencing of Metaplastic Breast Carcinoma Indicates Monoclonality with Associated Ductal Carcinoma Component. <i>Clinical Cancer Research</i> , 2017 , 23, 4875-4884	12.9	25
28	The incredible shrinking world of DNA microarrays. <i>Molecular BioSystems</i> , 2008 , 4, 726-32		24

27	Arioc: high-throughput read alignment with GPU-accelerated exploration of the seed-and-extend search space. <i>PeerJ</i> , 2015 , 3, e808	3.1	20
26	RNA-Seq of the nucleolus reveals abundant SNORD44-derived small RNAs. <i>PLoS ONE</i> , 2014 , 9, e107519	3.7	19
25	Properties of LINE-1 proteins and repeat element expression in the context of amyotrophic lateral sclerosis. <i>Mobile DNA</i> , 2018 , 9, 35	4.4	19
24	Mutational profiles of breast cancer metastases from a rapid autopsy series reveal multiple evolutionary trajectories. <i>JCI Insight</i> , 2017 , 2,	9.9	15
23	Haplotype counting by next-generation sequencing for ultrasensitive human DNA detection. <i>Journal of Molecular Diagnostics</i> , 2014 , 16, 495-503	5.1	14
22	Efficient "pythonic" access to FASTA files using pyfaidx		14
21	StereoGene: rapid estimation of genome-wide correlation of continuous or interval feature data. <i>Bioinformatics</i> , 2017 , 33, 3158-3165	7.2	12
20	The NCBI data model. <i>Methods of Biochemical Analysis</i> , 2001 , 43, 19-43		12
19	Mitochondrial genome diversity and evolution in Branchiopoda (Crustacea). <i>Zoological Letters</i> , 2019 , 5, 15	3	10
18	ETS2 is a prostate basal cell marker and is highly expressed in prostate cancers aberrantly expressing p63. <i>Prostate</i> , 2018 , 78, 896-904	4.2	8
17	De novo genome assembly of <i>Candida glabrata</i> reveals cell wall protein complement and structure of dispersed tandem repeat arrays. <i>Molecular Microbiology</i> , 2020 , 113, 1209-1224	4.1	7
16	Functional characterization of alternatively spliced GSN in head and neck squamous cell carcinoma. <i>Translational Research</i> , 2018 , 202, 109-119	11	7
15	Somatic mitochondrial mutation discovery using ultra-deep sequencing of the mitochondrial genome reveals spatial tumor heterogeneity in head and neck squamous cell carcinoma. <i>Cancer Letters</i> , 2020 , 471, 49-60	9.9	7
14	Transflip mutations produce deletions in pancreatic cancer. <i>Genes Chromosomes and Cancer</i> , 2015 , 54, 472-481	5	6
13	A medical student scholarly concentrations program: scholarly self-efficacy and impact on future research activities. <i>Medical Education Online</i> , 2020 , 25, 1786210	4.4	5
12	Stacking the deck: double-tiled DNA microarrays. <i>Nature Methods</i> , 2006 , 3, 903-7	21.6	5
11	NUP98-PHF23 fusion is recurrent in acute myeloid leukemia and shares gene expression signature of leukemic stem cells. <i>Leukemia Research</i> , 2016 , 45, 1-7	2.7	5
10	Cell wall protein variation, break-induced replication, and subtelomere dynamics in <i>Candida glabrata</i> . <i>Molecular Microbiology</i> , 2021 , 116, 260-276	4.1	5

9	Pervasive promoter hypermethylation of silenced TERT alleles in human cancers. <i>Cellular Oncology (Dordrecht)</i> , 2020 , 43, 847-861	7.2	2
8	The Terabase Search Engine: a large-scale relational database of short-read sequences. <i>Bioinformatics</i> , 2019 , 35, 665-670	7.2	2
7	Comparative genomics of tadpole shrimps (Crustacea, Branchiopoda, Notostraca): Dynamic genome evolution against the backdrop of morphological stasis. <i>Genomics</i> , 2021 , 113, 4163-4172	4.3	1
6	Entinostat decreases immune suppression to promote anti-tumor responses in a HER2+ breast tumor microenvironment.. <i>Cancer Immunology Research</i> , 2022 ,	12.5	1
5	Decreased Activated CD4 T Cell Repertoire Diversity After Antiretroviral Therapy in HIV-1/HCV Coinfection Correlates with CD4 T Cell Recovery. <i>Viral Immunology</i> , 2021 , 34, 622-631	1.7	0
4	A primary breast cancer with distinct foci of estrogen receptor-alpha positive and negative cells derived from the same clonal origin as revealed by whole exome sequencing. <i>Breast Cancer Research and Treatment</i> , 2018 , 170, 425-430	4.4	
3	Whole Genome Bisulfite Sequencing (WGBS) Robustly Measures the Pharmacodynamic Effect of Decitabine/Vorinostat Epigenetic Treatment in Relapsed Pediatric ALL Demonstrating Potent Hypomethylation Associated with Upregulation of PRC2 and TP53 Targets. <i>Blood</i> , 2018 , 132, 918-918	2.2	
2	Subtelomere recombination is frequent in tumors lacking telomerase. <i>FASEB Journal</i> , 2012 , 26, 933.4	0.9	
1	Impact Of Rad50 On Telomere Recombination Mechanisms In Primary Bone Marrow and B-Cell Lymphomas Lacking Telomerase. <i>Blood</i> , 2013 , 122, 3807-3807	2.2	