

Frank Diehl

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.

19
papers

5,666
citations

19
h-index

21
g-index

21
ext. papers

6,360
ext. citations

15.3
avg, IF

4.61
L-index

#	Paper	IF	Citations
19	Circulating mutant DNA to assess tumor dynamics. <i>Nature Medicine</i> , 2008 , 14, 985-90	50.5	1718
18	Detection and quantification of mutations in the plasma of patients with colorectal tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16368-73	11.5	858
17	Comparative lesion sequencing provides insights into tumor evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4283-8	11.5	616
16	Development of personalized tumor biomarkers using massively parallel sequencing. <i>Science Translational Medicine</i> , 2010 , 2, 20ra14	17.5	401
15	BEAMing: single-molecule PCR on microparticles in water-in-oil emulsions. <i>Nature Methods</i> , 2006 , 3, 551-556	21.6	354
14	Sensitive digital quantification of DNA methylation in clinical samples. <i>Nature Biotechnology</i> , 2009 , 27, 858-63	44.5	273
13	Detection of tumor PIK3CA status in metastatic breast cancer using peripheral blood. <i>Clinical Cancer Research</i> , 2012 , 18, 3462-9	12.9	259
12	BEAMing up for detection and quantification of rare sequence variants. <i>Nature Methods</i> , 2006 , 3, 95-7	21.6	219
11	Identification of the binding site for a novel class of CCR2b chemokine receptor antagonists: binding to a common chemokine receptor motif within the helical bundle. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25562-71	5.4	207
10	Analysis of mutations in DNA isolated from plasma and stool of colorectal cancer patients. <i>Gastroenterology</i> , 2008 , 135, 489-98	13.3	179
9	Serial assessment of human tumor burdens in mice by the analysis of circulating DNA. <i>Cancer Research</i> , 2007 , 67, 9364-70	10.1	124
8	Performance of Streck cfDNA Blood Collection Tubes for Liquid Biopsy Testing. <i>PLoS ONE</i> , 2016 , 11, e0166354	3.7	116
7	Identification of surface residues of the monocyte chemotactic protein 1 that affect signaling through the receptor CCR2. <i>Biochemistry</i> , 1999 , 38, 16167-77	3.2	93
6	Actionable mutations in plasma cell-free DNA in patients with advanced cancers referred for experimental targeted therapies. <i>Oncotarget</i> , 2015 , 6, 12809-21	3.3	77
5	Digital quantification of mutant DNA in cancer patients. <i>Current Opinion in Oncology</i> , 2007 , 19, 36-42	4.2	42
4	Human papillomavirus type 16 E6 promotes retinoblastoma protein phosphorylation and cell cycle progression. <i>Journal of Virology</i> , 2004 , 78, 13769-78	6.6	39
3	Detection of tumor DNA at the margins of colorectal cancer liver metastasis. <i>Clinical Cancer Research</i> , 2011 , 17, 3551-7	12.9	37

2 Manufacturing DNA microarrays from unpurified PCR products. *Nucleic Acids Research*, **2002**, 30, e79 20.1 30

1 Multicolor in vitro translation. *Nature Biotechnology*, **2003**, 21, 1093-7 44.5 24