

Michael Knudsen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,777
citations

623734

14
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

2983
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Plasma Cell-Free DNA by Ultradeep Sequencing in Patients With Stages I to III Colorectal Cancer. <i>JAMA Oncology</i> , 2019, 5, 1124.	7.1	538
2	Early Detection of Metastatic Relapse and Monitoring of Therapeutic Efficacy by Ultra-Deep Sequencing of Plasma Cell-Free DNA in Patients With Urothelial Bladder Carcinoma. <i>Journal of Clinical Oncology</i> , 2019, 37, 1547-1557.	1.6	298
3	Clinical Implications of Monitoring Circulating Tumor DNA in Patients with Colorectal Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 5437-5445.	7.0	232
4	Molecular correlates of cisplatin-based chemotherapy response in muscle invasive bladder cancer by integrated multi-omics analysis. <i>Nature Communications</i> , 2020, 11, 4858.	12.8	124
5	Monitoring Treatment Response and Metastatic Relapse in Advanced Bladder Cancer by Liquid Biopsy Analysis. <i>European Urology</i> , 2018, 73, 535-540.	1.9	112
6	A bimodular mechanism of calcium control in eukaryotes. <i>Nature</i> , 2012, 491, 468-472.	27.8	110
7	The CATH database. <i>Human Genomics</i> , 2010, 4, 207.	2.9	84
8	Characterization of genetic intratumor heterogeneity in colorectal cancer and matching patient-derived spheroid cultures. <i>Molecular Oncology</i> , 2018, 12, 132-147.	4.6	49
9	Fatgraph models of proteins. <i>Communications on Pure and Applied Mathematics</i> , 2010, 63, 1249-1297.	3.1	37
10	An Algebraic Approach to Signaling Cascades with n Layers. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 45-72.	1.9	30
11	Computational discovery of specificity-conferring sites in non-ribosomal peptide synthetases. <i>Bioinformatics</i> , 2016, 32, 325-329.	4.1	26
12	Correlation between early dynamics in circulating tumour DNA and outcome from FOLFIRI treatment in metastatic colorectal cancer. <i>Scientific Reports</i> , 2019, 9, 11542.	3.3	25
13	Circulating tumor DNA for prognosis assessment and postoperative management after curative-intent resection of colorectal liver metastases. <i>International Journal of Cancer</i> , 2022, 150, 1537-1548.	5.1	22
14	Validation of computational determination of microsatellite status using whole exome sequencing data from colorectal cancer patients. <i>BMC Cancer</i> , 2019, 19, 971.	2.6	18
15	Exact analysis of intrinsic qualitative features of phosphorelays using mathematical models. <i>Journal of Theoretical Biology</i> , 2012, 300, 7-18.	1.7	13
16	Hierarchical Classification of Cancers of Unknown Primary Using Multi-Omics Data. <i>Cancer Informatics</i> , 2019, 18, 117693511987216.	1.9	13
17	An Algebro-Topological Description of Protein Domain Structure. <i>PLoS ONE</i> , 2011, 6, e19670.	2.5	13
18	A Rare Case of Embryonal Carcinoma in a Patient with Turner Syndrome without Y Chromosomal Material but Mutations in <i>KIT</i> , <i>AKT1</i> , and <i>ZNF358</i> ; Demonstrated Using Exome Sequencing. <i>Sexual Development</i> , 2017, 11, 262-268.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Fungal NRPS-Dependent Siderophores: From Function to Prediction. Fungal Biology, 2014, , 317-339.	0.6	7
20	Signaling Cascades: Consequences of Varying Substrate and Phosphatase Levels. Advances in Experimental Medicine and Biology, 2012, 736, 81-94.	1.6	6
21	Classifying cGAS-STING Activity Links Chromosomal Instability with Immunotherapy Response in Metastatic Bladder Cancer. Cancer Research Communications, 2022, 2, 762-771.	1.7	6
22	A Markov Chain Approach to Randomly Grown Graphs. Journal of Applied Mathematics, 2008, 2008, 1-14.	0.9	3
23	Abstract 913: Early detection of metastatic relapse and monitoring of therapeutic efficacy by ultra-deep sequencing of plasma cell-free DNA in patients with urothelial bladder carcinoma. , 2019, , .		3
24	Computational Classification of P-Type ATPases. Methods in Molecular Biology, 2016, 1377, 493-502.	0.9	0