

David Chu

List of Publications by Year in descending order

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38
papers

1,743
citations

331670

21
h-index

315739

38
g-index

38
all docs

38
docs citations

38
times ranked

3580
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>NOTCH1</i> PEST domain variants are responsive to standard of care treatments despite distinct transformative properties in a breast cancer model. <i>Oncotarget</i> , 2022, 13, 373-386.	1.8	1
2	Hierarchical tumor heterogeneity mediated by cell contact between distinct genetic subclones. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	11
3	HER3-targeted protein chimera forms endosomolytic capsomeres and self-assembles into stealth nucleocapsids for systemic tumor homing of RNA interference in vivo. <i>Nucleic Acids Research</i> , 2019, 47, 11020-11043.	14.5	7
4	Genetic Alterations Detected in Cell-Free DNA Are Associated With Enzalutamide and Abiraterone Resistance in Castration-Resistant Prostate Cancer. <i>JCO Precision Oncology</i> , 2019, 3, 1-14.	3.0	23
5	The estrogen receptor-alpha S118P variant does not affect breast cancer incidence or response to endocrine therapies. <i>Breast Cancer Research and Treatment</i> , 2019, 174, 401-412.	2.5	2
6	Hotspot SF3B1 mutations induce metabolic reprogramming and vulnerability to serine deprivation. <i>Journal of Clinical Investigation</i> , 2019, 129, 4708-4723.	8.2	41
7	Resistance to receptor-blocking therapies primes tumors as targets for HER3-homing nanobiologics. <i>Journal of Controlled Release</i> , 2018, 271, 127-138.	9.9	9
8	Upregulation of IRS1 Enhances IGF1 Response in Y537S and D538G ESR1 Mutant Breast Cancer Cells. <i>Endocrinology</i> , 2018, 159, 285-296.	2.8	32
9	Comprehensive Mutation and Copy Number Profiling in Archived Circulating Breast Cancer Tumor Cells Documents Heterogeneous Resistance Mechanisms. <i>Cancer Research</i> , 2018, 78, 1110-1122.	0.9	85
10	Biotinylated amplicon sequencing: A method for preserving DNA samples of limited quantity. <i>Practical Laboratory Medicine</i> , 2018, 12, e00108.	1.3	3
11	PIK3CA mutations and TP53 alterations cooperate to increase cancerous phenotypes and tumor heterogeneity. <i>Breast Cancer Research and Treatment</i> , 2017, 162, 451-464.	2.5	16
12	Whole-Exome Sequencing of Metaplastic Breast Carcinoma Indicates Monoclonality with Associated Ductal Carcinoma Component. <i>Clinical Cancer Research</i> , 2017, 23, 4875-4884.	7.0	35
13	Liquid biopsy: unlocking the potentials of cell-free DNA. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 471, 147-154.	2.8	41
14	Single-Nucleotide Polymorphism Leading to False Allelic Fraction by Droplet Digital PCR. <i>Clinical Chemistry</i> , 2017, 63, 1370-1376.	3.2	6
15	Structurally Novel Antiestrogens Elicit Differential Responses from Constitutively Active Mutant Estrogen Receptors in Breast Cancer Cells and Tumors. <i>Cancer Research</i> , 2017, 77, 5602-5613.	0.9	48
16	Mutation site and context dependent effects of ESR1 mutation in genome-edited breast cancer cell models. <i>Breast Cancer Research</i> , 2017, 19, 60.	5.0	116
17	Individualized Molecular Analyses Guide Efforts (IMAGE): A Prospective Study of Molecular Profiling of Tissue and Blood in Metastatic Triple-Negative Breast Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 379-386.	7.0	50
18	ERpS294 is a biomarker of ligand or mutational ER α activation and a breast cancer target for CDK2 inhibition. <i>Oncotarget</i> , 2017, 8, 83432-83445.	1.8	11

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19	Detection fidelity of AR mutations in plasma derived cell-free DNA. <i>Oncotarget</i> , 2017, 8, 15651-15662.	1.8	20
20	Highly personalized detection of minimal Ewing sarcoma disease burden from plasma tumor DNA. <i>Cancer</i> , 2016, 122, 3015-3023.	4.1	60
21	A Polycythemia Vera JAK2 Mutation Masquerading as a Duodenal Cancer Mutation. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2016, 14, 1495-1498.	4.9	12
22	ESR1 Mutations in Circulating Plasma Tumor DNA from Metastatic Breast Cancer Patients. <i>Clinical Cancer Research</i> , 2016, 22, 993-999.	7.0	152
23	Ki-67 is required for maintenance of cancer stem cells but not cell proliferation. <i>Oncotarget</i> , 2016, 7, 6281-6293.	1.8	76
24	A phosphoproteomic screen demonstrates differential dependence on HER3 for MAP kinase pathway activation by distinct PIK3CA mutations. <i>Proteomics</i> , 2015, 15, 318-326.	2.2	13
25	Comparison of cell stabilizing blood collection tubes for circulating plasma tumor DNA. <i>Clinical Biochemistry</i> , 2015, 48, 993-998.	1.9	91
26	HER2 missense mutations have distinct effects on oncogenic signaling and migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6205-14.	7.1	69
27	NDRG1 links p53 with proliferation-mediated centrosome homeostasis and genome stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11583-11588.	7.1	21
28	Functional isogenic modeling of BRCA1 alleles reveals distinct carrier phenotypes. <i>Oncotarget</i> , 2015, 6, 25240-25251.	1.8	9
29	TMSB4Y is a candidate tumor suppressor on the Y chromosome and is deleted in male breast cancer. <i>Oncotarget</i> , 2015, 6, 44927-44940.	1.8	34
30	Detection of Cancer DNA in Plasma of Patients with Early-Stage Breast Cancer. <i>Clinical Cancer Research</i> , 2014, 20, 2643-2650.	7.0	341
31	Analysis of BRCA2 loss of heterozygosity in tumor tissue using droplet digital polymerase chain reaction. <i>Human Pathology</i> , 2014, 45, 1546-1550.	2.0	12
32	Chemotherapy targeting by DNA capture in viral protein particles. <i>Nanomedicine</i> , 2012, 7, 335-352.	3.3	14
33	Cysteines in the Stalk of the Nipah Virus G Glycoprotein Are Located in a Distinct Subdomain Critical for Fusion Activation. <i>Journal of Virology</i> , 2012, 86, 6632-6642.	3.4	49
34	Photoexcitation of tumor-targeted corroles induces singlet oxygen-mediated augmentation of cytotoxicity. <i>Journal of Controlled Release</i> , 2012, 163, 368-373.	9.9	54
35	Multimodality Imaging In Vivo for Preclinical Assessment of Tumor-Targeted Doxorubicin Nanoparticles. <i>PLoS ONE</i> , 2012, 7, e34463.	2.5	26
36	A Mechanistic Study of Tumor-Targeted Corrole Toxicity. <i>Molecular Pharmaceutics</i> , 2011, 8, 2233-2243.	4.6	57

#	ARTICLE	IF	CITATIONS
37	Investigating the photosensitizer-potential of targeted gallium corrole using multimode optical imaging. Proceedings of SPIE, 2011, 7886, .	0.8	5
38	Single Amino Acid Changes in the Nipah and Hendra Virus Attachment Glycoproteins Distinguish EphrinB2 from EphrinB3 Usage. Journal of Virology, 2007, 81, 10804-10814.	3.4	91