

Amit Dutt

List of Publications by Year in descending order

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74
papers

8,089
citations

147801

31
h-index

79698

73
g-index

88
all docs

88
docs citations

88
times ranked

13118
citing authors

#	ARTICLE	IF	CITATIONS
1	Somatic mutations affect key pathways in lung adenocarcinoma. <i>Nature</i> , 2008, 455, 1069-1075.	27.8	2,694
2	High-throughput oncogene mutation profiling in human cancer. <i>Nature Genetics</i> , 2007, 39, 347-351.	21.4	927
3	SOX2 is an amplified lineage-survival oncogene in lung and esophageal squamous cell carcinomas. <i>Nature Genetics</i> , 2009, 41, 1238-1242.	21.4	862
4	Mutations in the <i>DDR2</i> Kinase Gene Identify a Novel Therapeutic Target in Squamous Cell Lung Cancer. <i>Cancer Discovery</i> , 2011, 1, 78-89.	9.4	455
5	Inhibitor-Sensitive FGFR1 Amplification in Human Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2011, 6, e20351.	2.5	338
6	Drug-sensitive FGFR2 mutations in endometrial carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8713-8717.	7.1	329
7	Gefitinib Versus Gefitinib Plus Pemetrexed and Carboplatin Chemotherapy in EGFR-Mutated Lung Cancer. <i>Journal of Clinical Oncology</i> , 2020, 38, 124-136.	1.6	295
8	Integrated genomic profiling of endometrial carcinoma associates aggressive tumors with indicators of PI3 kinase activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4834-4839.	7.1	273
9	A Structure-Guided Approach to Creating Covalent FGFR Inhibitors. <i>Chemistry and Biology</i> , 2010, 17, 285-295.	6.0	127
10	Actionable Activating Oncogenic ERBB2/HER2 Transmembrane and Juxtamembrane Domain Mutations. <i>Cancer Cell</i> , 2018, 34, 792-806.e5.	16.8	102
11	Frequency of EGFR Mutations in 907 Lung Adenocarcinoma Patients of Indian Ethnicity. <i>PLoS ONE</i> , 2013, 8, e76164.	2.5	94
12	MYOD1 (L122R) mutations are associated with spindle cell and sclerosing rhabdomyosarcomas with aggressive clinical outcomes. <i>Modern Pathology</i> , 2016, 29, 1532-1540.	5.5	93
13	Single nucleotide polymorphism array analysis of cancer. <i>Current Opinion in Oncology</i> , 2007, 19, 43-49.	2.4	92
14	Circulating nucleic acids damage DNA of healthy cells by integrating into their genomes. <i>Journal of Biosciences</i> , 2015, 40, 91-111.	1.1	85
15	Amplification of chromosomal segment 4q12 in non-small cell lung cancer. <i>Cancer Biology and Therapy</i> , 2009, 8, 2042-2050.	3.4	78
16	Glioblastoma-Derived Epidermal Growth Factor Receptor Carboxyl-Terminal Deletion Mutants Are Transforming and Are Sensitive to EGFR-Directed Therapies. <i>Cancer Research</i> , 2011, 71, 7587-7596.	0.9	70
17	NGS-based approach to determine the presence of HPV and their sites of integration in human cancer genome. <i>British Journal of Cancer</i> , 2015, 112, 1958-1965.	6.4	62
18	A genetic model for gallbladder carcinogenesis and its dissemination. <i>Annals of Oncology</i> , 2014, 25, 1086-1097.	1.2	61

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19	EGFR Mutations in Indian Lung Cancer Patients: Clinical Correlation and Outcome to EGFR Targeted Therapy. PLoS ONE, 2013, 8, e61561.	2.5	61
20	EGF Signal Propagation during C. elegans Vulval Development Mediated by ROM-1 Rhomboid. PLoS Biology, 2004, 2, e334.	5.6	52
21	Cell-free chromatin from dying cancer cells integrate into genomes of bystander healthy cells to induce DNA damage and inflammation. Cell Death Discovery, 2017, 3, 17015.	4.7	47
22	A study on p53 gene alterations in esophageal squamous cell carcinoma and their correlation to common dietary risk factors among population of the Kashmir valley. World Journal of Gastroenterology, 2006, 12, 4033.	3.3	44
23	Genomic characterization of tobacco/nut chewing HPV-negative early stage tongue tumors identify MMP10 as a candidate to predict metastases. Oral Oncology, 2017, 73, 56-64.	1.5	43
24	Raman spectroscopy-based detection of RNA viruses in saliva: A preliminary report. Journal of Biophotonics, 2020, 13, e202000189.	2.3	43
25	Non-typhoidal Salmonella DNA traces in gallbladder cancer. Infectious Agents and Cancer, 2016, 11, 12.	2.6	42
26	Mouse Models of Lung Cancer. Clinical Cancer Research, 2006, 12, 4396s-4402s.	7.0	41
27	Notch pathway activation is essential for maintenance of stem-like cells in early tongue cancer. Oncotarget, 2016, 7, 50437-50449.	1.8	40
28	Validation of liquid biopsy: plasma cell-free DNA testing in clinical management of advanced non-small cell lung cancer. Lung Cancer: Targets and Therapy, 2018, Volume 9, 1-11.	2.7	38
29	Coexistence of KRAS mutation with mutant but not wild-type EGFR predicts response to tyrosine-kinase inhibitors in human lung cancer. British Journal of Cancer, 2014, 111, 2203-2204.	6.4	37
30	A preliminary investigation demonstrating the effect of quercetin on the expression of genes related to cell-cycle arrest, apoptosis and xenobiotic metabolism in human CO115 colon-adenocarcinoma cells using DNA microarray. Biotechnology and Applied Biochemistry, 2006, 45, 29.	3.1	36
31	Drug-sensitive FGFR3 mutations in lung adenocarcinoma. Annals of Oncology, 2017, 28, 597-603.	1.2	36
32	ERBB2 and KRAS alterations mediate response to EGFR inhibitors in early stage gallbladder cancer. International Journal of Cancer, 2019, 144, 2008-2019.	5.1	32
33	Somatic mutations are present in all members of the AKT family in endometrial carcinoma. British Journal of Cancer, 2009, 101, 1218-1219.	6.4	31
34	Epidermal growth factor receptor exon 20 mutation in lung cancer: types, incidence, clinical features and impact on treatment. OncoTargets and Therapy, 2017, Volume 10, 2903-2908.	2.0	29
35	A one-step, one-tube real-time RT-PCR based assay with an automated analysis for detection of SARS-CoV-2. Heliyon, 2020, 6, e04405.	3.2	27
36	Up-regulation of the kinase gene SGK1 by progesterone activates the AP-1/NDRG1 axis in both PR-positive and -negative breast cancer cells. Journal of Biological Chemistry, 2018, 293, 19263-19276.	3.4	26

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37	Metabolic rewiring in drug resistant cells exhibit higher OXPHOS and fatty acids as preferred major source to cellular energetics. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148300.	1.0	24
38	Epidermal growth factor receptor mutation subtypes and geographical distribution among Indian non-small cell lung cancer patients. <i>Indian Journal of Cancer</i> , 2013, 50, 107.	0.2	23
39	Unique spectral markers discern recurrent Glioblastoma cells from heterogeneous parent population. <i>Scientific Reports</i> , 2016, 6, 26538.	3.3	22
40	Inhibition of SETMARâ€“H3K36me2â€“NHEJ repair axis in residual disease cells prevents glioblastoma recurrence. <i>Neuro-Oncology</i> , 2020, 22, 1785-1796.	1.2	22
41	Analysis of solid tumor mutation profiles in liquid biopsy. <i>Cancer Medicine</i> , 2018, 7, 5439-5447.	2.8	21
42	Impact of intra-tumoral IL17A and IL32 gene expression on T-cell responses and lymph node status in breast cancer patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1745-1756.	2.5	20
43	<i>miR-129-2</i> mediates down-regulation of progesterone receptor in response to progesterone in breast cancer cells. <i>Cancer Biology and Therapy</i> , 2017, 18, 801-805.	3.4	18
44	Progesterone suppresses the invasion and migration of breast cancer cells irrespective of their progesterone receptor status - a short report. <i>Cellular Oncology (Dordrecht)</i> , 2017, 40, 411-417.	4.4	18
45	An integrated approach to determine the abundance, mutation rate and phylogeny of the SARS-CoV-2 genome. <i>Briefings in Bioinformatics</i> , 2021, 22, 1065-1075.	6.5	18
46	Relationship Between the Persistence of mer Operon Sequences in Escherichia coli and Their Resistance to Mercury. <i>Current Microbiology</i> , 2002, 44, 178-183.	2.2	15
47	<i>Fusobacterium nucleatum</i> is associated with inflammation and poor survival in early-stage HPV-negative tongue cancer. <i>NAR Cancer</i> , 2022, 4, zcac006.	3.1	14
48	TMC-SNPdb: an Indian germline variant database derived from whole exome sequences. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw104.	3.0	13
49	Molecular characterization of lung squamous cell carcinoma tumors reveals therapeutically relevant alterations. <i>Oncotarget</i> , 2021, 12, 578-588.	1.8	13
50	Impact of Molecular Tumor Board on the Clinical Management of Patients With Cancer. <i>JCO Global Oncology</i> , 2022, , .	1.8	10
51	Integrated genomics approach to identify biologically relevant alterations in fewer samples. <i>BMC Genomics</i> , 2015, 16, 936.	2.8	9
52	Pre-operative progesterone benefits operable breast cancer patients by modulating surgical stress. <i>Breast Cancer Research and Treatment</i> , 2018, 170, 431-438.	2.5	9
53	Enhanced proteasomal activity is essential for long term survival and recurrence of innately radiation resistant residual glioblastoma cells. <i>Oncotarget</i> , 2018, 9, 27667-27681.	1.8	9
54	Merkel cell polyomavirus is implicated in a subset of Merkel cell carcinomas, in the Indian subcontinent. <i>Microbial Pathogenesis</i> , 2019, 137, 103778.	2.9	7

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55	Molecular Cloning and Genetic Analysis of Functional merB Gene from Indian Isolates of Escherichia coli. Current Microbiology, 2005, 51, 297-302.	2.2	6
56	Gallbladder cancer: A journey of a thousand steps. Future Oncology, 2018, 14, 1299-1306.	2.4	6
57	The cancer-associated, gain-of-function TP53 variant P152Lp53 activates multiple signaling pathways implicated in tumorigenesis. Journal of Biological Chemistry, 2019, 294, 14081-14095.	3.4	5
58	A phase II randomized control trial of erlotinib in combination with celecoxib in patients with operable oral squamous cell carcinoma (OSCC): Erlotinib Study. Journal of Clinical Oncology, 2019, 37, 6054-6054.	1.6	4
59	Feasibility of molecular testing in a multicenter study with geographical variation in India: Epidermal growth factor receptor mutation as a model molecular test. Asian Journal of Oncology, 2017, 03, 039-044.	0.2	3
60	Chromatin protein PC4 is downregulated in breast cancer to promote disease progression: Implications of miR-29a. Oncotarget, 2019, 10, 6855-6869.	1.8	3
61	Identifying cancer driver genes from functional genomics screens. Swiss Medical Weekly, 2020, 150, w20195.	1.6	3
62	Osimertinib for lung cancer cells harboring low-frequency EGFR T790M mutation. Translational Oncology, 2022, 22, 101461.	3.7	3
63	Weekly osimertinib dosing prevents EGFR mutant tumor cells destined to home mouse lungs. Translational Oncology, 2021, 14, 101111.	3.7	2
64	The fight against cancer: Is it worthwhile?. Indian Journal of Medical and Paediatric Oncology, 2015, 36, 85-86.	0.2	2
65	CRE: a cost effective and rapid approach for PCR-mediated concatenation of KRAS and EGFR exons. F1000Research, 2015, 4, 160.	1.6	2
66	CRE: a cost effective and rapid approach for PCR-mediated concatenation of KRAS and EGFR exons. F1000Research, 2015, 4, 160.	1.6	2
67	To improve outcomes of gallbladder cancer we need to better understand it!. Hepatobiliary Surgery and Nutrition, 2016, 5, 379-381.	1.5	1
68	CytoPred: 7-gene pair metric for AML cytogenetic risk prediction. Briefings in Bioinformatics, 2018, , .	6.5	1
69	IPD 2.0: To derive insights from an evolving SARS-CoV-2 genome. BMC Bioinformatics, 2021, 22, 247.	2.6	1
70	Abstract 4524: The effect of acute intraoperative hypoxia in breast cancer. Cancer Research, 2017, 77, 4524-4524.	0.9	1
71	OUP accepted manuscript. Database: the Journal of Biological Databases and Curation, 2022, 2022, .	3.0	1
72	Abstract 5845: Identification of proteasome pathway and a novel serine threonine kinase DCLK3: Potential therapeutic targets for innately radiation resistant glioblastoma cells. , 2017, , .		0

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73	Abstract 4397: Deciphering the diversity of somatic alterations and Salmonella infection in gallbladder cancer by whole exome sequencing. , 2017, , .		0
74	Abstract P3-05-01: Molecular effects of surgical resection on primary breast tumor. , 2020, , .		0