

Mitsuo Sato

List of Publications by Year in descending order

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87
papers

6,494
citations

109321
35
h-index

74163
75
g-index

87
all docs

87
docs citations

87
times ranked

9845
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the cancer genome in lung adenocarcinoma. <i>Nature</i> , 2007, 450, 893-898.	27.8	1,020
2	Immortalization of Human Bronchial Epithelial Cells in the Absence of Viral Oncoproteins. <i>Cancer Research</i> , 2004, 64, 9027-9034.	0.9	573
3	<i>PIK3CA</i> Mutations and Copy Number Gains in Human Lung Cancers. <i>Cancer Research</i> , 2008, 68, 6913-6921.	0.9	399
4	A Translational View of the Molecular Pathogenesis of Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2007, 2, 327-343.	1.1	274
5	ZEB1 drives epithelial-to-mesenchymal transition in lung cancer. <i>Journal of Clinical Investigation</i> , 2016, 126, 3219-3235.	8.2	256
6	Multiple Oncogenic Changes (<i>K-RAS</i> , p53 Knockdown, Mutant EGFRs, p16 Bypass,) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5 Cells. <i>Cancer Research</i> , 2006, 66, 2116-2128.	0.9	247
7	A Genome-Wide Screen for Promoter Methylation in Lung Cancer Identifies Novel Methylation Markers for Multiple Malignancies. <i>PLoS Medicine</i> , 2006, 3, e486.	8.4	228
8	Non-Small Cell Lung Cancers with Kinase Domain Mutations in the Epidermal Growth Factor Receptor Are Sensitive to Ionizing Radiation. <i>Cancer Research</i> , 2006, 66, 9601-9608.	0.9	207
9	Genomic profiling identifies TTF1 as a lineage-specific oncogene amplified in lung cancer. <i>Oncogene</i> , 2008, 27, 3635-3640.	5.9	202
10	Human Lung Epithelial Cells Progressed to Malignancy through Specific Oncogenic Manipulations. <i>Molecular Cancer Research</i> , 2013, 11, 638-650.	3.4	192
11	Different Roles for Caveolin-1 in the Development of Non-Small Cell Lung Cancer <i>versus</i> Small Cell Lung Cancer. <i>Cancer Research</i> , 2004, 64, 4277-4285.	0.9	168
12	High Expression of Ligands for Chemokine Receptor CXCR2 in Alveolar Epithelial Neoplasia Induced by Oncogenic Kras. <i>Cancer Research</i> , 2006, 66, 4198-4207.	0.9	151
13	Knockdown of Oncogenic KRAS in Non-Small Cell Lung Cancers Suppresses Tumor Growth and Sensitizes Tumor Cells to Targeted Therapy. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 336-346.	4.1	151
14	EGFR-TKI Resistance Due to <i>BIM</i> Polymorphism Can Be Circumvented in Combination with HDAC Inhibition. <i>Cancer Research</i> , 2013, 73, 2428-2434.	0.9	151
15	Somatic Mutations in the Tyrosine Kinase Domain of Epidermal Growth Factor Receptor (EGFR) Abrogate EGFR-Mediated Radioprotection in Non-Small Cell Lung Carcinoma. <i>Cancer Research</i> , 2007, 67, 5267-5274.	0.9	150
16	High Expression of ErbB Family Members and Their Ligands in Lung Adenocarcinomas That Are Sensitive to Inhibition of Epidermal Growth Factor Receptor. <i>Cancer Research</i> , 2005, 65, 11478-11485.	0.9	135
17	Knockdown of ZEB1, a master epithelial-to-mesenchymal transition (EMT) gene, suppresses anchorage-independent cell growth of lung cancer cells. <i>Cancer Letters</i> , 2010, 296, 216-224.	7.2	133
18	Comparisons of tyrosine phosphorylated proteins in cells expressing lung cancer-specific alleles of EGFR and KRAS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14112-14117.	7.1	113

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19	<i>Pten</i> Inactivation Accelerates Oncogenic <i>K-ras</i> -Initiated Tumorigenesis in a Mouse Model of Lung Cancer. <i>Cancer Research</i> , 2008, 68, 1119-1127.	0.9	111
20	Genetic alteration of the β -catenin gene (CTNNB1) in human lung cancer and malignant mesothelioma and identification of a new 3p21.3 homozygous deletion. <i>Oncogene</i> , 2001, 20, 4249-4257.	5.9	104
21	EGFR-T790M Is a Rare Lung Cancer Susceptibility Allele with Enhanced Kinase Activity. <i>Cancer Research</i> , 2007, 67, 4665-4670.	0.9	92
22	NeuroD1 regulates survival and migration of neuroendocrine lung carcinomas via signaling molecules TrkB and NCAM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6524-6529.	7.1	84
23	Emerging evidence of epithelial-mesenchymal transition in lung carcinogenesis. <i>Respirology</i> , 2012, 17, 1048-1059.	2.3	83
24	The expression of DNA methyltransferases and methyl-CpG-binding proteins is not associated with the methylation status of p14ARF, p16INK4a and RASSF1A in human lung cancer cell lines. <i>Oncogene</i> , 2002, 21, 4822-4829.	5.9	81
25	Oncogenic KRAS-induced interleukin-8 overexpression promotes cell growth and migration and contributes to aggressive phenotypes of non-small cell lung cancer. <i>International Journal of Cancer</i> , 2012, 130, 1733-1744.	5.1	80
26	Protective effects of intratracheally administered quercetin on lipopolysaccharide-induced acute lung injury. <i>Respiratory Research</i> , 2014, 15, 150.	3.6	76
27	Increased expression and no mutation of the Flap endonuclease (FEN1) gene in human lung cancer. <i>Oncogene</i> , 2003, 22, 7243-7246.	5.9	64
28	The circadian clock gene <i>BMAL1</i> is a novel therapeutic target for malignant pleural mesothelioma. <i>International Journal of Cancer</i> , 2012, 131, 2820-2831.	5.1	62
29	Growth inhibitory effects of miR-221 and miR-222 in non-small cell lung cancer cells. <i>Cancer Medicine</i> , 2015, 4, 551-564.	2.8	62
30	Regulation of PD-L1 expression by matrix stiffness in lung cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 2344-2349.	2.1	62
31	Infrequent Mutation of the BUB1 and BUBR1 Genes in Human Lung Cancer. <i>Japanese Journal of Cancer Research</i> , 2000, 91, 504-509.	1.7	61
32	Oncogenic KRAS-induced epiregulin overexpression contributes to aggressive phenotype and is a promising therapeutic target in non-small-cell lung cancer. <i>Oncogene</i> , 2013, 32, 4034-4042.	5.9	59
33	<i>TIMELESS</i> is overexpressed in lung cancer and its expression correlates with poor patient survival. <i>Cancer Science</i> , 2013, 104, 171-177.	3.9	57
34	STIM1 Regulates Platelet-Derived Growth Factor-Induced Migration and Ca ²⁺ Influx in Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2012, 7, e45056.	2.5	43
35	Epidermal Growth Factor Receptors with Tyrosine Kinase Domain Mutations Exhibit Reduced Cbl Association, Poor Ubiquitylation, and Down-regulation but Are Efficiently Internalized. <i>Cancer Research</i> , 2007, 67, 7695-7702.	0.9	39
36	Factors Affecting the Diagnostic Yield of Transbronchial Biopsy Using Endobronchial Ultrasonography with a Guide Sheath in Peripheral Lung Cancer. <i>Internal Medicine</i> , 2016, 55, 1705-1712.	0.7	38

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37	Silencing of HPV 18 Oncoproteins With RNA Interference Causes Growth Inhibition of Cervical Cancer Cells. <i>Reproductive Sciences</i> , 2007, 14, 20-28.	2.5	37
38	EGFR Signaling Is Required for TGF- β 1-Mediated COX-2 Induction in Human Bronchial Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 37, 578-588.	2.9	35
39	Involvement of the transcription factor twist in phenotype alteration through epithelial-mesenchymal transition in lung cancer cells. <i>Molecular Carcinogenesis</i> , 2012, 51, 400-410.	2.7	34
40	Pivotal role of epithelial cell adhesion molecule in the survival of lung cancer cells. <i>Cancer Science</i> , 2011, 102, 1493-1500.	3.9	24
41	Establishment of a large cell lung cancer cell line (Y-ML-1B) producing granulocyte colony-stimulating factor. <i>Cancer Genetics and Cytogenetics</i> , 2002, 137, 33-42.	1.0	21
42	Echoic Features of Lymph Nodes with Sarcoidosis Determined by Endobronchial Ultrasound. <i>Internal Medicine</i> , 2013, 52, 1473-1478.	0.7	21
43	Prospective analysis of efficacy and safety of an individualized-midazolam-dosing protocol for sedation during prolonged bronchoscopy. <i>Respiratory Investigation</i> , 2014, 52, 153-159.	1.8	21
44	Potential for afatinib as an optimal treatment for advanced non-small cell lung carcinoma in patients with uncommon EGFR mutations. <i>Lung Cancer</i> , 2019, 127, 169-171.	2.0	21
45	Potential Benefits of Bevacizumab Combined With Platinum-Based Chemotherapy in Advanced Non-Small-Cell Lung Cancer Patients With EGFR Mutation. <i>Clinical Lung Cancer</i> , 2020, 21, 273-280.e4.	2.6	21
46	$\text{eIF}2$, a subunit of translation initiation factor $\text{eIF}2$, is a potential therapeutic target for non-small cell lung cancer. <i>Cancer Science</i> , 2018, 109, 1843-1852.	3.9	20
47	Identification of proteasomal catalytic subunit PSMA6 as a therapeutic target for lung cancer. <i>Cancer Science</i> , 2017, 108, 732-743.	3.9	18
48	Endobronchial ultrasound transbronchial needle aspiration in older people. <i>Geriatrics and Gerontology International</i> , 2013, 13, 986-992.	1.5	17
49	Clinical efficacy of osimertinib in EGFR-mutant non-small cell lung cancer with distant metastasis. <i>BMC Cancer</i> , 2022, 22, .	2.6	17
50	The 3p21 candidate tumor suppressor gene BAF180 is normally expressed in human lung cancer. <i>Oncogene</i> , 2005, 24, 2735-2738.	5.9	16
51	Immortalized normal human lung epithelial cell models for studying lung cancer biology. <i>Respiratory Investigation</i> , 2020, 58, 344-354.	1.8	15
52	A 65-nm CMOS Fully Integrated Analysis Platform Using an On-Chip Vector Network Analyzer and a Transmission-Line-Based Detection Window for Analyzing Circulating Tumor Cell and Exosome. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019, 13, 470-479.	4.0	13
53	Phase I/II and pharmacologic study of irinotecan and carboplatin for patients with lung cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2001, 48, 481-487.	2.3	12
54	Nuclear Receptor Expression and Function in Human Lung Cancer Pathogenesis. <i>PLoS ONE</i> , 2015, 10, e0134842.	2.5	12

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55	Aqueous fraction of <i>Sauropus androgynus</i> might be responsible for bronchiolitis obliterans. <i>Respirology</i> , 2013, 18, 340-347.	2.3	9
56	Pleural Plaque Profiles on the Chest Radiographs and CT Scans of Asbestos-exposed Japanese Construction Workers. <i>Industrial Health</i> , 2011, 49, 626-633.	1.0	9
57	An <i>EGFR</i> -mutated Lung Adenocarcinoma Undergoing Squamous Cell Carcinoma Transformation Exhibited a Durable Response to Afatinib. <i>Internal Medicine</i> , 2018, 57, 3429-3432.	0.7	8
58	Optimization and validation of a highly sensitive method for determining glyphosate in human urine by solid-phase extraction and liquid chromatography with tandem mass spectrometry: a methodological study. <i>Environmental Health and Preventive Medicine</i> , 2020, 25, 83.	3.4	8
59	Efficacies of programmed cell death 1 ligand 1 blockade in non-small cell lung cancer patients with acquired resistance to prior programmed cell death 1 inhibitor and development of diabetic ketoacidosis caused by two different etiologies: a retrospective case series. <i>Endocrine Journal</i> , 2021, 68, 613-620.	1.6	8
60	Hurdles for the wide implementation of photoimmunotherapy. <i>Immunotherapy</i> , 2021, 13, 1427-1438.	2.0	8
61	Phenotypic screening using large-scale genomic libraries to identify drug targets for the treatment of cancer (Review). <i>Oncology Letters</i> , 2020, 19, 3617-3626.	1.8	7
62	Near-Infrared Photoimmunotherapy for Thoracic Cancers: A Translational Perspective. <i>Biomedicines</i> , 2022, 10, 1662.	3.2	7
63	Transient but Not Stable ZEB1 Knockdown Dramatically Inhibits Growth of Malignant Pleural Mesothelioma Cells. <i>Annals of Surgical Oncology</i> , 2012, 19, 634-645.	1.5	6
64	Exploration of germline variants responsible for adverse events of crizotinib in anaplastic lymphoma kinase-positive non-small cell lung cancer by target-gene panel sequencing. <i>Lung Cancer</i> , 2019, 128, 20-25.	2.0	6
65	Capsaicinoids Regulate Airway Anion Transporters through Rho Kinase- and Cyclic AMP-Dependent Mechanisms. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 684-691.	2.9	5
66	Oxytocin receptor is a promising therapeutic target of malignant mesothelioma. <i>Cancer Science</i> , 2021, 112, 3520-3532.	3.9	5
67	Pulmonary Cryptococcosis with a Solitary Focal Ground-glass Opacity on High-resolution Computed Tomography. <i>Internal Medicine</i> , 2004, 43, 117-119.	0.7	4
68	Nongenomic Effects of Fluticasone Propionate and Budesonide on Human Airway Anion Secretion. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 645-651.	2.9	4
69	<i>UHRF1</i> , a Regulator of Methylation, as a Diagnostic and Prognostic Marker for Lung Cancer. <i>Cancer Investigation</i> , 2020, 38, 240-249.	1.3	4
70	Pseudomembranous Invasive Tracheobronchial Aspergillosis with Fulminant Hepatitis and Hemophagocytic Syndrome. <i>Internal Medicine</i> , 2018, 57, 2371-2375.	0.7	3
71	Safety and efficacy of diagnostic flexible bronchoscopy in very old patients with lung cancer. <i>European Geriatric Medicine</i> , 2018, 9, 255-262.	2.8	3
72	Development of an immuno-wall device for the rapid and sensitive detection of EGFR mutations in tumor tissues resected from lung cancer patients. <i>PLoS ONE</i> , 2020, 15, e0241422.	2.5	3

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73	M10-04: Telomerase immortalized human bronchial epithelial cells (HBECs) have stem cell characteristics. Journal of Thoracic Oncology, 2007, 2, S181-S182.	1.1	1
74	miRNAs in Transitions. , 2015, , 893-915.		1
75	Primary Prophylaxis Indication for Docetaxel Induced Febrile Neutropenia in Elderly Patients with Non-Small Cell Lung Cancer. Cancer Investigation, 2020, 38, 424-430.	1.3	1
76	Resistance to mutant KRAS-induced senescence in an hTERT/Cdk4-immortalized normal human bronchial epithelial cell line. Experimental Cell Research, 2022, 414, 113053.	2.6	1
77	Specific copy number changes as potential predictive markers for adjuvant chemotherapy in non-small cell lung cancer. Translational Lung Cancer Research, 2018, 7, S346-S348.	2.8	0
78	Lung Metastases from Bile Duct Adenocarcinoma Mimicking Chronic Airway Infection and Causing Diagnostic Difficulty. Internal Medicine, 2018, 57, 1429-1432.	0.7	0
79	Pulmonary Malignancies (1): Lung Cancer”What Are the Roles of Genetic Factors in Lung Cancer Pathogenesis?. Respiratory Disease Series, 2018, , 193-206.	0.0	0
80	Chemotherapy induced changes to fibrin clots properties in lung cancer: is it favorable?. Journal of Thoracic Disease, 2019, 11, S1126-S1128.	1.4	0
81	Molecular Basis of Lung Cancer. , 2008, , 397-407.		0
82	Successful Desensitization Therapy with Crizotinib for Disease-recurrence of Resected Lung Adenocarcinoma. Japanese Journal of Lung Cancer, 2016, 56, 215-218.	0.1	0
83	Risk factors for pulmonary infection after diagnostic bronchoscopy in patients with lung cancer. Nagoya Journal of Medical Science, 2020, 82, 69-77.	0.3	0
84	Title is missing!. , 2020, 15, e0241422.		0
85	Title is missing!. , 2020, 15, e0241422.		0
86	Title is missing!. , 2020, 15, e0241422.		0
87	Title is missing!. , 2020, 15, e0241422.		0