

Yu-Chan Chang

List of Publications by Year in descending order

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75
papers

1,469
citations

304368

22
h-index

377514

34
g-index

79
all docs

79
docs citations

79
times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of Aldolase Family Genes in Human Cancers and Diseases. Trends in Endocrinology and Metabolism, 2018, 29, 549-559.	3.1	93
2	An annotation-free whole-slide training approach to pathological classification of lung cancer types using deep learning. Nature Communications, 2021, 12, 1193.	5.8	85
3	Feedback regulation of ALDOA activates the HIF-1 α /MMP9 axis to promote lung cancer progression. Cancer Letters, 2017, 403, 28-36.	3.2	81
4	Secretory RAB GTPase 3C modulates IL6-STAT3 pathway to promote colon cancer metastasis and is associated with poor prognosis. Molecular Cancer, 2017, 16, 135.	7.9	59
5	Nuclear translocation of PKM2/AMPK complex sustains cancer stem cell populations under glucose restriction stress. Cancer Letters, 2018, 421, 28-40.	3.2	57
6	Therapeutic Targeting of Aldolase A Interactions Inhibits Lung Cancer Metastasis and Prolongs Survival. Cancer Research, 2019, 79, 4754-4766.	0.4	56
7	Follistatin-like Protein 1 Inhibits Lung Cancer Metastasis by Preventing Proteolytic Activation of Osteopontin. Cancer Research, 2019, 79, 6113-6125.	0.4	52
8	Squalene Synthase Induces Tumor Necrosis Factor Receptor 1 Enrichment in Lipid Rafts to Promote Lung Cancer Metastasis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 675-687.	2.5	49
9	Dysregulation of RUNX2/Activin-A Axis upon miR-376c Downregulation Promotes Lymph Node Metastasis in Head and Neck Squamous Cell Carcinoma. Cancer Research, 2016, 76, 7140-7150.	0.4	47
10	AKR1C1 controls cisplatin-resistance in head and neck squamous cell carcinoma through cross-talk with the STAT1/3 signaling pathway. Journal of Experimental and Clinical Cancer Research, 2019, 38, 245.	3.5	47
11	The nucleolar protein NIFK promotes cancer progression via CK1 α / β -catenin in metastasis and Ki-67-dependent cell proliferation. ELife, 2016, 5, .	2.8	44
12	MMP2-sensing up-conversion nanoparticle for fluorescence biosensing in head and neck cancer cells. Biosensors and Bioelectronics, 2016, 80, 131-139.	5.3	42
13	An Advanced <i>In Situ</i> Magnetic Resonance Imaging and Ultrasonic Theranostics Nanocomposite Platform: Crossing the Blood-Brain Barrier and Improving the Suppression of Glioblastoma Using Iron-Platinum Nanoparticles in Nanobubbles. ACS Applied Materials & Interfaces, 2021, 13, 26759-26769.	4.0	42
14	Glucose transporter 4 promotes head and neck squamous cell carcinoma metastasis through the TRIM24-DDX58 axis. Journal of Hematology and Oncology, 2017, 10, 11.	6.9	41
15	MTAP is an independent prognosis marker and the concordant loss of MTAP and p16 expression predicts short survival in non-small cell lung cancer patients. European Journal of Surgical Oncology, 2014, 40, 1143-1150.	0.5	40
16	Parathyroid Hormone-Like Hormone is a Poor Prognosis Marker of Head and Neck Cancer and Promotes Cell Growth via RUNX2 Regulation. Scientific Reports, 2017, 7, 41131.	1.6	37
17	The Diverse Roles of TAO Kinases in Health and Diseases. International Journal of Molecular Sciences, 2020, 21, 7463.	1.8	35
18	<i>PRKDC</i> : new biomarker and drug target for checkpoint blockade immunotherapy. , 2020, 8, e000485.		32

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19	Leptin signaling axis specifically associates with clinical prognosis and is multifunctional in regulating cancer progression. <i>Oncotarget</i> , 2018, 9, 17210-17219.	0.8	30
20	Overexpression of PSAT1 promotes metastasis of lung adenocarcinoma by suppressing the IRF1-IFN β axis. <i>Oncogene</i> , 2020, 39, 2509-2522.	2.6	30
21	Squalene synthase promotes the invasion of lung cancer cells via the osteopontin/ERK pathway. <i>Oncogenesis</i> , 2020, 9, 78.	2.1	28
22	The opposite prognostic effect of NDUFS1 and NDUFS8 in lung cancer reflects the oncojanus role of mitochondrial complex I. <i>Scientific Reports</i> , 2016, 6, 31357.	1.6	27
23	Ambient particulate matter attenuates Sirtuin1 and augments SREBP1-PIR axis to induce human pulmonary fibroblast inflammation: molecular mechanism of microenvironment associated with COPD. <i>Aging</i> , 2019, 11, 4654-4671.	1.4	26
24	FOXO1 and Gal-3 Form a Positive Regulatory Loop to Regulate Lung Cancer Aggressiveness. <i>Cancers</i> , 2019, 11, 1897.	1.7	25
25	Type V collagen alpha 1 chain promotes the malignancy of glioblastoma through PPRC1-ESM1 axis activation and extracellular matrix remodeling. <i>Cell Death Discovery</i> , 2021, 7, 313.	2.0	22
26	Identification of MALT1 as both a prognostic factor and a potential therapeutic target of regorafenib in cholangiocarcinoma patients. <i>Oncotarget</i> , 2017, 8, 113444-113459.	0.8	19
27	Global Proteomics-based Identification and Validation of Thymosin Beta-4 X-Linked as a Prognostic Marker for Head and Neck Squamous Cell Carcinoma. <i>Scientific Reports</i> , 2017, 7, 9031.	1.6	18
28	A Fas Ligand (FasL)-Fused Humanized Antibody Against Tumor-Associated Glycoprotein 72 Selectively Exhibits the Cytotoxic Effect Against Oral Cancer Cells with a Low FasL/Fas Ratio. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1102-1113.	1.9	17
29	IMPAD1 functions as mitochondrial electron transport inhibitor that prevents ROS production and promotes lung cancer metastasis through the AMPK-Notch1-HEY1 pathway. <i>Cancer Letters</i> , 2020, 485, 27-37.	3.2	17
30	ATP Synthase Subunit Epsilon Overexpression Promotes Metastasis by Modulating AMPK Signaling to Induce Epithelial-to-Mesenchymal Transition and Is a Poor Prognostic Marker in Colorectal Cancer Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 1070.	1.0	16
31	Magnetically guided theranostics: montmorillonite-based iron/platinum nanoparticles for enhancing in situ MRI contrast and hepatocellular carcinoma treatment. <i>Journal of Nanobiotechnology</i> , 2021, 19, 308.	4.2	16
32	Direct interaction of β -catenin with nuclear ESM1 supports stemness of metastatic prostate cancer. <i>EMBO Journal</i> , 2021, 40, e105450.	3.5	16
33	Nonenzymatic function of Aldolase A downregulates miR-145 to promote the Oct4/DUSP4/TRAF4 axis and the acquisition of lung cancer stemness. <i>Cell Death and Disease</i> , 2020, 11, 195.	2.7	15
34	Galectins in Cancer and the Microenvironment: Functional Roles, Therapeutic Developments, and Perspectives. <i>Biomedicines</i> , 2021, 9, 1159.	1.4	15
35	The role of fructose 1,6-bisphosphate-mediated glycolysis/gluconeogenesis genes in cancer prognosis. <i>Aging</i> , 2022, 14, 3233-3258.	1.4	14
36	Exosomal Components and Modulators in Colorectal Cancer: Novel Diagnosis and Prognosis Biomarkers. <i>Biomedicines</i> , 2021, 9, 931.	1.4	12

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37	OncomiR miR-182-5p Enhances Radiosensitivity by Inhibiting the Radiation-Induced Antioxidant Effect through SESN2 in Head and Neck Cancer. <i>Antioxidants</i> , 2021, 10, 1808.	2.2	12
38	Overexpression of BZW1 is an independent poor prognosis marker and its down-regulation suppresses lung adenocarcinoma metastasis. <i>Scientific Reports</i> , 2019, 9, 14624.	1.6	11
39	Enrichment of Aldolase C Correlates with Low Non-Mutated IDH1 Expression and Predicts a Favorable Prognosis in Glioblastomas. <i>Cancers</i> , 2019, 11, 1238.	1.7	11
40	Ghrelin Upregulates Oncogenic Aurora A to Promote Renal Cell Carcinoma Invasion. <i>Cancers</i> , 2019, 11, 303.	1.7	11
41	Molecular Mechanisms of KDELC2 on Glioblastoma Tumorigenesis and Temozolomide Resistance. <i>Biomedicines</i> , 2020, 8, 339.	1.4	11
42	Stationed or Relocating: The Seesawing EMT/MET Determinants from Embryonic Development to Cancer Metastasis. <i>Biomedicines</i> , 2021, 9, 1265.	1.4	10
43	<i>BICD1</i> expression, as a potential biomarker for prognosis and predicting response to therapy in patients with glioblastomas. <i>Oncotarget</i> , 2017, 8, 113766-113791.	0.8	9
44	Metabolic protein phosphoglycerate kinase 1 confers lung cancer migration by directly binding HIV Tat specific factor 1. <i>Cell Death Discovery</i> , 2021, 7, 135.	2.0	9
45	ALDH2 deficiency induces atrial fibrillation through dysregulated cardiac sodium channel and mitochondrial bioenergetics: A multi-omics analysis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166088.	1.8	8
46	UBE2C triggers HIF1 α glycolytic flux in head and neck squamous cell carcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 3716-3725.	1.6	8
47	MART-10 represses cholangiocarcinoma cell growth and high vitamin D receptor expression indicates better prognosis for cholangiocarcinoma. <i>Scientific Reports</i> , 2017, 7, 43773.	1.6	7
48	Current Development and Application of Anaerobic Glycolytic Enzymes in Urothelial Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10612.	1.8	7
49	Novel monodisperse FePt nanocomposites for T2-weighted magnetic resonance imaging: biomedical theranostics applications. <i>Nanoscale Advances</i> , 2022, 4, 377-386.	2.2	7
50	FAS receptor regulates NOTCH activity through ERK-JAG1 axis activation and controls oral cancer stemness ability and pulmonary metastasis. <i>Cell Death Discovery</i> , 2022, 8, 101.	2.0	7
51	Overexpression of TNNI3K is associated with early-stage carcinogenesis of cholangiocarcinoma. <i>Molecular Carcinogenesis</i> , 2019, 58, 270-278.	1.3	6
52	Omics-Based Platforms: Current Status and Potential Use for Cholangiocarcinoma. <i>Biomolecules</i> , 2020, 10, 1377.	1.8	5
53	Aldolase A and Phospholipase D1 Synergistically Resist Alkylating Agents and Radiation in Lung Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 811635.	1.3	5
54	High expression of tight junction protein 1 as a predictive biomarker for bladder cancer grade and staging. <i>Scientific Reports</i> , 2022, 12, 1496.	1.6	4

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55	Regorafenib inhibits epithelial-mesenchymal transition and suppresses cholangiocarcinoma metastasis via YAP1-AREG axis. <i>Cell Death and Disease</i> , 2022, 13, 391.	2.7	4
56	Molecular Research of Glycolysis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5052.	1.8	3
57	Ruxolitinib Combined with Gemcitabine against Cholangiocarcinoma Growth via the JAK2/STAT1/3/ALDH1A3 Pathway. <i>Biomedicines</i> , 2021, 9, 885.	1.4	2
58	Abstract 3365: Aldolase A induces invasion/metastasis of lung cancer through modulating HIF1- β and is a marker for poor clinical outcome. , 2014, , .		2
59	Non-glycolytic Function of Aldolase A Promotes Lung Cancer Metastasis through Down-regulation of PLD2 Enzyme to Activate PLD1. <i>FASEB Journal</i> , 2015, 29, 54.8.	0.2	2
60	Comparison of cofilin-1 and Twist-1 protein expression in human non-small cell lung cancer tissues. <i>Oncology Reports</i> , 2019, 42, 805-816.	1.2	2
61	Particulate Matter Activates SIRT1-SREBP1-PIR Pathway to Promote Pulmonary Fibroblast Inflammation and Enhance Lung Fibrosis. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
62	Therapeutic Targeting of Methylthioadenosine Phosphorylase. <i>Cancer Cell & Microenvironment</i> , 0, , .	0.8	1
63	Abstract B20: Repurposing of fenofibrate to prevent and treat PM-induced pulmonary fibroblast-mediated inflammation: Mechanism involved in SIRT1-SREBP1-PIR/NLRP3 inflammasome axis. <i>Cancer Immunology Research</i> , 2020, 8, B20-B20.	1.6	1
64	Ultrasound and Nanomedicine for Cancer-Targeted Drug Delivery: Screening, Cellular Mechanisms and Therapeutic Opportunities. <i>Pharmaceutics</i> , 2022, 14, 1282.	2.0	1
65	Upregulation of MALT1 is a poor prognostic factor and therapeutic potential of regorafenib in cholangiocarcinoma. <i>Annals of Oncology</i> , 2017, 28, ix106.	0.6	0
66	Correlation of Cofilin-1 and Twist-1 Protein Expression in Human Lung Cancer. , 2021, , 123-140.		0
67	Identification of ALDOA as a new Lung adenocarcinoma predict gene involve cancer metabolism and tumor metastasis. <i>FASEB Journal</i> , 2013, 27, 58.1.	0.2	0
68	Abstract A22: Hypoxia-mediated translational control of hypoxia inducible factor 1 alpha through aldolase A feedback regulation in lung carcinogenesis. , 2017, , .		0
69	Dystrophin Promotes Colorectal Carcinoma Metastasis and Exosome Secretion via Protein-Protein Interaction with Rab GTPase 3C. <i>FASEB Journal</i> , 2019, 33, 496.11.	0.2	0
70	PM2.5 Activates Sirtuin-SREBP1-PIR Axis to Induce Pulmonary Fibroblast Inflammation: A Molecular Mechanism Model of Environmental Factor Induced Lung Fibrosis and COPD. <i>FASEB Journal</i> , 2019, 33, lb361.	0.2	0
71	Translocation and Targeting of PGK1 to HTATSF1 Regulate Cancer Cell Metastatic Ability. <i>FASEB Journal</i> , 2019, 33, 496.12.	0.2	0
72	Overexpression of BICD1 gene as a marker for clinically predicting Temozolomide resistance in Glioblastomas. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0

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73	Novel Tumor Suppressor PMM1 Suppresses Oral Cancer Growth through Activation Unfolding Protein Response Activator EGR1. FASEB Journal, 2020, 34, 1-1.	0.2	0
74	Rab GTPases Accelerates GLUT4 Translocation in Colorectal Cancer Progression by Insulin/IGF System. FASEB Journal, 2020, 34, 1-1.	0.2	0
75	Downregulation of Phosphoserine aminotransferase 1 promotes tumorigenesis in Glioblastoma. FASEB Journal, 2020, 34, 1-1.	0.2	0