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## The Warburg Effect: How Does it Benefit Cancer Cells?

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2049	Metabolic reprogramming of Kaposi's sarcoma associated herpes virus infected B-cells in hypoxia. <b>2018</b> , 14, e1007062	21
2048	Targeting the Warburg effect via LDHA inhibition engages ATF4 signaling for cancer cell survival. <b>2018</b> , 37,	48
2047	The p53/Adipose-Tissue/Cancer Nexus. <b>2018</b> , 9, 457	7
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2045	Amentoflavone induces apoptosis and suppresses glycolysis in glioma cells by targeting miR-124-3p. <b>2018</b> , 686, 1-9	22
2044	Double genetic disruption of lactate dehydrogenases A and B is required to ablate the "Warburg effect" restricting tumor growth to oxidative metabolism. <b>2018</b> , 293, 15947-15961	88
2043	Anti PD-1 treatment increases [F]FDG uptake by cancer cells in a mouse B16F10 melanoma model. <b>2018</b> , 8, 82	11
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2041	Curcumin decreases Warburg effect in cancer cells by down-regulating pyruvate kinase M2 via mTOR-HIF1 $\alpha$ inhibition. <b>2018</b> , 8, 8323	63
2040	FGFR4 Links Glucose Metabolism and Chemotherapy Resistance in Breast Cancer. <b>2018</b> , 47, 151-160	22
2039	VDAC Regulation: A Mitochondrial Target to Stop Cell Proliferation. <b>2018</b> , 138, 41-69	51
2038	Targeting Drug Conjugates to the Tumor Microenvironment: Probody Drug Conjugates. <b>2018</b> , 281-298	5
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2025	Targeting energy metabolism via the mitochondrial pyruvate carrier as a novel approach to attenuate neurodegeneration. <b>2018</b> , 13, 28	34
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2023	Beyond the Warburg Effect: How Do Cancer Cells Regulate One-Carbon Metabolism?. <b>2018</b> , 6, 90	48
2022	The oncogenic neurotrophin receptor tropomyosin-related kinase variant, TrkAIII. <b>2018</b> , 37, 119	13
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1461	All-trans retinoic acid enhances the effect of Fra-1 to inhibit cell proliferation and metabolism in cervical cancer. <b>2020</b> , 42, 1051-1060	2
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1458	Metabolic Regulation of Human Pluripotent Stem Cell-Derived Cardiomyocyte Maturation. <b>2020</b> , 22, 73	5
1457	COX5B-Mediated Bioenergetic Alteration Regulates Tumor Growth and Migration by Modulating AMPK-UHMK1-ERK Cascade in Hepatoma. <b>2020</b> , 12,	7
1456	Mini Review: Opposing Pathologies in Cancer and Alzheimer's Disease: Does the PI3K/Akt Pathway Provide Clues?. <b>2020</b> , 11, 403	8
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1453	KD025 Shifts Pulmonary Endothelial Cell Bioenergetics and Decreases Baseline Lung Permeability. <b>2020</b> , 63, 519-530	3
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1449	The role of rhomboid superfamily members in protein homeostasis: Mechanistic insight and physiological implications. <b>2020</b> , 1867, 118793	4
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1445	LDHA-mediated ROS generation in chondrocytes is a potential therapeutic target for osteoarthritis. <b>2020</b> , 11, 3427	45
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1440	The influence of photodynamic therapy on the Warburg effect in esophageal cancer cells. <b>2020</b> , 35, 1741-1750	7
1439	Mechanistic understanding of $\beta$ -cryptoxanthin and lycopene in cancer prevention in animal models. <b>2020</b> , 1865, 158652	21
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1434	Microscale Biosensor Array Based on Flexible Polymeric Platform toward Lab-on-a-Needle: Real-Time Multiparameter Biomedical Assays on Curved Needle Surfaces. <b>2020</b> , 5, 1363-1373	19
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1431	In vitro simultaneous mapping of the partial pressure of oxygen, pH and inorganic phosphate using electron paramagnetic resonance. <b>2020</b> , 145, 3236-3244	6
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1429	Sirtuin 6 and metabolic genes interplay in Warburg effect in cancers. <b>2020</b> , 66, 169-175	5
1428	METTL3 expression is associated with glycolysis metabolism and sensitivity to glycolytic stress in hepatocellular carcinoma. <b>2020</b> , 9, 2859-2867	22
1427	Characterization of endogenous fluorescence in nonsmall lung cancerous cells: A comparison with nonmalignant lung normal cells. <b>2020</b> , 13, e201960210	3
1426	TSGA10 Over Expression Decreases Metastatic and Metabolic Activity by Inhibiting HIF-1 in Breast Cancer Cells. <b>2020</b> , 51, 41-53	3
1425	Understanding and Modeling Metastasis Biology to Improve Therapeutic Strategies for Combating Osteosarcoma Progression. <b>2020</b> , 10, 13	42
1424	Basic Biology of Hypoxic Responses Mediated by the Transcription Factor HIFs and its Implication for Medicine. <b>2020</b> , 8,	19

1423	Dendronized-Polymer Disturbing Cells' Stress Protection by Targeting Metabolism Leads to Tumor Vulnerability. <b>2020</b> , 32, e1907490	75
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1421	Unleashing Natural Killer Cells in the Tumor Microenvironment-The Next Generation of Immunotherapy?. <b>2020</b> , 11, 275	56
1420	Circ-PRMT5 enhances the proliferation, migration and glycolysis of hepatoma cells by targeting miR-188-5p/HK2 axis. <b>2020</b> , 19, 269-279	25
1419	Atractylenolide I inhibits colorectal cancer cell proliferation by affecting metabolism and stemness via AKT/mTOR signaling. <b>2020</b> , 68, 153191	14
1418	Using regulatory variants to detect gene-gene interactions identifies networks of genes linked to cell immortalisation. <b>2020</b> , 11, 343	3
1417	Holistic, patient-centered symptom management for metastatic cancer: A comparison pilot study. <b>2020</b> , 7, 135-140	
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1414	When -Nitrosylation Gets to Mitochondria: From Signaling to Age-Related Diseases. <b>2020</b> , 32, 884-905	12
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1388	Proton-sensing G protein-coupled receptors: detectors of tumor acidosis and candidate drug targets. <b>2020</b> , 12, 523-532	6

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1368	Penfluridol triggers mitochondrial-mediated apoptosis and suppresses glycolysis in colorectal cancer cells through down-regulating hexokinase-2. <b>2021</b> , 304, 520-530	4
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1344	Bioenergetic signature as a target of zinc oxide nanoparticles in Ehrlich ascitic carcinoma-bearing mice. <b>2021</b> , 35, e22647	1
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1342	PGC1 $\beta$ regulates mitochondrial oxidative phosphorylation involved in cisplatin resistance in ovarian cancer cells via nucleo-mitochondrial transcriptional feedback. <b>2021</b> , 398, 112369	4
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1337	Insights into the role of GPX3, a highly efficient plasma antioxidant, in cancer. <b>2021</b> , 184, 114365	7
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1333	Exploring the Diversity of the Marine Environment for New Anti-cancer Compounds. <b>2021</b> , 7,	6
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1326	Cancer Stem Cells. <b>2021</b> , 177-202	
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1322	Molecular mechanisms of non-thermal atmospheric pressure plasma-induced cellular responses. <b>2021</b> , 60, 020501	1
1321	The Growth Response to Beta-Hydroxybutyrate in SH-SY5Y Neuroblastoma Cells is Suppressed by Glucose and Pyruvate Supplementation. <b>2021</b> , 46, 701-709	0
1320	Multionics Integration Elucidates Metabolic Modulators of Drug Resistance in Lymphoma.	0
1319	The metabolic theory of cancer and its clinical implications. <b>2021</b> , 13-24	
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1309	Melatonin and hyperbaric oxygen therapies suppress colorectal carcinogenesis through pleiotropic effects and multifaceted mechanisms. <b>2021</b> , 17, 3728-3744	3
1308	A Versatile Multichannel Instrument for Measurement of Ratiometric Fluorescence Intensity and Phosphorescence Lifetime. <b>2021</b> , 9, 103835-103849	0
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1302	Integrated genomic and transcriptomic analysis reveals unique characteristics of hepatic metastases and pro-metastatic role of complement C1q in pancreatic ductal adenocarcinoma. <b>2021</b> , 22, 4	6
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1297	Blocking NHE1 stimulates glioma tumor immunity by restoring OXPHOS function of myeloid cells. <b>2021</b> , 11, 1295-1309	4
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1292	Mitochondrial Ca and cell cycle regulation. <b>2021</b> , 362, 171-207	2
1291	Determining the quantitative relationship between glycolysis and GAPDH in cancer cells exhibiting the Warburg effect. <b>2021</b> , 296, 100369	3
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1288	Molecular aspects of pancreatic cancer: focus on reprogrammed metabolism in a nutrient-deficient environment and potential therapeutic targets. <b>2021</b> , 46, 258-263	0
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1284	Mass Spectrometry-Based Shotgun Lipidomics for Cancer Research. <b>2021</b> , 1280, 39-55	0
1283	Epithelial and Immune Cell Responses to Helicobacter pylori That Shape the Gastric Tumor Microenvironment. <b>2021</b> , 155-197	
1282	The role of ectopic adipose tissue: Benefit or deleterious overflow?. <b>2021</b> , 71-91	
1281	Redox Regulation of Metabolic Enzymes in Cancer. <b>2021</b> , 263-275	
1280	Tiny miRNAs Play a Big Role in the Treatment of Breast Cancer Metastasis. <b>2021</b> , 13,	3

1279	Neutral Desorption Extractive Electrospray Ionization Mass Spectrometry Analysis Sputum for Non-Invasive Lung Adenocarcinoma Detection. <b>2021</b> , 14, 469-479	1
1278	Glycolytic inhibitor induces metabolic crisis in solid cancer cells to enhance cold plasma-induced cell death. <b>2021</b> , 18, 2000187	3
1277	Nanoneedle-Based Materials for Intracellular Studies. <b>2021</b> , 1295, 191-219	2
1276	Targeting of Aerobic Glycolysis: An Emerging Therapeutic Approach Against Colon Cancer. <b>2021</b> , 225-244	
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1274	Fueling the cytoskeleton - links between cell metabolism and actin remodeling. <b>2021</b> , 134,	15
1273	Modulation of LXR signaling altered the dynamic activity of human colon adenocarcinoma cancer stem cells in vitro. <b>2021</b> , 21, 100	3
1272	Cancer as a System Dysfunction. <b>2021</b> , 9, 14	0
1271	A Transient Metabolic State In Melanoma Persister Cells Mediated By Chemotherapeutic Treatments.	1
1270	Multi-omics tumor profiling technologies to develop precision medicine in multiple myeloma.	
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1267	Potential of Photodynamic Therapy Based on Sugar-Conjugated Photosensitizers. <b>2021</b> , 10,	6
1266	The Role of Mitochondria in the Chemoresistance of Pancreatic Cancer Cells. <b>2021</b> , 10,	3
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1260	Precision Surgery and Kidney Cancer: Knowledge of Genetic Alterations Influences Surgical Management. <b>2021</b> , 12,	3
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1257	Purification of Gekko Small Peptide Fraction and Its Effect of Inducing Apoptosis of EC 9706 Esophageal Cancer Cells by Inhibiting PI3K/Akt/GLUT1 Signaling Pathway. <b>2021</b> , 18, e2000720	
1256	Paths and Pathways that Generate Cell-Type Heterogeneity and Developmental Progression in Hematopoiesis.	
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1251	Molecular and metabolic imaging of castration-resistant prostate cancer: state of art and future prospects. <b>2021</b> ,	0
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1233	Elevated levels of mitochondrial CoQ induce ROS-mediated apoptosis in pancreatic cancer. <b>2021</b> , 11, 5749	4
1232	Aerobic glycolysis supports hepatitis B virus protein synthesis through interaction between viral surface antigen and pyruvate kinase isoform M2. <b>2021</b> , 17, e1008866	3
1231	High expression of monocarboxylate transporter 4 (MCT 4), but not MCT 1, predicts poor prognosis in patients with non-small cell lung cancer.. <b>2021</b> , 10, 1336-1345	1
1230	Quantitative Proteomic Approach Reveals Altered Metabolic Pathways in Response to the Inhibition of Lysine Deacetylases in A549 Cells under Normoxia and Hypoxia. <b>2021</b> , 22,	0
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1227	Identification and validation of a glycolysis-associated multiomics prognostic model for hepatocellular carcinoma. <b>2021</b> , 13, 7481-7498	1
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1224	The Metabolic Fates of Pyruvate in Normal and Neoplastic Cells. <b>2021</b> , 10,	7
1223	The Dual-Role of Methylglyoxal in Tumor Progression - Novel Therapeutic Approaches. <b>2021</b> , 11, 645686	7
1222	A Dual-Functional Lactate Sensor Based on Silver Nanoparticle-coated Carbon Dots. <b>2021</b> , 42, 767-772	3
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1205	CTGF regulates cell proliferation, migration, and glucose metabolism through activation of FAK signaling in triple-negative breast cancer. <b>2021</b> , 40, 2667-2681	6
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1203	c-Src facilitates tumorigenesis by phosphorylating and activating G6PD. <b>2021</b> , 40, 2567-2580	1
1202	A small-molecule pan-class I glucose transporter inhibitor reduces cancer cell proliferation in vitro and tumor growth in vivo by targeting glucose-based metabolism. <b>2021</b> , 9, 14	4
1201	Mitophagy protein PINK1 suppresses colon tumor growth by metabolic reprogramming via p53 activation and reducing acetyl-CoA production. <b>2021</b> , 28, 2421-2435	14
1200	Reactive Oxygen Species and Metabolic Re-Wiring in Acute Leukemias.	
1199	RFX1-mediated CCN3 induction that may support chondrocyte survival under starved conditions. <b>2021</b> , 236, 6884-6896	3
1198	Molecular alterations in oral cancer using high-throughput proteomic analysis of formalin-fixed paraffin-embedded tissue. <b>2021</b> , 15, 447-459	0
1197	ROS-dependent HIF1 $\alpha$ activation under forced lipid catabolism entails glycolysis and mitophagy as mediators of higher proliferation rate in cervical cancer cells. <b>2021</b> , 40, 94	4
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1172 Long Non-coding RNA DLEU2L Targets miR-210-3p to Suppress Gemcitabine Resistance in Pancreatic Cancer Cells via BRCA2 Regulation. **2021**, 8, 645365 2

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1159	Changes in Lactate Production, Lactate Dehydrogenase Genes Expression and DNA Methylation in Response to Tamoxifen Resistance Development in MCF-7 Cell Line. <b>2021</b> , 12,	3
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1157	Epidemiological link between obesity, type 2 diabetes mellitus and cancer. <b>2021</b> , 11, 23-45	4
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1154	Emerging roles of nucleotide metabolism in cancer development: progress and prospect. <b>2021</b> , 13, 13349-13358	8

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1144	Current State of Breast Cancer Diagnosis, Treatment, and Theranostics. <b>2021</b> , 13,	14
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1140	Transcriptomic and metabolomic characterization of post-hatch metabolic reprogramming during hepatic development in the chicken. <b>2021</b> , 22, 380	1
1139	Study on attractors during organism evolution. <b>2021</b> , 11, 9637	1
1138	Early Heat Exposure Effects on Proteomic Changes of the Broiler Liver under Acute Heat Stress. <b>2021</b> , 11,	
1137	Elucidating Tumor-stromal Metabolic Crosstalk in Colorectal Cancer through Integration of Constraint-Based Models and LC-MS Metabolomics.	0
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1135	SDHB Suppresses the Tumorigenesis and Development of ccRCC by Inhibiting Glycolysis. <b>2021</b> , 11, 639408	6
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1128	Extracellular Vesicles in chondrogenesis and Cartilage regeneration. <b>2021</b> , 25, 4883-4892	6
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1126	Molecular Mechanisms of Drug Resistance in Glioblastoma. <b>2021</b> , 22,	7
1125	Mitochondria and the permeability transition pore in cancer metabolic reprogramming. <b>2021</b> , 188, 114537	3
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1120	Lactylation, a Novel Metabolic Reprogramming Code: Current Status and Prospects. <b>2021</b> , 12, 688910	10
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1107	LncRNA MIR17HG promotes colorectal cancer liver metastasis by mediating a glycolysis-associated positive feedback circuit. <b>2021</b> , 40, 4709-4724	8
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1105	Conflicting metabolic alterations in cancer stem cells and regulation by the stromal niche. <b>2021</b> , 17, 8-12	4
1104	Beyond the Lactate Paradox: How Lactate and Acidity Impact T Cell Therapies against Cancer. <b>2021</b> , 10,	4
1103	Regulation of Cancer Metabolism by Deubiquitinating Enzymes: The Warburg Effect. <b>2021</b> , 22,	8
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1100	Genetic and biological hallmarks of colorectal cancer. <b>2021</b> , 35, 787-820	8

1099	Prognostic significance of preoperative haemoglobin A1c level in patients with lung adenocarcinoma. <b>2021</b> , 33, 534-540	
1098	Targeting Signalling Cross-Talk between Cancer Cells and Cancer-Associated Fibroblast through Monocarboxylate Transporters in Head and Neck Cancer. <b>2021</b> , 21, 1369-1378	3
1097	Progress in Redirecting Antiparasitic Drugs for Cancer Treatment. <b>2021</b> , 15, 2747-2767	3
1096	Drug delivery systems as immunomodulators for therapy of infectious disease: Relevance to COVID-19. <b>2021</b> , 178, 113848	2
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1093	Effects of Neohesperidin Dihydrochalcone (NHDC) on Oxidative Phosphorylation, Cytokine Production, and Lipid Deposition. <b>2021</b> , 10,	4
1092	Probiotics: A Promising Candidate for Management of Colorectal Cancer. <b>2021</b> , 13,	11
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1090	Offset of apparent hyperpolarized C lactate flux by the use of adjuvant metformin in ionizing radiation therapy in vivo. <b>2021</b> , 34, e4561	2
1089	The moonlighting activities of dihydrolipoamide dehydrogenase: Biotechnological and biomedical applications. <b>2021</b> , 34, e2924	2
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1087	Cell fusion enhances energy metabolism of mesenchymal tumor hybrid cells to sustain their proliferation and invasion. <b>2021</b> , 21, 863	1
1086	Targeting Glucose Metabolism of Cancer Cells with Dichloroacetate to Radiosensitize High-Grade Gliomas. <b>2021</b> , 22,	4
1085	Glycolytic inhibition with 3-bromopyruvate suppresses tumor growth and improves survival in a murine model of anaplastic thyroid cancer. <b>2021</b> ,	1
1084	A pancancer overview of FBN1, asprosin and its cognate receptor OR4M1 with detailed expression profiling in ovarian cancer. <b>2021</b> , 22, 650	1
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1076	Expression of Predicts Prognosis of Clear Cell Renal Cell Carcinoma. <b>2021</b> , 12, 683173	0
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1073	Ketogenic Diet in Cancer Prevention and Therapy: Molecular Targets and Therapeutic Opportunities. <b>2021</b> , 43, 558-589	8
1072	Metabolic implications of non-electrogenic ATP/ADP exchange in cancer cells: A mechanistic basis for the Warburg effect. <b>2021</b> , 1862, 148410	3
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1069	Solute carriers as potential oncodrivers or suppressors: their key functions in malignant tumor formation. <b>2021</b> , 26, 1689-1701	2
1068	Regulation and metabolic functions of mTORC1 and mTORC2. <b>2021</b> , 101, 1371-1426	33
1067	HOXC13 promotes cervical cancer proliferation, invasion and Warburg effect through $\beta$ -catenin/c-Myc signaling pathway. <b>2021</b> , 53, 597-608	1
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