

Regulation of cancer cell metabolism

Nature Reviews Cancer

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Proteomic Characterization of Early Changes Induced by Triiodothyronine in Rat Liver. <i>Journal of Proteome Research</i> , 2011, 10, 3212-3224.	1.8	18
2	Metabolism of glioma and IDH1/IDH2 mutations. <i>Revue Neurologique</i> , 2011, 167, 699-703.	0.6	12
3	Sacrifice for survival. <i>Nature</i> , 2011, 480, 190-191.	13.7	35
4	Conserved features of cancer cells define their sensitivity to HAMLET-induced death; c-Myc and glycolysis. <i>Oncogene</i> , 2011, 30, 4765-4779.	2.6	36
5	Hypothesis: Environmental regulation of 5-hydroxymethylcytosine by oxidative stress. <i>Epigenetics</i> , 2011, 6, 853-856.	1.3	145
6	Targeting cancer metabolism: a therapeutic window opens. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 671-684.	21.5	1,227
7	¹ H NMR metabolomics combined with gene expression analysis for the determination of major metabolic differences between subtypes of breast cell lines. <i>Chemical Science</i> , 2011, 2, 2263.	3.7	19
8	Nuclear PKM2 regulates β -catenin transactivation upon EGFR activation. <i>Nature</i> , 2011, 480, 118-122.	13.7	834
10	Global Proteomic Assessment of the Classical Protein-Tyrosine Phosphatome and "Redoxome". <i>Cell</i> , 2011, 146, 826-840.	13.5	156
11	Metabolic Connections during Apoptotic Cell Engulfment. <i>Cell</i> , 2011, 147, 1442-1445.	13.5	111
12	Inhibition of tumor cell migration and metastasis by the proton-sensing GPR4 receptor. <i>Cancer Letters</i> , 2011, 312, 197-208.	3.2	80
13	Therapeutic Targeting of Myc-Reprogrammed Cancer Cell Metabolism. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011, 76, 369-374.	2.0	89
14	Cancer Cell Metabolism. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011, 76, 299-311.	2.0	136
15	Novel Oncologic Drugs: What They Do and How They Affect Images. <i>Radiographics</i> , 2011, 31, 2059-2091.	1.4	71
16	Metabolic Pathway Alterations that Support Cell Proliferation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011, 76, 325-334.	2.0	252
17	Understanding the Warburg effect and the prognostic value of stromal caveolin-1 as a marker of a lethal tumor microenvironment. <i>Breast Cancer Research</i> , 2011, 13, 213.	2.2	153
18	Cancer's sweet tooth for serine. <i>Breast Cancer Research</i> , 2011, 13, 317.	2.2	29
19	Hyperpolarized [¹³ C]-Ascorbic and Dehydroascorbic Acid: Vitamin C as a Probe for Imaging Redox Status in Vivo. <i>Journal of the American Chemical Society</i> , 2011, 133, 11795-11801.	6.6	177

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21	Metabolic alterations in cancer cells and therapeutic implications. <i>Chinese Journal of Cancer</i> , 2011, 30, 508-525.	4.9	82
22	Brain Tumor Exosomes and Microvesicles: Pleiotropic Effects from Tiny Cellular Surrogates. , 0, , .		3
23	The Bevacizumab "Pseudoresponse" in Glioma: Disappointment or Opportunity?. , 0, , .		1
24	Metabolomic Profiling from Formalin-Fixed, Paraffin-Embedded Tumor Tissue Using Targeted LC/MS/MS: Application in Sarcoma. <i>PLoS ONE</i> , 2011, 6, e25357.	1.1	70
25	How Can We Overcome Tumor Hypoxia in Radiation Therapy?. <i>Journal of Radiation Research</i> , 2011, 52, 545-556.	0.8	146
26	Aspirin acetylates multiple cellular proteins in HCT-116 colon cancer cells: Identification of novel targets. <i>International Journal of Oncology</i> , 2011, 39, 1273-83.	1.4	36
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39	mTOR upregulation of glycolytic enzymes promotes tumor development. <i>Cell Cycle</i> , 2011, 10, 1015-1016.	1.3	26
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1924	Epstein-Barr Virus-Induced Metabolic Rearrangements in Human B-Cell Lymphomas. <i>Frontiers in Microbiology</i> , 2018, 9, 1233.	1.5	30
1925	Antimetabolic Effects of Polyphenols in Breast Cancer Cells: Focus on Glucose Uptake and Metabolism. <i>Frontiers in Nutrition</i> , 2018, 5, 25.	1.6	31
1926	Metabolic Profile of Oral Squamous Carcinoma Cell Lines Relies on a Higher Demand of Lipid Metabolism in Metastatic Cells. <i>Frontiers in Oncology</i> , 2018, 8, 13.	1.3	31
1927	Editorial: Inter-Organelle Calcium Communication in Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 14.	1.3	6
1928	DNA Damage, Repair, and Cancer Metabolism. <i>Frontiers in Oncology</i> , 2018, 8, 15.	1.3	169
1929	Phosphoinositide 3-Kinase/Akt Signaling and Redox Metabolism in Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 160.	1.3	283
1930	The Mitochondrial Citrate Carrier (SLC25A1) Sustains Redox Homeostasis and Mitochondrial Metabolism Supporting Radioresistance of Cancer Cells With Tolerance to Cycling Severe Hypoxia. <i>Frontiers in Oncology</i> , 2018, 8, 170.	1.3	54

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1931	Metabolism-Driven High-Throughput Cancer Identification with GLUT5-Specific Molecular Probes. <i>Biosensors</i> , 2018, 8, 39.	2.3	18
1932	The Roles of p53 in Mitochondrial Dynamics and Cancer Metabolism: The Pendulum between Survival and Death in Breast Cancer?. <i>Cancers</i> , 2018, 10, 189.	1.7	52
1933	Elucidating the Metabolic Plasticity of Cancer: Mitochondrial Reprogramming and Hybrid Metabolic States. <i>Cells</i> , 2018, 7, 21.	1.8	167
1934	Kushui Rose (<i>R.ij;1/2Setateij;1/2xi;1/2R.ij;1/2Rugosa</i>) decoction exerts antitumor effects in <i>C. elegans</i> by downregulating Ras/MAPK pathway and resisting oxidative stress. <i>International Journal of Molecular Medicine</i> , 2018, 42, 1411-1417.	1.8	9
1935	Drug Delivery Nanoparticles in Treating Chemoresistant Tumor Cells. <i>Current Medicinal Chemistry</i> , 2018, 24, 4800-4815.	1.2	6
1936	Inhibition of GLO1 in Glioblastoma Multiforme Increases DNA-AGEs, Stimulates RAGE Expression, and Inhibits Brain Tumor Growth in Orthotopic Mouse Models. <i>International Journal of Molecular Sciences</i> , 2018, 19, 406.	1.8	25
1937	Targeting the Adenosinergic Axis in Chronic Lymphocytic Leukemia: A Way to Disrupt the Tumor Niche?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1167.	1.8	8
1938	The Involvement of PPARs in the Peculiar Energetic Metabolism of Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1907.	1.8	27
1939	Anticancer Activity of <i>Anthopleura anjunae</i> Oligopeptides in Prostate Cancer DU-145 Cells. <i>Marine Drugs</i> , 2018, 16, 125.	2.2	22
1940	A Versatile Ptâ€Based Coreâ€Shell Nanoplatform as a Nanofactory for Enhanced Tumor Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1801783.	7.8	106
1941	Protein kinase CK2 modulation of pyruvate kinase M isoforms augments the Warburg effect in cancer cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8501-8510.	1.2	14
1942	Interplay of Viral Infection, Host Cell Factors and Tumor Microenvironment in the Pathogenesis of Nasopharyngeal Carcinoma. <i>Cancers</i> , 2018, 10, 106.	1.7	55
1943	Caffeic Acid Targets AMPK Signaling and Regulates Tricarboxylic Acid Cycle Anaplerosis while Metformin Downregulates HIF-1Î±-Induced Glycolytic Enzymes in Human Cervical Squamous Cell Carcinoma Lines. <i>Nutrients</i> , 2018, 10, 841.	1.7	53
1944	Fenton reactions drive nucleotide and ATP syntheses in cancer. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 448-459.	1.5	38
1945	Preclinical study of an 18F-labeled glutamine derivative for cancer imaging. <i>Nuclear Medicine and Biology</i> , 2018, 64-65, 34-40.	0.3	14
1946	Surface Immobilization of Redoxâ€Labile Fluorescent Probes: Enabling Singleâ€Cell Coâ€Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11554-11558.	7.2	13
1947	Surface Immobilization of Redoxâ€Labile Fluorescent Probes: Enabling Singleâ€Cell Coâ€Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie</i> , 2018, 130, 11728-11732.	1.6	0
1948	Macrophage-Associated PCK1 Phosphorylation Promotes Aerobic Glycolysis and Tumorigenesis. <i>Molecular Cell</i> , 2018, 71, 201-215.e7.	4.5	211

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1949	Zebrafish embryonic development-interfering macrolides from <i>Streptomyces californicus</i> impact growth and mitochondrial function in human colorectal cancer cells. <i>Process Biochemistry</i> , 2018, 74, 164-174.	1.8	2
1950	Ligand Screening Systems for Human Glucose Transporters as Tools in Drug Discovery. <i>Frontiers in Chemistry</i> , 2018, 6, 183.	1.8	13
1951	Alteration of metabolite profiling by cold atmospheric plasma treatment in human myeloma cells. <i>Cancer Cell International</i> , 2018, 18, 42.	1.8	16
1952	The relevance of tyrosine kinase inhibitors for global metabolic pathways in cancer. <i>Molecular Cancer</i> , 2018, 17, 27.	7.9	36
1953	Metabolomics of oncogene-specific metabolic reprogramming during breast cancer. <i>Cancer & Metabolism</i> , 2018, 6, 5.	2.4	35
1954	Organic selenium compounds as potential chemotherapeutic agents for improved cancer treatment. <i>Free Radical Biology and Medicine</i> , 2018, 127, 80-97.	1.3	220
1955	Clinically significant association of elevated expression of nuclear factor E2-related factor 2 expression with higher glucose uptake and progression of upper urinary tract cancer. <i>BMC Cancer</i> , 2018, 18, 493.	1.1	5
1956	Prospects for chimeric antigen receptor-modified T cell therapy for solid tumors. <i>Molecular Cancer</i> , 2018, 17, 7.	7.9	63
1957	Targeting cancer metabolism to develop human lactate dehydrogenase (hLDH)5 inhibitors. <i>Drug Discovery Today</i> , 2018, 23, 1407-1415.	3.2	42
1958	Chronic stress of high dietary carbohydrate level causes inflammation and influences glucose transport through SOCS3 in Japanese flounder <i>Paralichthys olivaceus</i> . <i>Scientific Reports</i> , 2018, 8, 7415.	1.6	52
1959	Butyrate Suppresses the Proliferation of Colorectal Cancer Cells via Targeting Pyruvate Kinase M2 and Metabolic Reprogramming. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1531-1545.	2.5	79
1960	Biocompatible crosslinked β -cyclodextrin nanoparticles as multifunctional carriers for cellular delivery. <i>Nanoscale</i> , 2018, 10, 16284-16292.	2.8	25
1961	<i>Plasma Medicine.</i> , 2018, , 455-539.		1
1962	<i>Klebsiella oxytoca</i> expands in cancer cachexia and acts as a gut pathobiont contributing to intestinal dysfunction. <i>Scientific Reports</i> , 2018, 8, 12321.	1.6	71
1963	Oxidative Stress and Cancer: The Role of Nrf2. <i>Current Cancer Drug Targets</i> , 2018, 18, 538-557.	0.8	250
1964	Inferring oncoenzymes in a genome-scale metabolic network for hepatocytes using bilevel optimization framework. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 97-104.	2.7	7
1965	A prospectus on innovations in the plasma treatment of cancer. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	61
1966	Fatty acid oxidation: An emerging facet of metabolic transformation in cancer. <i>Cancer Letters</i> , 2018, 435, 92-100.	3.2	279

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1967	The Expanding Role of Ketogenic Diets in Adult Neurological Disorders. <i>Brain Sciences</i> , 2018, 8, 148.	1.1	54
1968	Na/K-ATPase Y260 Phosphorylation-mediated Src Regulation in Control of Aerobic Glycolysis and Tumor Growth. <i>Scientific Reports</i> , 2018, 8, 12322.	1.6	25
1969	The Hypoxia-Inducible Factor-1 α in Angiogenesis and Cancer: Insights from the Drosophila Model. , 2018, , .		2
1970	Emerging roles of long non-coding RNAs in tumor metabolism. <i>Journal of Hematology and Oncology</i> , 2018, 11, 106.	6.9	72
1971	Different mitochondrial genetic defects exhibit the same protein signature of metabolism in skeletal muscle of PEO and MELAS patients: A role for oxidative stress. <i>Free Radical Biology and Medicine</i> , 2018, 126, 235-248.	1.3	10
1972	Targeting T Cell Metabolism for Improvement of Cancer Immunotherapy. <i>Frontiers in Oncology</i> , 2018, 8, 237.	1.3	123
1973	Troglitazone Inhibits Matrix Metalloproteinase-9 Expression and Invasion of Breast Cancer Cell through a Peroxisome Proliferator-Activated Receptor β -Dependent Mechanism. <i>Journal of Breast Cancer</i> , 2018, 21, 28.	0.8	14
1974	Synthesis of New Branched 2-Nitroimidazole as a Hypoxia Sensitive Linker for Ligand-Targeted Drugs of Paclitaxel. <i>ACS Omega</i> , 2018, 3, 8813-8818.	1.6	7
1975	Increased glutamine anabolism sensitizes non-small cell lung cancer to gefitinib treatment. <i>Cell Death Discovery</i> , 2018, 4, 24.	2.0	15
1976	Dropping in on lipid droplets: insights into cellular stress and cancer. <i>Bioscience Reports</i> , 2018, 38, .	1.1	57
1977	B cell lymphoma with different metabolic characteristics show distinct sensitivities to metabolic inhibitors. <i>Journal of Cancer</i> , 2018, 9, 1582-1591.	1.2	13
1978	Diversity of Wnt/ β -Catenin Signaling in Head and Neck Cancer: Cancer Stem Cells, Epithelial-to-Mesenchymal Transition, and Tumor Microenvironment. <i>Current Cancer Research</i> , 2018, , 491-524.	0.2	0
1979	Identification of pathway-based recurrence-associated signatures in optimally debulked patients with serous ovarian cancer. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8564-8573.	1.2	0
1980	Spatially Resolved Bioenergetic and Genetic Reprogramming Through the Brain of Rats Bearing Implanted C6 Gliomas As Detected by Multinuclear High-Resolution Magic Angle Spinning and Genomic Analysis. <i>Journal of Proteome Research</i> , 2018, 17, 2953-2962.	1.8	5
1981	Iron and Cancer. <i>Annual Review of Nutrition</i> , 2018, 38, 97-125.	4.3	285
1982	4-bp insertion/deletion polymorphism within the promoter of EGLN2 gene is associated with susceptibility to cancer in Asian population: Evidence from a meta-analysis. <i>Meta Gene</i> , 2018, 17, 141-146.	0.3	5
1983	The glutathione redox system is essential to prevent ferroptosis caused by impaired lipid metabolism in clear cell renal cell carcinoma. <i>Oncogene</i> , 2018, 37, 5435-5450.	2.6	239
1984	G1P3 (IFI6), a mitochondrial localised antiapoptotic protein, promotes metastatic potential of breast cancer cells through mtROS. <i>British Journal of Cancer</i> , 2018, 119, 52-64.	2.9	53

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1985	Cold atmospheric plasma conveys selectivity on triple negative breast cancer cells both in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2018, 124, 205-213.	1.3	92
1986	Transcription Factor YY1 Promotes Cell Proliferation by Directly Activating the Pentose Phosphate Pathway. <i>Cancer Research</i> , 2018, 78, 4549-4562.	0.4	100
1987	New strategies for targeting glucose metabolism-mediated acidosis for colorectal cancer therapy. <i>Journal of Cellular Physiology</i> , 2019, 234, 348-368.	2.0	41
1988	Long noncoding RNAs in the metabolic control of inflammation and immune disorders. <i>Cellular and Molecular Immunology</i> , 2019, 16, 1-5.	4.8	43
1989	Differential Modulation of Gene Expression Encoding Hepatic and Renal Xenobiotic Metabolizing Enzymes by an Aspalathin-Enriched Rooibos Extract and Aspalathin. <i>Planta Medica</i> , 2019, 85, 6-13.	0.7	4
1990	Prognostic significance of G6PD expression and localization in lung adenocarcinoma. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 38-46.	1.1	34
1991	Targeting tumor phenotypic plasticity and metabolic remodeling in adaptive cross-drug tolerance. <i>Science Signaling</i> , 2019, 12, .	1.6	52
1992	Synergistic Effects of Melittin and Plasma Treatment: A Promising Approach for Cancer Therapy. <i>Cancers</i> , 2019, 11, 1109.	1.7	46
1993	N-Acetylcysteine Serves as Substrate of 3-Mercaptopyruvate Sulfurtransferase and Stimulates Sulfide Metabolism in Colon Cancer Cells. <i>Cells</i> , 2019, 8, 828.	1.8	29
1994	Oxygen self-sufficient NIR-activatable liposomes for tumor hypoxia regulation and photodynamic therapy. <i>Chemical Science</i> , 2019, 10, 9091-9098.	3.7	81
1995	The synergistic effects of oxaliplatin and piperlongumine on colorectal cancer are mediated by oxidative stress. <i>Cell Death and Disease</i> , 2019, 10, 600.	2.7	55
1996	Determination of proline in human plasma samples using the encapsulation of proline dehydrogenase enzyme in dendritic silica: a new platform for the enzymatic biosensing of amino acids. <i>Analytical Methods</i> , 2019, 11, 4609-4619.	1.3	6
1997	Clonal variations in CHO IGF signaling investigated by SILAC-based phosphoproteomics and LFQ-MS. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8127-8143.	1.7	13
1998	Dysregulated Mitochondrial Dynamics and Metabolism in Obesity, Diabetes, and Cancer. <i>Frontiers in Endocrinology</i> , 2019, 10, 570.	1.5	113
1999	Sustained reactive oxygen species generation from percarbamide nanomedicine via a mechanism of X-Ray-initiated free radical chain reactions. <i>Journal of Biomaterials Applications</i> , 2019, 34, 728-738.	1.2	2
2000	NAD-Biosynthetic and Consuming Enzymes as Central Players of Metabolic Regulation of Innate and Adaptive Immune Responses in Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 1720.	2.2	52
2001	Lactate Induces Pro-tumor Reprogramming in Intratumoral Plasmacytoid Dendritic Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1878.	2.2	85
2002	Fatty acid oxidation inhibitor etomoxir suppresses tumor progression and induces cell cycle arrest via PPAR γ -mediated pathway in bladder cancer. <i>Clinical Science</i> , 2019, 133, 1745-1758.	1.8	72

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2003	Organosilica-Based Hollow Mesoporous Bilirubin Nanoparticles for Antioxidation-Activated Self-Protection and Tumor-Specific Deoxygenation-Driven Synergistic Therapy. <i>ACS Nano</i> , 2019, 13, 8903-8916.	7.3	70
2004	Advances in Raman imaging combined with AFM and fluorescence microscopy are beneficial for oncology and cancer research. <i>Nanomedicine</i> , 2019, 14, 1873-1888.	1.7	23
2005	Mitofusins modulate the increase in mitochondrial length, bioenergetics and secretory phenotype in therapy-induced senescent melanoma cells. <i>Biochemical Journal</i> , 2019, 476, 2463-2486.	1.7	17
2006	MYC Expression and Metabolic Redox Changes in Cancer Cells: A Synergy Able to Induce Chemoresistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-9.	1.9	17
2007	Starvation-Induced Differential Virotherapy Using an Oncolytic Measles Vaccine Virus. <i>Viruses</i> , 2019, 11, 614.	1.5	11
2008	The production of reactive oxygen species enhanced with the reduction of menadione by active thioredoxin reductase. <i>Metallomics</i> , 2019, 11, 1490-1497.	1.0	25
2009	Rgef promotes ovarian tumor progression and confers protection from oxidative stress. <i>Oncogene</i> , 2019, 38, 6323-6337.	2.6	25
2010	A Warburg effect targeting vector designed to increase the uptake of compounds by cancer cells demonstrates glucose and hypoxia dependent uptake. <i>PLoS ONE</i> , 2019, 14, e0217712.	1.1	12
2011	Effective and Intact Cell Detachment from a Clinically Ubiquitous Culture Flask by Combining Ultrasonic Wave Exposure and Diluted Trypsin. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 536-543.	1.4	14
2012	Synergy between Auranofin and Celecoxib against Colon Cancer In Vitro and In Vivo through a Novel Redox-Mediated Mechanism. <i>Cancers</i> , 2019, 11, 931.	1.7	37
2013	4-hydroxyphenylpyruvate dioxygenase promotes lung cancer growth via pentose phosphate pathway (PPP) flux mediated by LKB1-AMPK/HDAC10/G6PD axis. <i>Cell Death and Disease</i> , 2019, 10, 525.	2.7	46
2014	SREBP1-dependent de novo fatty acid synthesis gene expression is elevated in malignant melanoma and represents a cellular survival trait. <i>Scientific Reports</i> , 2019, 9, 10369.	1.6	33
2015	Roles of the hexosamine biosynthetic pathway and pentose phosphate pathway in bile acid-induced cancer development. <i>Cancer Science</i> , 2019, 110, 2408-2420.	1.7	18
2016	Dynamic Metabolic State of Tissue Resident CD8 T Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1683.	2.2	41
2017	Glutathione Induced Transformation of Partially Hollow Gold-Silver Nanocages for Cancer Diagnosis and Photothermal Therapy. <i>Small</i> , 2019, 15, 1902755.	5.2	23
2018	Perturbation of mitochondrial bioenergetics by polycations counteracts resistance to BRAF ^{E600} inhibition in melanoma cells. <i>Journal of Controlled Release</i> , 2019, 309, 158-172.	4.8	3
2019	Fabrication of H ₂ O ₂ -driven nanoreactors for innovative cancer treatments. <i>Nanoscale</i> , 2019, 11, 16164-16186.	2.8	46
2020	Impact of ROS Generated by Chemical, Physical, and Plasma Techniques on Cancer Attenuation. <i>Cancers</i> , 2019, 11, 1030.	1.7	112

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2021	ER-residential Nogo-B accelerates NAFLD-associated HCC mediated by metabolic reprogramming of oxLDL lipophagy. Nature Communications, 2019, 10, 3391.	5.8	75
2022	Metabolic Dysregulations and Epigenetics: A Bidirectional Interplay that Drives Tumor Progression. Cells, 2019, 8, 798.	1.8	31
2023	Dendrimer-Based Nanoparticulate Delivery System for Cancer Therapy. , 2019, , 233-255.		13
2024	<p>TRIM11 promotes proliferation and glycolysis of breast cancer cells via targeting AKT/GLUT1 pathway</p>. OncoTargets and Therapy, 2019, Volume 12, 4975-4984.	1.0	31
2025	BACH1 Stabilization by Antioxidants Stimulates Lung Cancer Metastasis. Cell, 2019, 178, 330-345.e22.	13.5	352
2026	Cell Metabolism in Cancer: An Energetic Switch. Learning Materials in Biosciences, 2019, , 97-116.	0.2	0
2027	High-Resolution Radioluminescence Microscopy Image Reconstruction via Ionization Track Analysis. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 660-667.	2.7	0
2028	Mechanisms of Resistance to EGFR Inhibition Reveal Metabolic Vulnerabilities in Human GBM. Molecular Cancer Therapeutics, 2019, 18, 1565-1576.	1.9	11
2029	Fueling the fire: emerging role of the hexosamine biosynthetic pathway in cancer. BMC Biology, 2019, 17, 52.	1.7	227
2030	YTHDF1 links hypoxia adaptation and non-small cell lung cancer progression. Nature Communications, 2019, 10, 4892.	5.8	256
2031	Glycolytic reprogramming in cancer cells: PKM2 dimer predominance induced by pulsatile PFK-1 activity. Physical Biology, 2019, 16, 066007.	0.8	11
2032	ACAT1 and Metabolism-Related Pathways Are Essential for the Progression of Clear Cell Renal Cell Carcinoma (ccRCC), as Determined by Co-expression Network Analysis. Frontiers in Oncology, 2019, 9, 957.	1.3	45
2033	Combinatorial targeting of MTHFD2 and PAICS in purine synthesis as a novel therapeutic strategy. Cell Death and Disease, 2019, 10, 786.	2.7	21
2034	Quantitative nuclear histomorphometric features are predictive of Oncotype DX risk categories in ductal carcinoma in situ: preliminary findings. Breast Cancer Research, 2019, 21, 114.	2.2	17
2036	ROS from Physical Plasmas: Redox Chemistry for Biomedical Therapy. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-29.	1.9	168
2037	Glucose starvation-induced oxidative stress causes mitochondrial dysfunction and apoptosis via Prohibitin 1 upregulation in human breast cancer cells. Free Radical Biology and Medicine, 2019, 145, 428-441.	1.3	38
2038	Effect of oxidative stress on cystine transportation by xCa ^{3/4} antiporter. Archives of Biochemistry and Biophysics, 2019, 674, 108114.	1.4	7
2039	The identification and pharmacological evaluation of potent, selective and orally available ACC1 inhibitor. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126749.	1.0	8

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2040	The consequences of increased 4E-BP1 in polycystic kidney disease. <i>Human Molecular Genetics</i> , 2019, 28, 4132-4147.	1.4	11
2041	Mutations in the PKM2 exon-10 region are associated with reduced allostery and increased nuclear translocation. <i>Communications Biology</i> , 2019, 2, 105.	2.0	17
2042	Rewiring of Cancer Cell Metabolism by Mitochondrial VDAC1 Depletion Results in Time-Dependent Tumor Reprogramming: Glioblastoma as a Proof of Concept. <i>Cells</i> , 2019, 8, 1330.	1.8	18
2043	Glucose and glutamine metabolism in relation to mutational status in NSCLC histological subtypes. <i>Thoracic Cancer</i> , 2019, 10, 2289-2299.	0.8	20
2044	Metabolomic biomarkers in cervicovaginal fluid for detecting endometrial cancer through nuclear magnetic resonance spectroscopy. <i>Metabolomics</i> , 2019, 15, 146.	1.4	28
2045	Activation of AMPK promotes thyroid cancer cell migration through its interaction with PKM2 and β -catenin. <i>Life Sciences</i> , 2019, 239, 116877.	2.0	9
2046	Luminescent metal organic frameworks with recognition sites for detection of hypochlorite through energy transfer. <i>Mikrochimica Acta</i> , 2019, 186, 740.	2.5	14
2047	Methods of Metabolite Identification Using MS/MS Data. <i>Journal of Computer Information Systems</i> , 2019, , 1-7.	2.0	3
2048	Knockdown of Pyruvate Kinase M2 Inhibits Cell Proliferation, Metabolism, and Migration in Renal Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5622.	1.8	18
2049	Risk Factor for Residue After Uterine Artery Chemotherapy and Embolization in Combination with Dilatation and Curettage for Treating Caesarean Scar Pregnancy. <i>Current Molecular Medicine</i> , 2019, 19, 525-531.	0.6	3
2050	GSTZ1 deficiency promotes hepatocellular carcinoma proliferation via activation of the KEAP1/NRF2 pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 438.	3.5	40
2051	Green synthesis of silver nanoparticles at low temperature in a fast pace with unique DPPH radical scavenging and selective cytotoxicity against MCF-7 and BT-20 tumor cell lines. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00393.	2.1	51
2052	Reactive Oxygen Species-Activatable Liposomes Regulating Hypoxic Tumor Microenvironment for Synergistic Photo/Chemodynamic Therapies. <i>Advanced Functional Materials</i> , 2019, 29, 1905013.	7.8	124
2053	Polo-like kinase 3 inhibits glucose metabolism in colorectal cancer by targeting HSP90/STAT3/HK2 signaling. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 426.	3.5	30
2054	Dimethylaminomichelolide (DMAMCL) Suppresses the Proliferation of Glioblastoma Cells via Targeting Pyruvate Kinase 2 (PKM2) and Rewiring Aerobic Glycolysis. <i>Frontiers in Oncology</i> , 2019, 9, 993.	1.3	27
2055	Catalase S-Glutathionylation by NOX2 and Mitochondrial-Derived ROS Adversely Affects Mice and Human Neutrophil Survival. <i>Inflammation</i> , 2019, 42, 2286-2296.	1.7	11
2056	The Metabolic Landscape of Lung Cancer: New Insights in a Disturbed Glucose Metabolism. <i>Frontiers in Oncology</i> , 2019, 9, 1215.	1.3	97
2057	Targeting oxidative pentose phosphate pathway prevents recurrence in mutant Kras colorectal carcinomas. <i>PLoS Biology</i> , 2019, 17, e3000425.	2.6	15

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2059	Dysregulation of the TET family of epigenetic regulators in lymphoid and myeloid malignancies. <i>Blood</i> , 2019, 134, 1487-1497.	0.6	95
2060	Influence of Cell Type and Culture Medium on Determining Cancer Selectivity of Cold Atmospheric Plasma Treatment. <i>Cancers</i> , 2019, 11, 1287.	1.7	81
2061	High-resolution bimodal imaging and potent antibiotic/photodynamic synergistic therapy for osteomyelitis with a bacterial inflammation-specific versatile agent. <i>Acta Biomaterialia</i> , 2019, 99, 363-372.	4.1	52
2062	Oxidation of Human Copper Chaperone Atox1 and Disulfide Bond Cleavage by Cisplatin and Glutathione. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4390.	1.8	3
2063	Cancer-associated adipocytes: key players in breast cancer progression. <i>Journal of Hematology and Oncology</i> , 2019, 12, 95.	6.9	267
2064	Programmed degradation of a hierarchical nanoparticle with redox and light responsivity for self-activated photo-chemical enhanced chemodynamic therapy. <i>Biomaterials</i> , 2019, 224, 119498.	5.7	99
2065	Selective Accumulation of Galactomannan Amphiphilic Nanomaterials in Pediatric Solid Tumor Xenografts Correlates with <i>GLUT1</i> Gene Expression. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38483-38496.	4.0	21
2066	New advances in targeting aberrant signaling pathways in T-cell acute lymphoblastic leukemia. <i>Advances in Biological Regulation</i> , 2019, 74, 100649.	1.4	17
2067	Piperlongumine, a Novel TrxR1 Inhibitor, Induces Apoptosis in Hepatocellular Carcinoma Cells by ROS-Mediated ER Stress. <i>Frontiers in Pharmacology</i> , 2019, 10, 1180.	1.6	54
2068	Inhibitory effect on ovarian cancer ALDH+ stem-like cells by Disulfiram and Copper treatment through ALDH and ROS modulation. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109371.	2.5	43
2069	Immunotherapeutic Challenges for Pediatric Cancers. <i>Molecular Therapy - Oncolytics</i> , 2019, 15, 38-48.	2.0	26
2070	Targeting Reactive Oxygen Species in Cancer via Chinese Herbal Medicine. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-23.	1.9	45
2071	Tumor self-responsive upconversion nanomedicines for theranostic applications. <i>Nanoscale</i> , 2019, 11, 17535-17556.	2.8	30
2072	Anticancer activity of metformin: a systematic review of the literature. <i>Future Science OA</i> , 2019, 5, FSO410.	0.9	105
2073	Cancer Genetics and Therapeutics. , 2019, , .		6
2074	Enhancement mitochondrial apoptosis in breast cancer cells by paclitaxel-triphenylphosphonium conjugate in DNA aptamer modified nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101228.	1.4	3
2075	Parkin facilitates proteasome inhibitor-induced apoptosis via suppression of NF- κ B activity in hepatocellular carcinoma. <i>Cell Death and Disease</i> , 2019, 10, 719.	2.7	25

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