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Targeting cellular metabolism to improve cancer therapeutic

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764	Physics and Its Interfaces with Medicinal Chemistry and Drug Design. 2013 , 43, 268-280		1
763	RSK2-induced stress tolerance enhances cell survival signals mediated by inhibition of GSK3 β activity. 2013 , 440, 112-8		14
762	Antitumor and chemosensitizing action of dichloroacetate implicates modulation of tumor microenvironment: a role of reorganized glucose metabolism, cell survival regulation and macrophage differentiation. 2013 , 273, 196-208		24
761	Contribution of serine, folate and glycine metabolism to the ATP, NADPH and purine requirements of cancer cells. <i>Cell Death and Disease</i> , 2013 , 4, e877	9.8	170
760	Tumor glycolysis as a target for cancer therapy: progress and prospects. 2013 , 12, 152		476
759	Cancer cell metabolism: implications for therapeutic targets. 2013 , 45, e45		206
758	How does the metabolism of tumour cells differ from that of normal cells. 2013 , 33,		51
757	Assessing microenvironment compartments in formalin-fixed paraffin-embedded tissues by protein expression analysis. 2013 , 5, 2647-59		4
756	Oncometabolomics in cancer research. 2013 , 10, 325-36		9
755	Mechanistic study on the nuclear modifier gene MSS1 mutation suppressing neomycin sensitivity of the mitochondrial 15S rRNA C1477G mutation in <i>Saccharomyces cerevisiae</i> . 2014 , 9, e90336		5
754	Safety and outcome of treatment of metastatic melanoma using 3-bromopyruvate: a concise literature review and case study. 2014 , 33, 356-64		36
753	Role of abnormal lipid metabolism in development, progression, diagnosis and therapy of pancreatic cancer. 2014 , 20, 2279-303		119
752	Determination of phosphate-activated glutaminase activity and its kinetics in mouse tissues using metabolic mapping (quantitative enzyme histochemistry). 2014 , 62, 813-26		27
751	Acquired resistance to metformin in breast cancer cells triggers transcriptome reprogramming toward a degradome-related metastatic stem-like profile. 2014 , 13, 1132-44		54
750	Breast cancer stem cells rely on fermentative glycolysis and are sensitive to 2-deoxyglucose treatment. <i>Cell Death and Disease</i> , 2014 , 5, e1336	9.8	178
749	Redox control of glutamine utilization in cancer. <i>Cell Death and Disease</i> , 2014 , 5, e1561	9.8	90
748	Overexpression of CPS1 is an independent negative prognosticator in rectal cancers receiving concurrent chemoradiotherapy. 2014 , 35, 11097-105		19

747	Metabolic effects of hypoxia in colorectal cancer by ¹³ C NMR isotopomer analysis. 2014 , 2014, 759791	6
746	The clinicopathologic importance of serum lactic dehydrogenase in patients with gastric cancer. 2014 , 2014, 140913	16
745	L-methionase: a therapeutic enzyme to treat malignancies. 2014 , 2014, 506287	26
744	Type 3 deiodinase: role in cancer growth, stemness, and metabolism. 2014 , 5, 215	32
743	Imaging of Tumor Metabolism: MR Spectroscopy. 2014 , 147-180	1
742	Shining light on cell death processes - a novel biosensor for necroptosis, a newly described cell death program. 2014 , 9, 224-40	9
741	Overcoming 5-Fu resistance in human non-small cell lung cancer cells by the combination of 5-Fu and cisplatin through the inhibition of glucose metabolism. 2014 , 35, 12305-15	24
740	MYC regulates the unfolded protein response and glucose and glutamine uptake in endocrine resistant breast cancer. 2014 , 13, 239	58
739	Cancer cell metabolism as new targets for novel designed therapies. 2014 , 6, 1791-810	18
738	Regulation of Cancer Cell Metabolism by Hypoxia. 2014 , 75-108	
737	Metabolic control of dendritic cell activation and function: recent advances and clinical implications. 2014 , 5, 203	94
736	Individualizing breast cancer treatment-The dawn of personalized medicine. 2014 , 320, 1-11	24
735	Calories, carbohydrates, and cancer therapy with radiation: exploiting the five R's through dietary manipulation. 2014 , 33, 217-29	70
734	Regulation of pyruvate metabolism and human disease. 2014 , 71, 2577-604	347
733	Basic amino acids and dimethylarginines targeted metabolomics discriminates primary hepatocarcinoma from hepatic colorectal metastases. 2014 , 10, 1026-1035	6
732	Metabolic implication of tumor:stroma crosstalk in breast cancer. 2014 , 92, 117-26	19
731	Quantitative proteomics in resected renal cancer tissue for biomarker discovery and profiling. 2014 , 110, 1622-33	47
730	Utilizing hydrogen sulfide as a novel anti-cancer agent by targeting cancer glycolysis and pH imbalance. 2014 , 171, 4322-36	93

729	Stimuli-sensitive nanopreparations for combination cancer therapy. 2014 , 190, 352-70	262
728	Advances in copper complexes as anticancer agents. 2014 , 114, 815-62	1075
727	Lipoprotein internalisation induced by oncogenic AMPK activation is essential to maintain glioblastoma cell growth. 2014 , 50, 3187-97	24
726	The ßocopherol derivative ESeroS-GS induces cell death and inhibits cell motility of breast cancer cells through the regulation of energy metabolism. 2014 , 745, 98-107	15
725	Tumor suppressor WWOX regulates glucose metabolism via HIF1 modulation. 2014 , 21, 1805-14	56
724	Quantitative proteomic approach to understand metabolic adaptation in non-small cell lung cancer. 2014 , 13, 4695-704	25
723	A distinct glucose metabolism signature of acute myeloid leukemia with prognostic value. 2014 , 124, 1645-54	153
722	The chemistry and biology of the ßketoglutarate-dependent histone N-methyl-lysine demethylases. 2014 , 5, 297-313	9
721	Pros and cons of bifunctional platinum(IV) antitumor prodrugs: two are (not always) better than one. 2014 , 43, 9813-20	89
720	Targeting hypoxia in the treatment of small cell lung cancer. 2014 , 86, 126-32	24
719	Metabolic isoenzyme shifts in cancer as potential novel therapeutic targets. 2014 , 148, 477-88	3
718	Targeting the Warburg effect with a novel glucose transporter inhibitor to overcome gemcitabine resistance in pancreatic cancer cells. 2014 , 35, 2203-13	34
717	Quantitative optical imaging of primary tumor organoid metabolism predicts drug response in breast cancer. 2014 , 74, 5184-94	169
716	Glutamine depletion by crisantaspase hinders the growth of human hepatocellular carcinoma xenografts. 2014 , 111, 1159-67	39
715	A novel small molecule aurora kinase inhibitor attenuates breast tumor-initiating cells and overcomes drug resistance. 2014 , 13, 1991-2003	40
714	Oncocytic lesions of the thyroid, kidney, salivary glands, adrenal cortex, and parathyroid glands. 2014 , 22, 33-6	33
713	Targeting mitochondrial oxidative metabolism in melanoma causes metabolic compensation through glucose and glutamine utilization. 2014 , 74, 3535-45	62
712	Heterogeneity of glycolysis in cancers and therapeutic opportunities. 2014 , 92, 12-21	30

711	Non-invasive in-cell determination of free cytosolic [NAD ⁺]/[NADH] ratios using hyperpolarized glucose show large variations in metabolic phenotypes. 2014 , 289, 2344-52	89
710	Mitochondrial dynamics: biology and therapy in lung cancer. 2014 , 23, 675-92	27
709	Methods to assess lipid accumulation in cancer cells. 2014 , 542, 407-23	4
708	Pancreatic tumor cell metabolism: focus on glycolysis and its connected metabolic pathways. 2014 , 545, 69-73	36
707	MicroRNA regulation of cancer metabolism: role in tumour suppression. 2014 , 19 Pt A, 29-38	29
706	Overexpression of microRNA-122 re-sensitizes 5-FU-resistant colon cancer cells to 5-FU through the inhibition of PKM2 in vitro and in vivo. 2014 , 70, 1343-50	67
705	Signaling related with biphasic effects of bisphenol A (BPA) on Sertoli cell proliferation: a comparative proteomic analysis. 2014 , 1840, 2663-73	48
704	Overexpression of microRNA-125b sensitizes human hepatocellular carcinoma cells to 5-fluorouracil through inhibition of glycolysis by targeting hexokinase II. 2014 , 10, 995-1002	52
703	Inhibition of lactate dehydrogenase A by microRNA-34a resensitizes colon cancer cells to 5-fluorouracil. 2015 , 11, 577-82	66
702	Fatty acid synthase is a metabolic marker of cell proliferation rather than malignancy in ovarian cancer and its precursor cells. 2015 , 136, 2078-90	44
701	mTOR signaling in liver disease. 2015 , 314-325	2
700	Silencing of glutaminase α resensitizes Taxol-resistant breast cancer cells to Taxol. 2015 , 11, 4727-33	16
699	Lactate dehydrogenase-A inhibition induces human glioblastoma multiforme stem cell differentiation and death. <i>Scientific Reports</i> , 2015 , 5, 15556	4.9 47
698	Glycolysis inhibitor 2-deoxy-D-glucose suppresses carcinogen-induced rat hepatocarcinogenesis by restricting cancer cell metabolism. 2015 , 11, 1917-24	19
697	Combination of temozolomide and Taxol exerts a synergistic inhibitory effect on Taxol-resistant glioma cells via inhibition of glucose metabolism. 2015 , 12, 7705-11	9
696	Combination of Taxol α and dichloroacetate results in synergistically inhibitory effects on Taxol-resistant oral cancer cells under hypoxia. 2015 , 11, 2935-40	10
695	Inhibition of MCL-1 by obatoclax sensitizes Sp2/0-Ag14 hybridoma cells to glutamine deprivation-induced apoptosis. 2015 , 33, 334-40	1
694	Modeling the energetic cost of cancer as a result of altered energy metabolism: implications for cachexia. 2015 , 12, 17	44

693	Label-free LC-MS analysis of HER2+ breast cancer cell line response to HER2 inhibitor treatment. 2015 , 23, 40	16
692	Cancer-specific interruption of glucose metabolism by resveratrol is mediated through inhibition of Akt/GLUT1 axis in ovarian cancer cells. 2015 , 54, 1529-40	56
691	The cis-Diammineplatinum(II) Complex of Curcumin: A Dual Action DNA Crosslinking and Photochemotherapeutic Agent. 2015 , 127, 14195-14199	22
690	Direct molecular targets of resveratrol: identifying key interactions to unlock complex mechanisms. 2015 , 1348, 124-33	80
689	Probing treatment response of glutaminolytic prostate cancer cells to natural drugs with hyperpolarized [5-(13) C]glutamine. 2015 , 73, 2296-305	25
688	The cis-Diammineplatinum(II) Complex of Curcumin: A Dual Action DNA Crosslinking and Photochemotherapeutic Agent. 2015 , 54, 13989-93	82
687	Intracellular Acidosis Promotes Mitochondrial Apoptosis Pathway: Role of EMMPRIN Down-regulation via Specific Single-chain Fv Intrabody. 2015 , 6, 276-86	11
686	A comparative analysis of inhibitors of the glycolysis pathway in breast and ovarian cancer cell line models. 2015 , 6, 25677-95	83
685	Quantitative correlation at the molecular level of tumor response to docetaxel by multimodal diffusion-weighted magnetic resonance imaging and [¹⁸ F]FDG/[¹⁸ F]FLT positron emission tomography. 2014 , 13,	5
684	Application of metabolomics in drug resistant breast cancer research. 2015 , 5, 100-18	38
683	Cancer Metabolism and Drug Resistance. 2015 , 5, 571-600	101
682	Chemoprevention of Breast Cancer by Dietary Polyphenols. 2015 , 20, 22578-620	67
681	Potentiality of volatile organic compounds to discriminate patients with cancer by using chemometric tools. 2015 , 166-184	1
680	Modulation of cell metabolic pathways and oxidative stress signaling contribute to acquired melphalan resistance in multiple myeloma cells. 2015 , 10, e0119857	37
679	Synergistic Effects between mTOR Complex 1/2 and Glycolysis Inhibitors in Non-Small-Cell Lung Carcinoma Cells. 2015 , 10, e0132880	15
678	BAI1-Associated Protein 2-Like 1 (BAIAP2L1) Is a Potential Biomarker in Ovarian Cancer. 2015 , 10, e0133081	14
677	Targeting Tumor Metabolism for Cancer Treatment: Is Pyruvate Dehydrogenase Kinases (PDKs) a Viable Anticancer Target?. 2015 , 11, 1390-400	93
676	Targeting Glutamine Induces Apoptosis: A Cancer Therapy Approach. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 22830-55	6.3 82

675	Metformin Induces Cell Cycle Arrest and Apoptosis in Drug-Resistant Leukemia Cells. 2015 , 2015, 516460	14
674	Glycolytic metabolism influences global chromatin structure. 2015 , 6, 4214-25	53
673	Fasting induces anti-Warburg effect that increases respiration but reduces ATP-synthesis to promote apoptosis in colon cancer models. 2015 , 6, 11806-19	97
672	Glutaminolysis and autophagy in cancer. 2015 , 11, 1198-208	75
671	Overexpression of pyruvate dehydrogenase kinase supports dichloroacetate as a candidate for cutaneous melanoma therapy. 2015 , 19, 733-45	15
670	Targeting glycogen metabolism in bladder cancer. 2015 , 12, 383-91	40
669	Recent advances of thermally responsive nanogels for cancer therapy. 2015 , 6, 1157-69	10
668	Ionizing radiation induces myofibroblast differentiation via lactate dehydrogenase. 2015 , 309, L879-87	26
667	Bitter melon juice targets molecular mechanisms underlying gemcitabine resistance in pancreatic cancer cells. 2015 , 46, 1849-57	20
666	MicroRNA-135b regulates the stability of PTEN and promotes glycolysis by targeting USP13 in human colorectal cancers. 2015 , 33, 1342-8	23
665	PGC-1 β s responsible for survival of multiple myeloma cells under hyperglycemia and chemotherapy. 2015 , 33, 2086-92	11
664	Effects of the suppression of lactate dehydrogenase A on the growth and invasion of human gastric cancer cells. 2015 , 33, 157-62	33
663	Preventing Alzheimer's disease by means of natural selection. 2015 , 12, 20140919	18
662	Target specific delivery of anticancer drug in silk fibroin based 3D distribution model of bone-breast cancer cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2269-79	9.5 58
661	Inhibition of S6K1 enhances dichloroacetate-induced cell death. 2015 , 141, 1171-9	6
660	Avasimibe encapsulated in human serum albumin blocks cholesterol esterification for selective cancer treatment. 2015 , 9, 2420-32	50
659	Identification of proteins associated with Aha1 in HeLa cells by quantitative proteomics. 2015 , 1854, 365-80	10
658	Polyamine metabolism is sensitive to glycolysis inhibition in human neuroblastoma cells. 2015 , 290, 6106-19	28

657	Self-assembled multi-ring formations of glutamine and a possible link to erythema gyratum repens. 2015 , 85, 10-6		3
656	Selective permeabilization of cervical cancer cells to an ionic DNA-binding cytotoxin by activation of P2Y receptors. 2015 , 589, 1498-504		6
655	Metabolomic profiling of hormone-dependent cancers: a bird's eye view. 2015 , 26, 477-85		40
654	Looking into Living Cell Systems: Planar Waveguide Microfluidic NMR Detector for in Vitro Metabolomics of Tumor Spheroids. 2015 , 87, 7402-10		36
653	Sirtuins and the Metabolic Hurdles in Cancer. 2015 , 25, R569-83		48
652	Mitochondria and redox homeostasis as chemotherapeutic targets of <i>Araucaria angustifolia</i> (Bert.) O. Kuntze in human larynx HEp-2 cancer cells. 2015 , 231, 108-18		19
651	Glycolysis-mediated control of blood-brain barrier development and function. 2015 , 64, 174-84		38
650	Trailing TRAIL Resistance: Novel Targets for TRAIL Sensitization in Cancer Cells. <i>Frontiers in Oncology</i> , 2015 , 5, 69	5-3	150
649	A small molecule with anticancer and antimetastatic activities induces rapid mitochondrial-associated necrosis in breast cancer. 2015 , 353, 392-404		19
648	The effect of high glucose levels on the hypermethylation of protein phosphatase 1 regulatory subunit 3C (PPP1R3C) gene in colorectal cancer. 2015 , 94, 75-85		16
647	Understanding the colon cancer stem cells and perspectives on treatment. 2015 , 15, 2		58
646	SIRT1/PGC1 β Dependent Increase in Oxidative Phosphorylation Supports Chemotherapy Resistance of Colon Cancer. 2015 , 21, 2870-9		116
645	Restoration of mitochondria function as a target for cancer therapy. 2015 , 20, 635-43		60
644	Non-thermal plasma with 2-deoxy-D-glucose synergistically induces cell death by targeting glycolysis in blood cancer cells. <i>Scientific Reports</i> , 2015 , 5, 8726	4-9	48
643	Glucose transport machinery reconstituted in cell models. 2015 , 51, 2316-9		23
642	Proteomic analysis of the cytotoxic effects induced by the organogold(III) complex Aubipyc in cisplatin-resistant A2780 ovarian cancer cells: further evidence for the glycolytic pathway implication. 2015 , 11, 1653-67		9
641	Latent carcinogenicity of early-life exposure to dichloroacetic acid in mice. 2015 , 36, 782-91		14
640	Metabolomic and proteomic analysis of breast cancer patient samples suggests that glutamate and 12-HETE in combination with CA15-3 may be useful biomarkers reflecting tumour burden. 2015 , 11, 620-635		14

639	Adipose tissue dysfunction and its effects on tumor metabolism. 2015 , 21, 17-41	23
638	Rewired metabolism in drug-resistant leukemia cells: a metabolic switch hallmarked by reduced dependence on exogenous glutamine. 2015 , 290, 8348-59	57
637	Influence of multidrug resistance and drug transport proteins on chemotherapy drug metabolism. 2015 , 11, 795-809	45
636	NMR ((1)H and (13)C) based signatures of abnormal choline metabolism in oral squamous cell carcinoma with no prominent Warburg effect. 2015 , 459, 574-8	24
635	Exogenous normal mammary epithelial mitochondria suppress glycolytic metabolism and glucose uptake of human breast cancer cells. 2015 , 153, 519-29	16
634	Identification of plasma protein markers common to patients with malignant tumour and Abnormal Savda in Uighur medicine: a prospective clinical study. 2015 , 15, 9	8
633	High specificity targeting and detection of human neuroblastoma using multifunctional anti-GD2 iron-oxide nanoparticles. 2015 , 10, 2973-2988	15
632	Effect of oncogene activating mutations and kinase inhibitors on amino acid metabolism of human isogenic breast cancer cells. 2015 , 11, 3378-86	4
631	Integrated network analysis and logistic regression modeling identify stage-specific genes in Oral Squamous Cell Carcinoma. 2015 , 8, 39	12
630	In Vitro and In Vivo Tumor Targeted Photothermal Cancer Therapy Using Functionalized Graphene Nanoparticles. 2015 , 16, 3519-29	59
629	Influence of ionic strength on the interaction of THA and its Cu(II) complex with DNA helps to explain studies on various breast cancer cells. 2015 , 5, 73099-73111	14
628	Kinome Screen Identifies PFKFB3 and Glucose Metabolism as Important Regulators of the Insulin/Insulin-like Growth Factor (IGF)-1 Signaling Pathway. 2015 , 290, 25834-46	37
627	Research into cancer metabolomics: Towards a clinical metamorphosis. 2015 , 43, 52-64	31
626	Metabolic responses induced by DNA damage and poly (ADP-ribose) polymerase (PARP) inhibition in MCF-7 cells. 2015 , 11, 1779-1791	18
625	Synthesis of a new class of naphthoquinone glycoconjugates and evaluation of their potential as antitumoral agents. 2015 , 5, 96222-96229	11
624	Targeting KRAS-mutant non-small cell lung cancer: challenges and opportunities. 2016 , 48, 11-6	9
623	Identification of the determinants of 2-deoxyglucose sensitivity in cancer cells by shRNA library screening. 2015 , 467, 121-7	17
622	Multi-tasking of biosynthetic and energetic functions of glycolysis explained by supply and demand logic. 2015 , 37, 34-45	17

621	Differential contribution of key metabolic substrates and cellular oxygen in HIF signalling. 2015 , 330, 13-28	22
620	Regulation of rDNA transcription in response to growth factors, nutrients and energy. 2015 , 556, 27-34	65
619	The use of plant-derived bioactive compounds to target cancer stem cells and modulate tumor microenvironment. 2015 , 75, 58-70	111
618	Hypoxia and hypoxia inducible factors in tumor metabolism. 2015 , 356, 263-7	93
617	Human mitochondrial NAD(P)(+)-dependent malic enzyme participates in cutaneous melanoma progression and invasion. 2015 , 135, 807-815	29
616	Controlled glucose consumption in yeast using a transistor-like device. <i>Scientific Reports</i> , 2014 , 4, 5429 4.9	11
615	Cell death controlling complexes and their potential therapeutic role. 2015 , 72, 505-517	27
614	Hexokinase II integrates energy metabolism and cellular protection: Acting on mitochondria and TORCing to autophagy. 2015 , 22, 248-57	199
613	Quantitative proteomic analysis of global effect of LLL12 on U87 cell's proteome: An insight into the molecular mechanism of LLL12. 2015 , 113, 127-42	17
612	Re-sensitization of 5-FU resistance by SPARC through negative regulation of glucose metabolism in hepatocellular carcinoma. 2015 , 36, 303-13	9
611	Infliximab enhances the therapeutic effects of 5-fluorouracil resulting in tumor regression in colon cancer. 2016 , 9, 5999-6008	9
610	miR-125b acts as a tumor suppressor in chondrosarcoma cells by the sensitization to doxorubicin through direct targeting the ErbB2-regulated glucose metabolism. 2016 , 10, 571-83	23
609	Poly(ADP-ribose) polymerase regulates glycolytic activity in kidney proximal tubule epithelial cells. 2016 , 49, 79-87	11
608	Metabolic shift toward oxidative phosphorylation in docetaxel resistant prostate cancer cells. 2016 , 7, 61890-61904	68
607	Determination of trans-resveratrol action on two different types of neuronal cells, neuroblastoma and hippocampal cells. 2016 , 34, 118-126	0
606	Inhibition of microRNA-155 sensitizes lung cancer cells to irradiation via suppression of HK2-modulated glucose metabolism. 2016 , 14, 1332-8	30
605	Role of Mitochondrial DNA Copy Number Alteration in Human Renal Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3 35
604	MASM, a Matrine Derivative, Offers Radioprotection by Modulating Lethal Total-Body Irradiation-Induced Multiple Signaling Pathways in Wistar Rats. 2016 , 21,	8

603	FLIP(L) is critical for aerobic glycolysis in hepatocellular carcinoma. 2016 , 35, 79	12
602	A Novel Malate Dehydrogenase 2 Inhibitor Suppresses Hypoxia-Inducible Factor-1 by Regulating Mitochondrial Respiration. 2016 , 11, e0162568	30
601	Oncogenic regulation of tumor metabolic reprogramming. 2016 , 7, 62726-62753	82
600	Liver-specific mono-unsaturated fatty acid synthase-1 inhibitor for anti-hepatitis C treatment. 2016 , 132, 262-7	14
599	Resistance to chemotherapy is associated with altered glucose metabolism in acute myeloid leukemia. 2016 , 12, 334-342	53
598	Tigecycline targets nonsmall cell lung cancer through inhibition of mitochondrial function. 2016 , 30, 297-306	30
597	Natural Polyphenols in Cancer Chemoresistance. 2016 , 68, 879-91	35
596	Resveratrol inhibits ovarian tumor growth in an in vivo mouse model. 2016 , 122, 722-9	48
595	Regulation of energy homeostasis by the ubiquitin-independent REG1 proteasome. 2016 , 7, 12497	43
594	Metabolic regulatory network alterations reveal different therapeutic effects of cisplatin and Rhizoma paridis saponins in Lewis pulmonary adenoma mice. 2016 , 6, 115029-115038	11
593	MicroRNA-181b inhibits glycolysis in gastric cancer cells via targeting hexokinase 2 gene. 2016 , 17, 75-81	34
592	Differential glycolytic profile and Warburg effect in papillary thyroid carcinoma cell lines. 2016 , 36, 3673-3681	10
591	The effect of dichloroacetate in canine prostate adenocarcinomas and transitional cell carcinomas in vitro. 2016 , 49, 2341-2350	17
590	Doxycycline inhibits proliferation and induces apoptosis of both human papillomavirus positive and negative cervical cancer cell lines. 2016 , 94, 526-33	18
589	Fatty acid oxidation and carnitine palmitoyltransferase I: emerging therapeutic targets in cancer. <i>Cell Death and Disease</i> , 2016 , 7, e2226	9.8 217
588	Clinical and therapeutic significance of sirtuin-4 expression in colorectal cancer. 2016 , 35, 2801-10	32
587	Metabolomics in rheumatic diseases: desperately seeking biomarkers. 2016 , 12, 269-81	95
586	Metabolic Suppression of a Drug-Resistant Subpopulation in Cancer Spheroid Cells. 2016 , 117, 59-65	18

585	Lactate dehydrogenase inhibition: exploring possible applications beyond cancer treatment. 2016 , 8, 713-25	19
584	Immunoregulatory Protein B7-H3 Reprograms Glucose Metabolism in Cancer Cells by ROS-Mediated Stabilization of HIF1 α 2016 , 76, 2231-42	65
583	Overexpression of microRNA-133b sensitizes non-small cell lung cancer cells to irradiation through the inhibition of glycolysis. 2016 , 11, 2903-2908	31
582	Effects of curcumin on cancer cell mitochondrial function and potential monitoring with 18 F-FDG uptake. 2016 , 35, 861-8	16
581	Mitochondrial dysfunction-mediated apoptosis resistance associates with defective heat shock protein response in African-American men with prostate cancer. 2016 , 114, 1090-100	22
580	Chemokines, cytokines and exosomes help tumors to shape inflammatory microenvironment. 2016 , 168, 98-112	77
579	Glutaminase 1 inhibition reduces thymidine synthesis in NSCLC. 2016 , 477, 374-82	13
578	Enhanced Fructose Utilization Mediated by SLC2A5 Is a Unique Metabolic Feature of Acute Myeloid Leukemia with Therapeutic Potential. 2016 , 30, 779-791	104
577	Energy sources identify metabolic phenotypes in pancreatic cancer. 2016 , 48, 969-979	17
576	The metabolomic signature of hematologic malignancies. 2016 , 49, 22-35	14
575	Investigating Effects of Acidic pH on Proliferation, Invasion and Drug-Induced Apoptosis in Lymphoblastic Leukemia. 2016 , 9, 119-126	16
574	Identification of informative genes and pathways using an improved penalized support vector machine with a weighting scheme. 2016 , 77, 102-15	15
573	Clinical significance of T cell metabolic reprogramming in cancer. 2016 , 5, 29	51
572	Resveratrol inhibits Hexokinases II mediated glycolysis in non-small cell lung cancer via targeting Akt signaling pathway. 2016 , 349, 320-327	52
571	Selected polyphenols potentiate the apoptotic efficacy of glycolytic inhibitors in human acute myeloid leukemia cell lines. Regulation by protein kinase activities. 2016 , 16, 70	9
570	Genetic alterations in fatty acid transport and metabolism genes are associated with metastatic progression and poor prognosis of human cancers. <i>Scientific Reports</i> , 2016 , 6, 18669	4.9 103
569	Downregulating microRNA-144 mediates a metabolic shift in lung cancer cells by regulating GLUT1 expression. 2016 , 11, 3772-3776	39
568	Caveolin-1 in the regulation of cell metabolism: a cancer perspective. 2016 , 15, 71	89

567	Decreased glutathione biosynthesis contributes to EGFR T790M-driven erlotinib resistance in non-small cell lung cancer. 2016 , 2, 16031		13
566	Cancer stem cell metabolism: a potential target for cancer therapy. 2016 , 15, 69		108
565	In vitro and in vivo study of epigallocatechin-3-gallate-induced apoptosis in aerobic glycolytic hepatocellular carcinoma cells involving inhibition of phosphofructokinase activity. <i>Scientific Reports</i> , 2016 , 6, 28479	4.9	62
564	3D microtumors in vitro supported by perfused vascular networks. <i>Scientific Reports</i> , 2016 , 6, 31589	4.9	209
563	Antibiotic drug levofloxacin inhibits proliferation and induces apoptosis of lung cancer cells through inducing mitochondrial dysfunction and oxidative damage. 2016 , 84, 1137-1143		29
562	Synergism of metabolic modulators Bet-CA and LDCA: a rational combinatorial approach to selectively combat cancer associated hallmark traits. 2016 , 6, 66457-66467		1
561	Metabolic clusters of breast cancer in relation to gene- and protein expression subtypes. 2016 , 4, 12		47
560	Anticancer activity of Kalanchoe tubiflora extract against human lung cancer cells in vitro and in vivo. 2016 , 31, 1663-1673		12
559	Definition of a Novel Feed-Forward Mechanism for Glycolysis-HIF1 α Signaling in Hypoxic Tumors Highlights Aldolase A as a Therapeutic Target. 2016 , 76, 4259-4269		43
558	Membrane Disordering by Eicosapentaenoic Acid in B Lymphomas Is Reduced by Elongation to Docosapentaenoic Acid as Revealed with Solid-State Nuclear Magnetic Resonance Spectroscopy of Model Membranes. 2016 , 146, 1283-9		9
557	Oleanolic Acid Inhibits High Salt-Induced Exaggeration of Warburg-like Metabolism in Breast Cancer Cells. 2016 , 74, 427-34		30
556	Cell population heterogeneity and evolution towards drug resistance in cancer: Biological and mathematical assessment, theoretical treatment optimisation. 2016 , 1860, 2627-45		45
555	Ammonium ions improve the survival of glutamine-starved hybridoma cells. 2016 , 6, 23		5
554	Nuclear Phosphoproteomic Screen Uncovers ACLY as Mediator of IL-2-induced Proliferation of CD4+ T lymphocytes. 2016 , 15, 2076-92		29
553	Inulin coated plasmonic gold nanoparticles as a tumor-selective tool for cancer therapy. 2016 , 4, 1150-1155		40
552	Inhibition of glutamine utilization sensitizes lung cancer cells to apigenin-induced apoptosis resulting from metabolic and oxidative stress. 2016 , 48, 399-408		50
551	Effects of bleomycin and antioxidants on the fatty acid profile of testicular cancer cell membranes. 2016 , 1858, 434-41		17
550	miR-155 Drives Metabolic Reprogramming of ER+ Breast Cancer Cells Following Long-Term Estrogen Deprivation and Predicts Clinical Response to Aromatase Inhibitors. 2016 , 76, 1615-26		59

549	Activation of mitochondrial oxidation by PDK2 inhibition reverses cisplatin resistance in head and neck cancer. 2016 , 371, 20-9	48
548	Autophagic flux in glioblastoma cells. 2016 , 92, 665-678	5
547	Cancer stem cell molecular reprogramming of the Warburg effect in glioblastomas: a new target gleaned from an old concept. 2016 , 5, 101-8	46
546	The role of tumor microenvironment in melanoma therapy resistance. 2016 , 3, 23-32	12
545	Overexpression of ErbB2 renders breast cancer cells susceptible to 3-BrPA through the increased dissociation of hexokinase II from mitochondrial outer membrane. 2016 , 11, 1567-1573	5
544	miR-4458 suppresses glycolysis and lactate production by directly targeting hexokinase2 in colon cancer cells. 2016 , 469, 37-43	42
543	Glutamine drives glutathione synthesis and contributes to radiation sensitivity of A549 and H460 lung cancer cell lines. 2016 , 1860, 836-43	68
542	Notch stimulates growth by direct regulation of genes involved in the control of glycolysis and the tricarboxylic acid cycle. 2016 , 6, 150155	35
541	Modulation of glycolysis and lipogenesis by novel PI3K selective molecule represses tumor angiogenesis and decreases colorectal cancer growth. 2016 , 374, 250-60	16
540	Supramolecular Probes for Assessing Glutamine Uptake Enable Semi-Quantitative Metabolic Models in Single Cells. 2016 , 138, 3085-93	25
539	Blockage of glutaminolysis enhances the sensitivity of ovarian cancer cells to PI3K/mTOR inhibition involvement of STAT3 signaling. 2016 , 37, 11007-15	24
538	A Systems Oncology Approach Identifies NT5E as a Key Metabolic Regulator in Tumor Cells and Modulator of Platinum Sensitivity. 2016 , 15, 280-90	17
537	Nanotechnology inspired tools for mitochondrial dysfunction related diseases. 2016 , 99, 52-69	77
536	Perturbation of energy metabolism by fatty-acid derivative AIC-47 and imatinib in BCR-ABL-harboring leukemic cells. 2016 , 371, 1-11	27
535	Targeting HIF-1 β s a prerequisite for cell sensitivity to dichloroacetate (DCA) and metformin. 2016 , 469, 164-70	16
534	Targeting lipid metabolism for the treatment of anaplastic thyroid carcinoma. 2016 , 20, 159-66	6
533	PAT4 levels control amino-acid sensitivity of rapamycin-resistant mTORC1 from the Golgi and affect clinical outcome in colorectal cancer. 2016 , 35, 3004-15	44
532	Targeting Antioxidant Pathways with Ferrocenylated π -Heterocyclic Carbene Supported Gold(I) Complexes in A549 Lung Cancer Cells. 2016 , 7, 1245-1256	62

531	The Regulation and Function of Lactate Dehydrogenase A: Therapeutic Potential in Brain Tumor. 2016 , 26, 3-17	234
530	Inorganic nanoparticles for biomedicine: where materials scientists meet medical research. 2016 , 19, 19-28	196
529	Uncovering metabolism in rhabdomyosarcoma. 2016 , 15, 184-95	14
528	Metabolic reprogramming in glioblastoma: the influence of cancer metabolism on epigenetics and unanswered questions. 2016 , 18, 160-72	142
527	In vitro effects of some flavonoids and phenolic acids on human pyruvate kinase isoenzyme M2. 2016 , 31, 314-7	24
526	Overcoming the Heat Endurance of Tumor Cells by Interfering with the Anaerobic Glycolysis Metabolism for Improved Photothermal Therapy. 2017 , 11, 1419-1431	197
525	Paclitaxel-resistant cancer cell-derived secretomes elicit ABCB1-associated docetaxel cross-resistance and escape from apoptosis through FOXO3a-driven glycolytic regulation. 2017 , 49, e286	23
524	Anti-proliferative, anti-inflammatory and pro-apoptotic effects of <i>Dunaliella salina</i> on human KB oral carcinoma cells. 2017 , 41, e12349	10
523	Sequential enzymatic derivatization coupled with online microdialysis sampling for simultaneous profiling of mouse tumor extracellular hydrogen peroxide, lactate, and glucose. 2017 , 956, 24-31	5
522	Cancer metabolism: the volatile signature of glycolysis-in vitro model in lung cancer cells. 2017 , 11, 016008	20
521	Induction of metastasis, cancer stem cell phenotype, and oncogenic metabolism in cancer cells by ionizing radiation. 2017 , 16, 10	253
520	Phosphoglycerate mutase 1 regulates dNTP pool and promotes homologous recombination repair in cancer cells. 2017 , 216, 409-424	38
519	Bone Marrow Adipocytes Facilitate Fatty Acid Oxidation Activating AMPK and a Transcriptional Network Supporting Survival of Acute Monocytic Leukemia Cells. 2017 , 77, 1453-1464	84
518	Targeting PFKFB3 in the Endothelium for Cancer Therapy. 2017 , 23, 197-200	7
517	Bipartite network analysis reveals metabolic gene expression profiles that are highly associated with the clinical outcomes of acute myeloid leukemia. 2017 , 67, 150-157	5
516	Metabolic Study of Cancer Cells Using a pH Sensitive Hydrogel Nanofiber Light Addressable Potentiometric Sensor. 2017 , 2, 151-156	45
515	Biocompatible, Multiresponsive Nanogel Composites for Codelivery of Antiangiogenic and Chemotherapeutic Agents. 2017 , 29, 2303-2313	24
514	Oridonin induces autophagy via inhibition of glucose metabolism in p53-mutated colorectal cancer cells. <i>Cell Death and Disease</i> , 2017 , 8, e2633	9.8 68

513	Dependence On Glycolysis Sensitizes BRAF-mutated Melanomas For Increased Response To Targeted BRAF Inhibition. <i>Scientific Reports</i> , 2017 , 7, 42604	4.9	30
512	Modeling the Genetic Regulation of Cancer Metabolism: Interplay between Glycolysis and Oxidative Phosphorylation. 2017 , 77, 1564-1574		142
511	Sorafenib and FH535 in combination act synergistically on hepatocellular carcinoma by targeting cell bioenergetics and mitochondrial function. 2017 , 49, 697-704		19
510	Oncogenic role of PDK4 in human colon cancer cells. 2017 , 116, 930-936		55
509	Selective elimination of neuroblastoma cells by synergistic effect of Akt kinase inhibitor and tetrathiomolybdate. 2017 , 21, 1859-1869		11
508	Interplay between Immune Checkpoint Proteins and Cellular Metabolism. 2017 , 77, 1245-1249		58
507	Concept of Targeted Cancer Stem Cell Therapy and New Versions. 2017 , 113-123		
506	Fatty acid synthase regulates the chemosensitivity of breast cancer cells to cisplatin-induced apoptosis. 2017 , 22, 865-876		25
505	Metabolic inhibitors accentuate the anti-tumoral effect of HDAC5 inhibition. 2017 , 36, 4859-4874		13
504	Phenyl butyrate inhibits pyruvate dehydrogenase kinase 1 and contributes to its anti-cancer effect. 2017 , 110, 93-100		10
503	Expression of HMGB2 indicates worse survival of patients and is required for the maintenance of Warburg effect in pancreatic cancer. 2017 , 49, 119-127		33
502	MicroRNA-34a Encapsulated in Hyaluronic Acid Nanoparticles Induces Epigenetic Changes with Altered Mitochondrial Bioenergetics and Apoptosis in Non-Small-Cell Lung Cancer Cells. <i>Scientific Reports</i> , 2017 , 7, 3636	4.9	18
501	Overexpression of the giant FAT1 cadherin gene and its prognostic significance in de novo acute leukaemia patients. 2017 , 26, 505-512		
500	PPAR γ Reprograms Glutamine Metabolism in Sorafenib-Resistant HCC. 2017 , 15, 1230-1242		30
499	Functional Optical Imaging of Primary Human Tumor Organoids: Development of a Personalized Drug Screen. 2017 , 58, 1367-1372		26
498	MICU1 drives glycolysis and chemoresistance in ovarian cancer. 2017 , 8, 14634		81
497	The novel hypoxia-inducible factor-1 α inhibitor IDF-11774 regulates cancer metabolism, thereby suppressing tumor growth. <i>Cell Death and Disease</i> , 2017 , 8, e2843	9.8	49
496	Wanted DEAD/H or Alive: Helicases Winding Up in Cancers. 2017 , 109,		45

495	VDAC1 is a molecular target in glioblastoma, with its depletion leading to reprogrammed metabolism and reversed oncogenic properties. 2017 , 19, 951-964		39
494	Multi-step encapsulation of chemotherapy and gene silencing agents in functionalized mesoporous silica nanoparticles. 2017 , 9, 5329-5341		46
493	Strategies to Target Glucose Metabolism in Tumor Microenvironment on Cancer by Flavonoids. 2017 , 69, 534-554		15
492	Neuromedin U alters bioenergetics and expands the cancer stem cell phenotype in HER2-positive breast cancer. 2017 , 140, 2771-2784		14
491	The therapeutic potential of targeting ABC transporters to combat multi-drug resistance. 2017 , 21, 511-530		80
490	Integrative transcriptome analysis of liver cancer profiles identifies upstream regulators and clinical significance of ACSM3 gene expression. 2017 , 40, 219-233		13
489	Drug resistance in pancreatic cancer: Impact of altered energy metabolism. 2017 , 114, 139-152		123
488	Extracellular matrix protein Reelin promotes myeloma progression by facilitating tumor cell proliferation and glycolysis. <i>Scientific Reports</i> , 2017 , 7, 45305	4-9	13
487	A key role of nuclear factor Y in the refeeding response of fatty acid synthase in adipocytes. 2017 , 591, 965-978		11
486	Kinetic analysis, size profiling, and bioenergetic association of DNA released by selected cell lines in vitro. 2017 , 74, 2689-2707		26
485	Inhibition of autophagy enhances the selective anti-cancer activity of tigecycline to overcome drug resistance in the treatment of chronic myeloid leukemia. 2017 , 36, 43		26
484	Tumor-Specific Multiple Stimuli-Activated Dendrimeric Nanoassemblies with Metabolic Blockade Surmount Chemotherapy Resistance. 2017 , 11, 416-429		101
483	Metabotypes of breast cancer cell lines revealed by non-targeted metabolomics. 2017 , 43, 173-186		19
482	Morin and Esculetin supplementation modulates c-myc induced energy metabolism and attenuates neoplastic changes in rats challenged with the procarcinogen 1,2 - dimethylhydrazine. 2017 , 796, 20-31		26
481	Ferritin nanocages loaded with gold ions induce oxidative stress and apoptosis in MCF-7 human breast cancer cells. 2017 , 46, 15354-15362		25
480	Targeting Metabolism for Cancer Therapy. 2017 , 24, 1161-1180		414
479	Real-time monitoring system for evaluating the acid-producing activity of oral squamous cell carcinoma cells at different environmental pH. <i>Scientific Reports</i> , 2017 , 7, 10092	4-9	8
478	Oxamate potentiates taxol chemotherapeutic efficacy in experimentally-induced solid ehrlich carcinoma (SEC) in mice. 2017 , 95, 1565-1573		11

477	Targeting energy metabolism of cancer cells: Combined administration of NCL-240 and 2-DG. 2017 , 532, 149-156		13
476	Regulation of cell signaling pathways by dietary agents for cancer prevention and treatment. 2017 , 46, 158-181		42
475	ATP alters protein folding and function of Escherichia coli uridine phosphorylase. 2017 , 634, 11-20		3
474	Investigation of Mitochondrial Metabolic Response to Doxorubicin in Prostate Cancer Cells: An NADH, FAD and Tryptophan FLIM Assay. <i>Scientific Reports</i> , 2017 , 7, 10451	4.9	54
473	MUC1-Mediated Metabolic Alterations Regulate Response to Radiotherapy in Pancreatic Cancer. 2017 , 23, 5881-5891		39
472	Mitochondrial dysfunction and potential anticancer therapy. 2017 , 37, 1275-1298		24
471	Proteomic and Metabolomic Characterization of a Mammalian Cellular Transition from Quiescence to Proliferation. 2017 , 20, 721-736		25
470	Dual targeting of the cancer antioxidant network with 1,4-naphthoquinone fused Gold(i) N-heterocyclic carbene complexes. 2017 , 8, 5918-5929		44
469	An Essential Role for the Tumor-Suppressor Merlin in Regulating Fatty Acid Synthesis. 2017 , 77, 5026-5038		12
468	A Positive Feedback Loop between Sestrin2 and mTORC2 Is Required for the Survival of Glutamine-Depleted Lung Cancer Cells. 2017 , 20, 586-599		45
467	Whole exome sequencing reveals inherited and de novo variants in autism spectrum disorder: a trio study from Saudi families. <i>Scientific Reports</i> , 2017 , 7, 5679	4.9	43
466	PGC-1alpha levels correlate with survival in patients with stage III NSCLC and may define a new biomarker to metabolism-targeted therapy. <i>Scientific Reports</i> , 2017 , 7, 16661	4.9	16
465	The biology and mathematical modelling of glioma invasion: a review. 2017 , 14,		98
464	Pyruvate kinase M2 interacts with mammalian sterile 20-like kinase 1 and inhibits tamoxifen-induced apoptosis in human breast cancer cells. 2017 , 39, 1010428317692251		3
463	Novel Therapies for Acute Myeloid Leukemia: Are We Finally Breaking the Deadlock?. 2017 , 12, 413-447		18
462	Cancer Cell Membrane Camouflaged Cascade Bioreactor for Cancer Targeted Starvation and Photodynamic Therapy. 2017 , 11, 7006-7018		492
461	Non-metabolic functions of glycolytic enzymes in tumorigenesis. 2017 , 36, 2629-2636		65
460	Pre-instillation of tumor microparticles enhances intravesical chemotherapy of nonmuscle-invasive bladder cancer through a lysosomal pathway. 2017 , 113, 93-104		20

459	Toll-like receptor 3 stimulation triggers metabolic reprogramming in pharyngeal cancer cell line through Myc, MAPK, and HIF. 2017 , 56, 1214-1226	20
458	Non-Invasive Glutamine PET Reflects Pharmacological Inhibition of BRAF In Vivo. 2017 , 19, 421-428	13
457	Autofluorescence flow sorting of breast cancer cell metabolism. 2017 , 10, 1026-1033	5
456	Current Challenges toward In Vitro Cellular Validation of Inorganic Nanoparticles. 2017 , 28, 212-221	61
455	An update on the use of benzoate, phenylacetate and phenylbutyrate ammonia scavengers for interrogating and modifying liver nitrogen metabolism and its implications in urea cycle disorders and liver disease. 2017 , 13, 439-448	27
454	Recapitulating the human tumor microenvironment: Colon tumor-derived extracellular matrix promotes angiogenesis and tumor cell growth. 2017 , 116, 118-129	69
453	Targeting Metabolic Vulnerabilities in RAS-Mutant Cells. 2017 , 193-212	0
452	Glycometabolic adaptation mediates the insensitivity of drug-resistant K562/ADM leukaemia cells to adriamycin via the AKT-mTOR/c-Myc signalling pathway. 2017 , 15, 1869-1876	24
451	Synthesis and Cytotoxic Evaluation of Glucoconjugated Ethylmompain Derivatives. 2017 , 12, 1934578X1701200	
450	Identification of Epigallocatechin-3- Gallate as an Inhibitor of Phosphoglycerate Mutase 1. 2017 , 8, 325	33
449	Inhibition of 6-phosphogluconate Dehydrogenase Reverses Cisplatin Resistance in Ovarian and Lung Cancer. 2017 , 8, 421	43
448	Co-delivery nanocarriers targeting folate receptor and encapsulating 2-deoxyglucose and Tocopherol succinate enhance anti-tumor effect in vivo. 2017 , 12, 5701-5715	19
447	Metabolic Alterations of Thyroid Cancer as Potential Therapeutic Targets. 2017 , 2017, 2545031	21
446	Fe-S Clusters Emerging as Targets of Therapeutic Drugs. 2017 , 2017, 3647657	23
445	MUC1 facilitates metabolomic reprogramming in triple-negative breast cancer. 2017 , 12, e0176820	18
444	Silencing the Girdin gene enhances radio-sensitivity of hepatocellular carcinoma via suppression of glycolytic metabolism. 2017 , 36, 110	24
443	Relationship of Metabolic Alterations and PD-L1 Expression in Cisplatin Resistant Lung Cancer. 2017 , 6,	26
442	The dual-hit metabolic modulator LDCA synergistically potentiates doxorubicin to selectively combat cancer-associated hallmarks. 2017 , 7, 53322-53333	1

- 441 Oxaliplatin and Infliximab Combination Synergizes in Inducing Colon Cancer Regression. **2017**, 23, 780-789 7
- 440 Anti-cancer effect of a novel 2,3-dithiocarbamate-substituted naphthoquinone as a tumor metabolic suppressor and. **2018**, 9, 632-638 4
- 439 Synthesis and antitumor evaluation of hybrids of 5,8-dioxo-5,8-dihydroisoquinoline-4-carboxylates and carbohydrates. **2018**, 10, 527-540 4
- 438 Molecular targeting of glutaminase sensitizes ovarian cancer cells to chemotherapy. **2018**, 119, 6136-6145 31
- 437 Effects of glaucocalyxin A on human liver cancer cells as revealed by GC/MS- and LC/MS-based metabolic profiling. **2018**, 410, 3325-3335 17
- 436 Non-apoptotic cell death in malignant tumor cells and natural compounds. **2018**, 420, 210-227 46
- 435 Rational cell culture optimization enhances experimental reproducibility in cancer cells. *Scientific Reports*, **2018**, 8, 3029 4.9 18
- 434 2-Deoxy-D-glucose enhances TRAIL-induced apoptosis in human gastric cancer cells through downregulating JNK-mediated cytoprotective autophagy. **2018**, 81, 555-564 14
- 433 LPA Induces Metabolic Reprogramming in Ovarian Cancer via a Pseudohypoxic Response. **2018**, 78, 1923-1934 42
- 432 Application of Mono- and Disaccharides in Drug Targeting and Efficacy. **2018**, 13, 764-778 21
- 431 A novel ex vivo method for measuring whole brain metabolism in model systems. **2018**, 296, 32-43 15
- 430 Cancer cell metabolic plasticity allows resistance to NAMPT inhibition but invariably induces dependence on LDHA. **2018**, 6, 1 23
- 429 O-GlcNAc elevation through activation of the hexosamine biosynthetic pathway enhances cancer cell chemoresistance. *Cell Death and Disease*, **2018**, 9, 485 9.8 36
- 428 Black bean peptides inhibit glucose uptake in Caco-2 adenocarcinoma cells by blocking the expression and translocation pathway of glucose transporters. **2018**, 5, 552-560 18
- 427 Elovl6 is a negative clinical predictor for liver cancer and knockdown of Elovl6 reduces murine liver cancer progression. *Scientific Reports*, **2018**, 8, 6586 4.9 20
- 426 Deregulated angiogenesis in chronic lung diseases: a possible role for lung mesenchymal progenitor cells (2017 Grover Conference Series). **2018**, 8, 2045893217739807 8
- 425 A novel tumor-targeting treatment strategy uses energy restriction via co-delivery of albendazole and nanosilver. **2018**, 11, 4507-4523 15
- 424 Aberrant lipid metabolism in cancer cells - the role of oncolipid-activated signaling. **2018**, 285, 432-443 61

423	Glucose starvation impairs DNA repair in tumour cells selectively by blocking histone acetylation. 2018 , 126, 465-470	12
422	Musa paradisiaca inflorescence induces human colon cancer cell death by modulating cascades of transcriptional events. 2018 , 9, 511-524	8
421	Breast cancer-associated mitochondrial DNA haplogroup promotes neoplastic growth via ROS-mediated AKT activation. 2018 , 142, 1786-1796	27
420	Cytostatic hydroxycoumarin OT52 induces ER/Golgi stress and STAT3 inhibition triggering non-canonical cell death and synergy with BH3 mimetics in lung cancer. 2018 , 416, 94-108	28
419	Synthesis and antitumor activity of novel 2, 3-didithiocarbamate substituted naphthoquinones as inhibitors of pyruvate kinase M2 isoform. 2018 , 33, 126-129	19
418	Reprogramming of Glucose Metabolism by Zerumbone Suppresses Hepatocarcinogenesis. 2018 , 16, 256-268	20
417	Symmetric molecules with 1,4-triazole moieties as potent inhibitors of tumour-associated lactate dehydrogenase-A. 2018 , 33, 147-150	8
416	Glycolysis gatekeeper PDK1 reprograms breast cancer stem cells under hypoxia. 2018 , 37, 1062-1074	107
415	Molecular mechanisms of drug resistance in ovarian cancer. 2018 , 233, 4546-4562	96
414	Taurine up-regulated gene 1 functions as a master regulator to coordinate glycolysis and metastasis in hepatocellular carcinoma. 2018 , 67, 188-203	90
413	Mass Spectrometry-Based Method to Study Inhibitor-Induced Metabolic Redirection in the Central Metabolism of Cancer Cells. 2018 , 7, A0067	4
412	Cytotoxicity of nimbolide towards multidrug-resistant tumor cells and hypersensitivity via cellular metabolic modulation. 2018 , 9, 35762-35779	20
411	A New Insight into the Development of Novel Anti-Cancer Drugs that Improve the Expression of Mitochondrial Function-Associated Genes. 2018 ,	
410	Mitochondrial VDAC1 Silencing Leads to Metabolic Rewiring and the Reprogramming of Tumour Cells into Advanced Differentiated States. 2018 , 10,	30
409	ORY-1001 Suppresses Cell Growth and Induces Apoptosis in Lung Cancer Through Triggering HK2 Mediated Warburg Effect. 2018 , 9, 1411	13
408	Alpha-enolase regulates the malignant phenotype of pulmonary artery smooth muscle cells via the AMPK-Akt pathway. 2018 , 9, 3850	53
407	Alterations of MicroRNA Expression in the Liver, Heart, and Testis of Mice Upon Exposure to Repeated Low-Dose Radiation. 2018 , 16, 1559325818799561	7
406	Hepatocellular carcinoma-associated hypercholesterolemia: involvement of proprotein-convertase-subtilisin-kexin type-9 (PCSK9). 2018 , 6, 16	14

405	Response of Cisplatin Resistant Skov-3 Cells to [Pt(-Acac)(EAcac)(DMS)] Treatment Revealed by a Metabolomic ¹ H-NMR Study. 2018 , 23,		19
404	The Krebs Cycle Connection: Reciprocal Influence Between Alternative Splicing Programs and Cell Metabolism. <i>Frontiers in Oncology</i> , 2018 , 8, 408	5.3	10
403	Targeting glycometabolic reprogramming to restore the sensitivity of leukemia drug-resistant K562/ADM cells to adriamycin. 2018 , 215, 1-10		13
402	Molecular Changes of Lung Malignancy in HIV Infection. <i>Scientific Reports</i> , 2018 , 8, 13128	4.9	6
401	Anti-cancer effects of Rhizoma Curcumae against doxorubicin-resistant breast cancer cells. 2018 , 13, 44		13
400	p53 and metabolism: from mechanism to therapeutics. 2018 , 9, 23780-23823		67
399	Prioritization of Transporter-Drug Relationships From Drug Sensitivity Screens. 2018 , 9, 1011		17
398	Overcoming Drug Resistance by Targeting Cancer Bioenergetics with an Activatable Prodrug. 2018 , 4, 2370-2383		52
397	Computer-aided discovery and biological characterization of human lactate dehydrogenase 5 inhibitors with anti-osteosarcoma activity. 2018 , 28, 2229-2233		5
396	Sodium orthovanadate overcomes sorafenib resistance of hepatocellular carcinoma cells by inhibiting Na/K-ATPase activity and hypoxia-inducible pathways. <i>Scientific Reports</i> , 2018 , 8, 9706	4.9	15
395	Protein N-glycosylation alteration and glycolysis inhibition both contribute to the antiproliferative action of 2-deoxyglucose in breast cancer cells. 2018 , 171, 581-591		17
394	Targeting mitochondria in cancer: current concepts and immunotherapy approaches. 2018 , 202, 35-51		61
393	The role of metabolism and tunneling nanotube-mediated intercellular mitochondria exchange in cancer drug resistance. 2018 , 475, 2305-2328		41
392	Inhibition of Glucose-6-Phosphate Dehydrogenase Reverses Cisplatin Resistance in Lung Cancer Cells via the Redox System. 2018 , 9, 43		28
391	miR-9 regulates ferroptosis by targeting glutamic-oxaloacetic transaminase GOT1 in melanoma. 2018 , 57, 1566-1576		62
390	Manuka honey synergistically enhances the chemopreventive effect of 5-fluorouracil on human colon cancer cells by inducing oxidative stress and apoptosis, altering metabolic phenotypes and suppressing metastasis ability. 2018 , 126, 41-54		45
389	Argininosuccinate synthetase 1 contributes to gastric cancer invasion and progression by modulating autophagy. 2018 , 32, 2601-2614		25
388	Mutations in EMT-Related Genes in ALK Positive Crizotinib Resistant Non-Small Cell Lung Cancers. 2018 , 10,		25

387	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,	6.3	18
386	Recent Advances in the Studies of Molecular Mechanisms Regulating Multidrug Resistance in Cancer Cells. 2018 , 83, 779-786		11
385	Expression of glycolytic enzymes in ovarian cancers and evaluation of the glycolytic pathway as a strategy for ovarian cancer treatment. 2018 , 18, 636		33
384	Targeting cancer metabolism to develop human lactate dehydrogenase (hLDH)5 inhibitors. 2018 , 23, 1407-1415		24
383	The role of spatial variations of abiotic factors in mediating intratumour phenotypic heterogeneity. 2018 , 451, 101-110		17
382	LC-MS based sphingolipidomic study on A549 human lung adenocarcinoma cell line and its taxol-resistant strain. 2018 , 18, 799		14
381	DNM1L, a key prognostic predictor for gastric adenocarcinoma, is involved in cell proliferation, invasion, and apoptosis. 2018 , 16, 3635-3641		4
380	Microenvironmental regulation of cancer cell metabolism: implications for experimental design and translational studies. 2018 , 11,		72
379	Sirtuin-4 (SIRT4), a therapeutic target with oncogenic and tumor-suppressive activity in cancer. 2018 , 11, 3395-3400		32
378	Structural Studies of Predicted Ligand Binding Sites and Molecular Docking Analysis of Slc2a4 as a Therapeutic Target for the Treatment of Cancer. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	23
377	Cholesterol esterification inhibition and gemcitabine synergistically suppress pancreatic ductal adenocarcinoma proliferation. 2018 , 13, e0193318		20
376	Deferoxamine suppresses esophageal squamous cell carcinoma cell growth via ERK1/2 mediated mitochondrial dysfunction. 2018 , 432, 132-143		22
375	The Effects of Different mTOR Inhibitors in EGFR Inhibitor Resistant Colon Carcinoma Cells. 2019 , 25, 1379-1386		6
374	New strategies for targeting glucose metabolism-mediated acidosis for colorectal cancer therapy. 2018 , 234, 348-368		18
373	Fatty acid oxidation inhibitor etomoxir suppresses tumor progression and induces cell cycle arrest via PPAR δ -mediated pathway in bladder cancer. 2019 , 133, 1745-1758		38
372	Interfering cellular lactate homeostasis overcomes Taxol resistance of breast cancer cells through the microRNA-124-mediated lactate transporter (MCT1) inhibition. 2019 , 19, 193		18
371	Glutamine Metabolism Drives Growth in Advanced Hormone Receptor Positive Breast Cancer. <i>Frontiers in Oncology</i> , 2019 , 9, 686	5.3	21
370	Metabolic Dysregulation Controls Endocrine Therapy-Resistant Cancer Recurrence and Metastasis. 2019 , 160, 1811-1820		7

369	Glut 1 in Cancer Cells and the Inhibitory Action of Resveratrol as A Potential Therapeutic Strategy. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	68
368	A Warburg effect targeting vector designed to increase the uptake of compounds by cancer cells demonstrates glucose and hypoxia dependent uptake. 2019 , 14, e0217712		8
367	A more universal and stable method for lactate dehydrogenase isoenzyme test. 2019 , 11, 4173-4183		1
366	Overcoming platinum-acquired resistance in ovarian cancer patient-derived xenografts. 2019 , 11, 1758835919839543		22
365	Dimethylsphingosine and miltefosine induce apoptosis in lung adenocarcinoma A549 cells in a synergistic manner. 2019 , 310, 108731		2
364	Uncovering the anti-metastasis effects and mechanisms of capsaicin against hepatocellular carcinoma cells by metabolomics. 2019 , 60, 103431		4
363	The Anti-Cancer Effect of Quercetin: Molecular Implications in Cancer Metabolism. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	144
362	The Many Facets of Tumor Heterogeneity: Is Metabolism Lagging Behind?. 2019 , 11,		18
361	ALDH-Dependent Glycolytic Activation Mediates Stemness and Paclitaxel Resistance in Patient-Derived Spheroid Models of Uterine Endometrial Cancer. 2019 , 13, 730-746		32
360	Combined Aberrant Expression of NDRG2 and LDHA Predicts Hepatocellular Carcinoma Prognosis and Mediates the Anti-tumor Effect of Gemcitabine. 2019 , 15, 1771-1786		17
359	The Metabolic Inhibitor CPI-613 Negates Treatment Enrichment of Ovarian Cancer Stem Cells. 2019 , 11,		12
358	Targeting glucose metabolism to suppress cancer progression: prospective of anti-glycolytic cancer therapy. 2019 , 150, 104511		122
357	A Newly Established Murine Cell Line as a Model for Hepatocellular Cancer in Non-Alcoholic Steatohepatitis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	1
356	Synthetic Essentiality of Metabolic Regulator PDHK1 in PTEN-Deficient Cells and Cancers. 2019 , 28, 2317-2330;e8		8
355	Identification of Novel Resorcinol Amide Derivatives as Potent and Specific Pyruvate Dehydrogenase Kinase (PDHK) Inhibitors. 2019 , 62, 8461-8479		3
354	Betulinic Acid Suppresses Breast Cancer Metastasis by Targeting GRP78-Mediated Glycolysis and ER Stress Apoptotic Pathway. 2019 , 2019, 8781690		26
353	2-Deoxyglucose and Newcastle Disease Virus Synergize to Kill Breast Cancer Cells by Inhibition of Glycolysis Pathway Through Glyceraldehyde3-Phosphate Downregulation. 2019 , 6, 90		21
352	Pyruvate produced by <i>Brugia</i> spp. via glycolysis is essential for maintaining the mutualistic association between the parasite and its endosymbiont, <i>Wolbachia</i> . 2019 , 15, e1008085		8

351	Effects of Tianshu Capsule on Spontaneously Hypertensive Rats as Revealed by H-NMR-Based Metabolic Profiling. 2019 , 10, 989		7
350	Quantitative Proteomics of Th-MYCN Transgenic Mice Reveals Aurora Kinase Inhibitor Altered Metabolic Pathways and Enhanced ACADM To Suppress Neuroblastoma Progression. 2019 , 18, 3850-3866		5
349	Potential Therapies for Infectious Diseases Based on Targeting Immune Evasion Mechanisms That Pathogens Have in Common With Cancer Cells. 2019 , 9, 25		6
348	Betulinic acid suppresses breast cancer aerobic glycolysis via caveolin-1/NF- κ B/c-Myc pathway. 2019 , 161, 149-162		42
347	Non-proteolytic ubiquitination of Hexokinase 2 by HectH9 controls tumor metabolism and cancer stem cell expansion. 2019 , 10, 2625		48
346	Hypoxia inducible factor-1 β -cell lymphoma 2 signaling impacts radiosensitivity of H1299 non-small cell lung cancer cells in a normoxic environment. 2019 , 58, 439-448		6
345	NMR-Based Metabolomics in Metal-Based Drug Research. 2019 , 24,		15
344	Metabolic enzyme PDK3 forms a positive feedback loop with transcription factor HSF1 to drive chemoresistance. 2019 , 9, 2999-3013		19
343	Quercetin Inhibits the Proliferation of Glycolysis-Addicted HCC Cells by Reducing Hexokinase 2 and Akt-mTOR Pathway. 2019 , 24,		31
342	The ion channels and transporters gene expression profile indicates a shift in excitability and metabolisms during malignant progression of Follicular Lymphoma. <i>Scientific Reports</i> , 2019 , 9, 8586	4.9	7
341	Aberrant lipid metabolism as a therapeutic target in liver cancer. 2019 , 23, 473-483		43
340	Citrate-Induced p53/P-TEN Complex Formation Causes G/M Phase Arrest in Human Pharyngeal Squamous Carcinoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
339	SIRT4 inhibits the proliferation, migration, and invasion abilities of thyroid cancer cells by inhibiting glutamine metabolism. 2019 , 12, 2397-2408		21
338	Screening common signaling pathways associated with drug resistance in non-small cell lung cancer via gene expression profile analysis. 2019 , 8, 3059-3071		7
337	Bortezomib-induced aerobic glycolysis contributes to chemotherapy-induced painful peripheral neuropathy. 2019 , 15, 1744806919837429		17
336	2-Deoxy-D-Glucose inhibits aggressive triple-negative breast cancer cells by targeting glycolysis and the cancer stem cell phenotype. <i>Scientific Reports</i> , 2019 , 9, 3788	4.9	39
335	Multiplexed Single-Cell Measurements of FDG Uptake and Lactate Release Using Droplet Microfluidics. 2019 , 18, 1533033819841066		10
334	TUG1 knockdown enhances adriamycin cytotoxicity by inhibiting glycolysis in adriamycin-resistant acute myeloid leukemia HL60/ADR cells.. 2019 , 9, 10897-10904		2

333	High-throughput, label-free, single-cell photoacoustic microscopy of intratumoral metabolic heterogeneity. 2019 , 3, 381-391	40
332	The PGC-1/ERR network and its role in precision oncology. 2019 , 3, 9	7
331	Systematic Dissection of the Metabolic-Apoptotic Interface in AML Reveals Heme Biosynthesis to Be a Regulator of Drug Sensitivity. 2019 , 29, 1217-1231.e7	43
330	Metformin in Cervical Cancer: Metabolic Reprogramming. 2019 ,	
329	Gdf15 regulates murine stress erythroid progenitor proliferation and the development of the stress erythropoiesis niche. 2019 , 3, 2205-2217	19
328	Decreased expression of mitochondrial miR-5787 contributes to chemoresistance by reprogramming glucose metabolism and inhibiting MT-CO3 translation. 2019 , 9, 5739-5754	18
327	The immunoregulatory protein B7-H3 promotes aerobic glycolysis in oral squamous carcinoma via PI3K/Akt/mTOR pathway. 2019 , 10, 5770-5784	23
326	LDHA Suppression Altering Metabolism Inhibits Tumor Progress by an Organic Arsenical. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3 7
325	Intracellular Mycobacterium tuberculosis Exploits Multiple Host Nitrogen Sources during Growth in Human Macrophages. 2019 , 29, 3580-3591.e4	20
324	The role of microRNAs in 5-FU resistance of colorectal cancer: Possible mechanisms. 2019 , 234, 2306-2316	33
323	Fluorinated Boron Nitride Quantum Dots: A New 0D Material for Energy Conversion and Detection of Cellular Metabolism. 2019 , 36, 1800346	6
322	6-Phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 and 4: A pair of valves for fine-tuning of glucose metabolism in human cancer. 2019 , 20, 1-13	59
321	Cellular Metabolism Is a Major Determinant of HIV-1 Reservoir Seeding in CD4 T Cells and Offers an Opportunity to Tackle Infection. 2019 , 29, 611-626.e5	69
320	A Framework Linking Glycolytic Metabolic Capabilities and Tumor Dynamics. 2019 , 23, 1844-1854	1
319	Identification of Casiopeina II-gly secondary targets through a systems pharmacology approach. 2019 , 78, 127-132	8
318	Dynamics of intracellular stress-induced tRNA trafficking. 2019 , 47, 2002-2010	8
317	Potent antiproliferative effect of fatty-acid derivative AIC-47 on leukemic mice harboring BCR-ABL mutation. 2019 , 110, 751-760	7
316	Manipulation of Glucose and Hydroperoxide Metabolism to Improve Radiation Response. 2019 , 29, 33-41	13

315	Structure-Based Docking Studies of GLUT4 Towards Exploring Selected Phytochemicals from <i>Solanum xanthocarpum</i> as a Therapeutic Target for the Treatment of Cancer. 2019 , 16, 406-416	16
314	Targeting metabolic vulnerabilities of cancer: Small molecule inhibitors in clinic. 2019 , 2, e1131	7
313	Design and synthesis of novel organometallic complexes using boronated phenylalanine derivatives as potential anticancer agents. 2019 , 42, 436-443	1
312	Deciphering the metabolic role of AMPK in cancer multi-drug resistance. 2019 , 56, 56-71	15
311	Targeting the Warburg effect for cancer treatment: Ketogenic diets for management of glioma. 2019 , 56, 135-148	62
310	Role of coenzymes in cancer metabolism. 2020 , 98, 44-53	12
309	In-vitro photothermal therapy using plant extract polyphenols functionalized graphene sheets for treatment of lung cancer. 2020 , 204, 111587	23
308	Dichloroacetate restores colorectal cancer chemosensitivity through the p53/miR-149-3p/PDK2-mediated glucose metabolic pathway. 2020 , 39, 469-485	46
307	Pan-cancer RNA-seq data stratifies tumours by some hallmarks of cancer. 2020 , 24, 418-430	15
306	Fuzzy modeling and global optimization to predict novel therapeutic targets in cancer cells. 2020 , 36, 2181-2188	6
305	Fatty acid synthase inhibitor orlistat impairs cell growth and down-regulates PD-L1 expression of a human T-cell leukemia line. 2020 , 32, 30-40	9
304	Glutamine deprivation counteracts hypoxia-induced chemoresistance. 2020 , 22, 22-32	11
303	Untargeted Metabolomics to Go beyond the Canonical Effect of Acetylsalicylic Acid. 2019 , 9,	3
302	Puffing of Turmeric (<i>L.</i>) Enhances its Anti-Inflammatory Effects by Upregulating Macrophage Oxidative Phosphorylation. <i>Antioxidants</i> , 2020 , 9,	7.1 3
301	Identification of a Metabolism-Related Risk Signature Associated With Clinical Prognosis in Glioblastoma Using Integrated Bioinformatic Analysis. <i>Frontiers in Oncology</i> , 2020 , 10, 1631	5.3 8
300	Cytosolic ME1 integrated with mitochondrial IDH2 supports tumor growth and metastasis. 2020 , 36, 101685	7
299	Functional roles of non-coding RNAs regulated by thyroid hormones in liver cancer. 2021 , 44, 272-284	5
298	Metabolic Enzymes: New Targets for the Design of Antitumor Drugs. 2020 , 54, 547-554	2

297	Metabolomic profiling of mouse mammary tumor-derived cell lines reveals targeted therapy options for cancer subtypes. 2020 , 43, 1117-1127		1
296	Uncovering the Underlying Mechanisms of Cancer Metabolism through the Landscapes and Probability Flux Quantifications. 2020 , 23, 101002		7
295	Fatty Acid Oxidation Is an Adaptive Survival Pathway Induced in Prostate Tumors by HSP90 Inhibition. 2020 , 18, 1500-1511		3
294	Glycosylated Nanoparticles for Cancer-Targeted Drug Delivery. <i>Frontiers in Oncology</i> , 2020 , 10, 605037	5.3	16
293	Cholesterol as an Endogenous Ligand of ERR β Promotes ERR β -Mediated Cellular Proliferation and Metabolic Target Gene Expression in Breast Cancer Cells. 2020 , 9,		7
292	Metabolic Reprogramming of Chemoresistant Cancer Cells and the Potential Significance of Metabolic Regulation in the Reversal of Cancer Chemoresistance. 2020 , 10,		22
291	Targeting Tumor Metabolism to Overcome Radioresistance. 2020 , 219-263		2
290	Targeting BCL-2 in B-cell malignancies and overcoming therapeutic resistance. <i>Cell Death and Disease</i> , 2020 , 11, 941	9.8	46
289	Lactate-induced MRP1 expression contributes to metabolism-based etoposide resistance in non-small cell lung cancer cells. 2020 , 18, 167		16
288	Power of two: combination of therapeutic approaches involving glucose transporter (GLUT) inhibitors to combat cancer. 2020 , 1874, 188457		9
287	Comprehensive Analysis of Prognostic Markers for Acute Myeloid Leukemia Based on Four Metabolic Genes. <i>Frontiers in Oncology</i> , 2020 , 10, 578933	5.3	3
286	Inhibition of DNA Repair Pathways and Induction of ROS Are Potential Mechanisms of Action of the Small Molecule Inhibitor BOLD-100 in Breast Cancer. 2020 , 12,		5
285	Investigating the Impact of OGT Inhibition on Doxorubicin- and Docetaxel-Induced Cytotoxicity in PC-3 and WPMY-1 Cells. 2020 , 39, 586-593		3
284	Metabolites modulate the functional state of human uridine phosphorylase I. 2020 , 29, 2189-2200		1
283	Metabolic Constrains Rule Metastasis Progression. 2020 , 9,		3
282	A miR-210-3p regulon that controls the Warburg effect by modulating HIF-1 β and p53 activity in triple-negative breast cancer. <i>Cell Death and Disease</i> , 2020 , 11, 731	9.8	22
281	Long Noncoding RNA MIR210HG Promotes the Warburg Effect and Tumor Growth by Enhancing HIF-1 β Translation in Triple-Negative Breast Cancer. <i>Frontiers in Oncology</i> , 2020 , 10, 580176	5.3	13
280	Inhibition of AXL enhances chemosensitivity of human ovarian cancer cells to cisplatin via decreasing glycolysis. 2021 , 42, 1180-1189		10

279	Enhanced antitumor effects of follicle-stimulating hormone receptor-mediated hexokinase-2 depletion on ovarian cancer mediated by a shift in glucose metabolism. 2020 , 18, 161		7
278	Suppressed expression of LDHB promotes age-related hearing loss via aerobic glycolysis. <i>Cell Death and Disease</i> , 2020 , 11, 375	9.8	2
277	Metabolic Activity Phenotyping of Single Cells with Multiplexed Vibrational Probes. 2020 , 92, 9603-9612		13
276	Targeting G6PD reverses paclitaxel resistance in ovarian cancer by suppressing GSTP1. 2020 , 178, 114092		11
275	Temozolomide, Gemcitabine, and Decitabine Hybrid Nanoconjugates: From Design to Proof-of-Concept (PoC) of Synergies toward the Understanding of Drug Impact on Human Glioblastoma Cells. 2020 , 63, 7410-7421		11
274	The metabolic role of PFKFB4 in androgen-independent growth in vitro and PFKFB4 expression in human prostate cancer tissue. 2020 , 20, 61		6
273	Multiplex Stimulated Raman Scattering Imaging Cytometry Reveals Lipid-Rich Protrusions in Cancer Cells under Stress Condition. 2020 , 23, 100953		29
272	hENT1 reverses chemoresistance by regulating glycolysis in pancreatic cancer. 2020 , 479, 112-122		15
271	Targeting Pyruvate Carboxylase by a Small Molecule Suppresses Breast Cancer Progression. 2020 , 7, 1903483		16
270	Activation of PPAR α intensified the effects of arsenic trioxide in acute promyelocytic leukemia through the suppression of PI3K/Akt pathway: Proposing a novel anticancer effect for pioglitazone. 2020 , 122, 105739		5
269	TRIM59 knockdown blocks cisplatin resistance in A549/DDP cells through regulating PTEN/AKT/HK2. 2020 , 747, 144553		13
268	-methyladenosine-induced ERR α triggers chemoresistance of cancer cells through upregulation of ABCB1 and metabolic reprogramming. 2020 , 10, 3382-3396		16
267	Stem metabolism: Insights from oncometabolism and vice versa. 2020 , 1866, 165760		2
266	miR-27a is a master regulator of metabolic reprogramming and chemoresistance in colorectal cancer. 2020 , 122, 1354-1366		20
265	Metabolic Adaptations in Cancer Stem Cells. <i>Frontiers in Oncology</i> , 2020 , 10, 1010	5.3	55
264	Tumour functional imaging by PET. 2020 , 1866, 165717		9
263	The Pentose Phosphate Pathway and Its Involvement in Cisplatin Resistance. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	39
262	Synergetic role of senna and fennel extracts as antioxidant, anti-inflammatory and anti-mutagenic agents in irradiated human blood lymphocyte cultures. 2020 , 13, 191-199		13

261	Modulation of dysregulated cancer metabolism by plant secondary metabolites: A mechanistic review. 2020 ,	28
260	Proteomic Analysis Reveals that EPHX1 Contributes to 5-Fluorouracil Resistance in a Human Hepatocellular Carcinoma Cell Line. 2020 , 14, e1900080	4
259	Phototherapy alters the oncogenic metabolic activity of breast cancer cells. 2020 , 30, 101695	3
258	Co-delivery of Cu(I) chelator and chemotherapeutics as a new strategy for tumor theranostic. 2020 , 321, 483-496	10
257	Melatonin inhibits Warburg-dependent cancer by redirecting glucose oxidation to the mitochondria: a mechanistic hypothesis. 2020 , 77, 2527-2542	33
256	Metabolomic Profiling of the Synergistic Effects of Ginsenoside Rg1 in Combination with Neural Stem Cell Transplantation in Ischemic Stroke Rats. 2020 , 19, 2676-2688	9
255	Delineating cell behavior and metabolism of non-melanoma skin cancer in vitro. 2020 , 56, 165-180	3
254	Assessment of acyl-CoA cholesterol acyltransferase (ACAT-1) role in ovarian cancer progression-An in vitro study. 2020 , 15, e0228024	14
253	Ikarugamycin inhibits pancreatic cancer cell glycolysis by targeting hexokinase 2. 2020 , 34, 3943-3955	10
252	2-Deoxy-Rh2: A novel ginsenoside derivative, as dual-targeting anti-cancer agent via regulating apoptosis and glycolysis. 2020 , 124, 109891	6
251	Comparative mitochondrial proteomics of Leishmania tropica clinical isolates resistant and sensitive to meglumine antimoniate. 2020 , 119, 1857-1871	4
250	Potent Anticancer Effect of the Natural Steroidal Saponin Gracillin Is Produced by Inhibiting Glycolysis and Oxidative Phosphorylation-Mediated Bioenergetics. 2020 , 12,	12
249	Drug development. 2020 , 159-199	0
248	The role and function of PPAR α in bladder cancer. 2020 , 11, 3965-3975	2
247	Microfluidic Platform for the Isolation of Cancer-Cell Subpopulations Based on Single-Cell Glycolysis. 2020 , 92, 6949-6957	3
246	Combinatorial Effect of DCA and Let-7a on Triple-Negative MDA-MB-231 Cells: A Metabolic Approach of Treatment. 2020 , 19, 1534735420911437	7
245	Peptide Receptor Radionuclide Therapy: Looking Back, Looking Forward. 2020 , 20, 2959-2969	9
244	Silibinin induces metabolic crisis in triple-negative breast cancer cells by modulating EGFR-MYC-TXNIP axis: potential therapeutic implications. 2021 , 288, 471-485	14

243	A Licorice Roots Extract Induces Apoptosis and Cell Cycle Arrest and Improves Metabolism via Regulating MiRNAs in Liver Cancer Cells. 2021 , 73, 1047-1058	4
242	Synthesis and In Vitro Antiproliferative Effects of New Dihydropyrano[3,2-b]Chromene Derivatives. 2021 , 41, 467-477	1
241	Immunometabolism and HIV-1 pathogenesis: food for thought. 2021 , 21, 5-19	19
240	Regulation of cancer cell glucose metabolism is determinant for cancer cell fate after melatonin administration. 2021 , 236, 27-40	11
239	Regulating Mitochondrial pH with Light and Implications for Chemoresistance. 2021 , 27, 247-251	1
238	Cigarette smoke-induced LKB1/AMPK pathway deficiency reduces EGFR TKI sensitivity in NSCLC. 2021 , 40, 1162-1175	3
237	Evolutionary Dynamics in Vascularised Tumours under Chemotherapy: Mathematical Modelling, Asymptotic Analysis and Numerical Simulations. 2021 , 49, 143-167	2
236	Shining a light on metabolic vulnerabilities in non-small cell lung cancer. 2021 , 1875, 188462	4
235	Altered glutamine metabolism in platinum resistant ovarian cancer. 2016 , 7, 41637-41649	44
234	Design, physico-chemical characterization and biological activity of organogold(III) glycoconjugates. 2021 , 50, 8963-8979	3
233	Drug resistance in gynecologic cancers: Findings and underlying mechanisms. 2021 , 49-75	1
232	Supramolecular cancer nanotheranostics. 2021 , 50, 2839-2891	88
231	Molecular docking studies and virtual drug screening of chemosensitizers. 2021 , 169-183	
230	Regulation of Glycolysis in Head and Neck Cancer. 2021 , 1280, 219-230	0
229	Analysis of Leukemia Cell Metabolism through Stable Isotope Tracing in Mice. 2021 , 11, e4171	0
228	CPNE1 Enhances Colorectal Cancer Cell Growth, Glycolysis, and Drug Resistance Through Regulating the AKT-GLUT1/HK2 Pathway. 2021 , 14, 699-710	5
227	Bioactive Natural Leads Targeting Cancer Cell Metabolism. 2021 , 29-75	
226	Valproic acid Suppresses Breast Cancer Cell Growth Through Triggering Pyruvate Kinase M2 Isoform Mediated Warburg Effect. 2021 , 30, 9636897211027524	0

225	Molecular docking analysis of pyruvate kinase M2 with a potential inhibitor from the ZINC database. 2021 , 17, 139-146		
224	Glycolytic inhibitor induces metabolic crisis in solid cancer cells to enhance cold plasma-induced cell death. 2021 , 18, 2000187		3
223	Metabolic control of cancer progression as novel targets for therapy. 2021 , 152, 103-177		1
222	DEXOM: Diversity-based enumeration of optimal context-specific metabolic networks. 2021 , 17, e1008730		0
221	Warburg Effect Targeting Co(III) Cytotoxin Chaperone Complexes. 2021 , 64, 2678-2690		3
220	Insulin gene enhancer protein 1 mediates glycolysis and tumorigenesis of gastric cancer through regulating glucose transporter 4. 2021 , 41, 258-272		5
219	Lactate Metabolism and Signaling in Tuberculosis and Cancer: A Comparative Review. 2021 , 11, 624607		8
218	Methyl Jasmonate Cytotoxicity and Chemosensitization of T Cell Lymphoma Is Facilitated by HK 2, HIF-1 β and Hsp70: Implication of Altered Regulation of Cell Survival, pH Homeostasis, Mitochondrial Functions. 2021 , 12, 628329		0
217	Cancer metabolism and intervention therapy.. 2021 , 2, 5		2
216	Effect of glutamine metabolism on chemoresistance and its mechanism in tumors. 2021 , 50, 32-40		1
215	Intestinal delivery in a long-chain fatty acid formulation enables lymphatic transport and systemic exposure of orlistat. 2021 , 596, 120247		2
214	Role of Reductive versus Oxidative Stress in Tumor Progression and Anticancer Drug Resistance. 2021 , 10,		8
213	A Review on van der Waals Boron Nitride Quantum Dots. 2021 , 7, 35		1
212	Altered glycolysis results in drug-resistant in clinical tumor therapy. 2021 , 21, 369		6
211	Identification and Development of Subtypes With Poor Prognosis in Pan-Gynecological Cancer Based on Gene Expression in the Glycolysis-Cholesterol Synthesis Axis. <i>Frontiers in Oncology</i> , 2021 , 11, 636565	5.3	2
210	Pharmacological inhibition of tumor anabolism and host catabolism as a cancer therapy. <i>Scientific Reports</i> , 2021 , 11, 5222	4.9	1
209	Effects of Calorie Restriction on Health Span and Insulin Resistance: Classic Calorie Restriction Diet vs. Ketosis-Inducing Diet. 2021 , 13,		4
208	Adaptive Changes Allow Targeting of Ferroptosis for Glioma Treatment. 2021 , 1		10

207	Gas chromatography-mass spectrometry based O stable isotope labeling of Krebs cycle intermediates. 2021 , 1154, 338325		4
206	Evaluation of metabolomics behavior of human colon cancer HT29 cell lines treated with ionic liquid graviola fruit pulp extract. 2021 , 270, 113813		2
205	Mechanisms of Metabolic Reprogramming in Cancer Cells Supporting Enhanced Growth and Proliferation. 2021 , 10,		35
204	Multifunctional Role of Astrocyte Elevated Gene-1 (AEG-1) in Cancer: Focus on Drug Resistance. 2021 , 13,		5
203	Autofluorescence Imaging of Treatment Response in Neuroendocrine Tumor Organoids. 2021 , 13,		2
202	Molecular biological investigation of temozolomide and KC7F2 combination in U87MG glioma cell line. 2021 , 776, 145445		0
201	The glycolytic process in endothelial cells and its implications. 2021 ,		8
200	Metabolic Rewiring in Radiation Oncology Toward Improving the Therapeutic Ratio. <i>Frontiers in Oncology</i> , 2021 , 11, 653621	5.3	1
199	Diagnostic Significance of Serum Fatty Acid Synthase in Patients with Pancreatic Cancer. 2021 , 13, 115-120		1
198	Metabolic Reprogramming from Glycolysis to Fatty Acid Uptake and beta-Oxidation in Platinum-Resistant Cancer Cells.		0
197	Targeting Lactate Dehydrogenase A with Catechin Resensitizes SNU620/5FU Gastric Cancer Cells to 5-Fluorouracil. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
196	Recent Advances in Curcumin Treated Non-Small Cell Lung Cancers: An Impetus of Pleiotropic Traits and Nanocarrier Aided Delivery. 2021 , 28, 3061-3106		3
195	Inhibition of glycolysis and mitochondrial respiration promotes radiosensitisation of neuroblastoma and glioma cells. 2021 , 9, 24		1
194	Metabolic perturbations sensitize triple-negative breast cancers to apoptosis induced by BH3 mimetics. 2021 , 14,		2
193	Molecular genetic classification of colorectal cancer subtypes: current state of the problem. 2021 , 2, 50-56		3
192	Cancer cell metabolism connects epigenetic modifications to transcriptional regulation. 2021 ,		6
191	Development of a Rapid Screening Assay Using Metabolic Inhibitors to Detect Highly Selective Anticancer Agents. 2021 , 6, 18333-18343		2
190	Aiding and Abetting Anhedonia: Impact of Inflammation on the Brain and Pharmacological Implications. 2021 , 73, 1084-1117		6

189	Disruptor of telomeric silencing 1-like promotes ovarian cancer tumor growth by stimulating pro-tumorigenic metabolic pathways and blocking apoptosis. 2021 , 10, 48		2
188	FOXA2 inhibits doxorubicin-induced apoptosis via transcriptionally activating HBP rate-limiting enzyme GFPT1 in HCC cells. 2021 , 77, 625-638		2
187	Oncogenic viruses and chemoresistance: What do we know?. 2021 , 170, 105730		2
186	Proteomic profiling the molecular signatures of plectranthoic acid in prostate cancer cells. 2021 , 246, 104311		
185	Aldo-keto reductase inhibitors increase the anticancer effects of tyrosine kinase inhibitors in chronic myelogenous leukemia. 2021 , 147, 1-8		0
184	Metallo drugs as Anticancer Chemotherapeutics and Diagnostic Agents: A Critical Patent Review (2010-2020). 2021 ,		1
183	HIF-dependent expression of creatine kinase brain isoform (CKB) promotes breast cancer metastasis, and blocking creatine kinase activity with cyclocreatine impairs invasion and improves the efficacy of conventional chemotherapies.		
182	The Mechanism of Warburg Effect-Induced Chemoresistance in Cancer. <i>Frontiers in Oncology</i> , 2021 , 11, 698023	5-3	8
181	The Uniqueness of Clear Cell Renal Cell Carcinoma: Summary of the Process and Abnormality of Glucose Metabolism and Lipid Metabolism in ccRCC. <i>Frontiers in Oncology</i> , 2021 , 11, 727778	5-3	4
180	Exogenous mitochondrial transfer and endogenous mitochondrial fission facilitate AML resistance to OxPhos inhibition. 2021 , 5, 4233-4255		8
179	Unraveling the origin of glucose mediated disparate proliferation dynamics of cancer stem cells. 2021 , 526, 110774		2
178	Investigation of DNA/BSA binding and cytotoxic properties of new Co(II), Ni(II) and Cu(II) hydrazone complexes. 2021 , 526, 120536		3
177	Strawberry tree honey in combination with 5-fluorouracil enhances chemosensitivity in human colon adenocarcinoma cells. 2021 , 156, 112484		6
176	Design, synthesis, ligand scaffold variation and structure elucidation of Cu(II) complexes; In vitro DNA binding, morphological studies and their anticancer activity. 2021 , 209, 115450		5
175	Modeling the Emergence of Phenotypic Heterogeneity in Vascularized Tumors. 2021 , 81, 434-453		3
174	Genome-scale integration of transcriptome and metabolome unveils squalene synthase and dihydrofolate reductase as targets against AML cells resistant to chemotherapy. 2021 , 19, 4059-4066		2
173	Identification of theranostic factors for patients developing metastasis after surgery for early-stage lung adenocarcinoma. 2021 , 11, 3661-3675		7
172	Inhibition of PFKFB3 induces cell death and synergistically enhances chemosensitivity in endometrial cancer. 2021 , 40, 1409-1424		13

171	Mitochondrial and Metabolic Drivers of Pulmonary Vascular Endothelial Dysfunction in Pulmonary Hypertension. 2017 , 967, 373-383	26
170	The overexpression of CPR and P450 3A4 in pancreatic cancer cells changes the metabolic profile and increases the cytotoxicity and pro-apoptotic activity of acridine antitumor agent, C-1748. 2017 , 142, 21-38	5
169	Searching for combination therapy by clustering methods: Stimulation of PKC in Golgi apparatus combined with hypericin induced PDT. 2020 , 31, 101813	3
168	The beginning of the end for conventional RECIST - novel therapies require novel imaging approaches. 2019 , 16, 442-458	59
167	Inverse correlation between heme synthesis and the Warburg effect in cancer cells.	3
166	Proliferation inhibition of cisplatin-resistant ovarian cancer cells using drugs screened by integrating a metabolic model and transcriptomic data. 2017 , 50,	10
165	GLUT5-mediated fructose utilization drives lung cancer growth by stimulating fatty acid synthesis and AMPK/mTORC1 signaling. 2020 , 5,	20
164	GLUT3 upregulation promotes metabolic reprogramming associated with antiangiogenic therapy resistance. 2017 , 2, e88815	38
163	Vascular stiffness mechanoactivates YAP/TAZ-dependent glutaminolysis to drive pulmonary hypertension. 2016 , 126, 3313-35	204
162	Protein Kinase A Activation Promotes Cancer Cell Resistance to Glucose Starvation and Anoikis. 2016 , 12, e1005931	45
161	Inhibition of lipolysis by mercaptoacetate and etomoxir specifically sensitize drug-resistant lung adenocarcinoma cell to paclitaxel. 2013 , 8, e74623	24
160	Expression of mitochondrial regulators PGC1 β and TFAM as putative markers of subtype and chemoresistance in epithelial ovarian carcinoma. 2014 , 9, e107109	26
159	Apoptotic efficacy of etomoxir in human acute myeloid leukemia cells. Cooperation with arsenic trioxide and glycolytic inhibitors, and regulation by oxidative stress and protein kinase activities. 2014 , 9, e115250	28
158	Assessment of the chemosensitizing activity of TAT-RasGAP317-326 in childhood cancers. 2015 , 10, e0120487	7
157	Melatonin Cytotoxicity Is Associated to Warburg Effect Inhibition in Ewing Sarcoma Cells. 2015 , 10, e0135420	38
156	MiR-122 Reverses the Doxorubicin-Resistance in Hepatocellular Carcinoma Cells through Regulating the Tumor Metabolism. 2016 , 11, e0152090	53
155	The quaternary state of polymerized human hemoglobin regulates oxygenation of breast cancer solid tumors: A theoretical and experimental study. 2018 , 13, e0191275	14
154	1-Hydroxy-8-methoxy-anthraquinone Reverses Cisplatin Resistance by Inhibiting 6PGD in Cancer Cells. 2019 , 14, 454-461	2

153	TAp73 promotes anti-senescence-anabolism not proliferation. 2014 , 6, 921-30	15
152	PTEN deficiency and mutant p53 confer glucose-addiction to thyroid cancer cells: impact of glucose depletion on cell proliferation, cell survival, autophagy and cell migration. 2014 , 5, 226-39	23
151	CD133-positive cancer stem cells from Colo205 human colon adenocarcinoma cell line show resistance to chemotherapy and display a specific metabolomic profile. 2014 , 5, 250-60	36
150	Low dose irradiation profoundly affects transcriptome and microRNAs in rat mammary gland tissues. 2014 , 1, 751-62	21
149	Inhibition of SREBP increases gefitinib sensitivity in non-small cell lung cancer cells. 2016 , 7, 52392-52403	27
148	Dichloroacetate potentiates tamoxifen-induced cell death in breast cancer cells via downregulation of the epidermal growth factor receptor. 2016 , 7, 59809-59819	14
147	Integrative genomics reveals hypoxia inducible genes that are associated with a poor prognosis in neuroblastoma patients. 2016 , 7, 76816-76826	26
146	Mcl-1 expression and JNK activation induces a threshold for apoptosis in Bcl-xL-overexpressing hematopoietic cells. 2017 , 8, 11042-11052	8
145	Deguelin inhibits non-small cell lung cancer via down-regulating Hexokinases II-mediated glycolysis. 2017 , 8, 32586-32599	43
144	Rewiring carbohydrate catabolism differentially affects survival of pancreatic cancer cell lines with diverse metabolic profiles. 2017 , 8, 41265-41281	12
143	miR-34: from bench to bedside. 2014 , 5, 872-81	196
142	Chemical inhibition of acetyl-CoA carboxylase suppresses self-renewal growth of cancer stem cells. 2014 , 5, 8306-16	76
141	Metabolomic analysis of uterine serous carcinoma with acquired resistance to paclitaxel. 2018 , 9, 31985-31998	3
140	AMPK activation by AICAR sensitizes prostate cancer cells to radiotherapy. 2019 , 10, 749-759	11
139	TAp73 promotes anabolism. 2014 , 5, 12820-934	35
138	Bioinformatics analysis of the serine and glycine pathway in cancer cells. 2014 , 5, 11004-13	59
137	Dichloroacetate, a selective mitochondria-targeting drug for oral squamous cell carcinoma: a metabolic perspective of treatment. 2015 , 6, 1217-30	38
136	Targeting the facilitative glucose transporter GLUT1 inhibits the self-renewal and tumor-initiating capacity of cancer stem cells. 2015 , 6, 651-61	128

135	Kidney-type glutaminase (GLS1) is a biomarker for pathologic diagnosis and prognosis of hepatocellular carcinoma. 2015 , 6, 7619-31	65
134	Hypoxia-inducible factor 1 (HIF-1) and reactive oxygen species (ROS) mediates radiation-induced invasiveness through the SDF-1/CXCR4 pathway in non-small cell lung carcinoma cells. 2015 , 6, 10893-907	48
133	Hydroxycarboxylic acid receptors are essential for breast cancer cells to control their lipid/fatty acid metabolism. 2015 , 6, 19706-20	28
132	Increased expression of fatty acid synthase provides a survival advantage to colorectal cancer cells via upregulation of cellular respiration. 2015 , 6, 18891-904	77
131	Metabolic alterations caused by HNF1 α expression in ovarian clear cell carcinoma contribute to cell survival. 2015 , 6, 26002-17	34
130	Ovarian clear cell carcinoma meets metabolism; HNF-1 α confers survival benefits through the Warburg effect and ROS reduction. 2015 , 6, 30704-14	35
129	Identifying clinically relevant drug resistance genes in drug-induced resistant cancer cell lines and post-chemotherapy tissues. 2015 , 6, 41216-27	13
128	Reversal of the glycolytic phenotype of primary effusion lymphoma cells by combined targeting of cellular metabolism and PI3K/Akt/ mTOR signaling. 2016 , 7, 5521-37	27
127	Preclinical evaluation of a nanoformulated antihelminthic, niclosamide, in ovarian cancer. 2016 , 7, 8993-9006	44
126	A nuclear-directed human pancreatic ribonuclease (PE5) targets the metabolic phenotype of cancer cells. 2016 , 7, 18309-24	13
125	Role of multifaceted regulators in cancer glucose metabolism and their clinical significance. 2016 , 7, 31572-85	25
124	Dephosphorylation and mitochondrial translocation of cofilin sensitizes human leukemia cells to cerulenin-induced apoptosis via the ROCK1/Akt/JNK signaling pathway. 2016 , 7, 20655-68	13
123	The Basic Science of Metabolism in Pulmonary Arterial Hypertension. 2018 , 17, 95-102	6
122	Tumor-targeted Drug Delivery by Nanocomposites. 2020 , 21, 599-613	5
121	Inulin as a Delivery Vehicle for Targeting Colon-Specific Cancer. 2020 , 17, 651-674	4
120	Glycolysis Inhibition as a Strategy for Hepatocellular Carcinoma Treatment?. 2019 , 19, 26-40	21
119	How Cancer Cells Resist Chemotherapy: Design and Development of Drugs Targeting Protein-Protein Interactions. 2019 , 19, 394-412	8
118	Effect of Food Additive Citric Acid on The Growth of Human Esophageal Carcinoma Cell Line EC109. 2017 , 18, 493-502	14

117	Biomarkers of tumor invasiveness in proteomics (Review). 2020 , 57, 409-432	10
116	Expression of GLS1 in intrahepatic cholangiocarcinoma and its clinical significance. 2019 , 20, 1915-1924	10
115	Glucose transporter 1 in health and disease. 2019 , 23, 443-449	14
114	Overcoming 5-Fu resistance of colon cells through inhibition of Glut1 by the specific inhibitor WZB117. 2014 , 15, 7037-41	34
113	2-deoxy-D-Glucose Synergizes with Doxorubicin or L-Buthionine Sulfoximine to Reduce Adhesion and Migration of Breast Cancer Cells. 2015 , 16, 3213-22	15
112	Development of computational models using omics data for the identification of effective cancer metabolic biomarkers. 2021 , 17, 881-893	0
111	Synthesis and biological evaluation of novel steroidal pyrazole amides as highly potent anticancer agents. 2021 , 176, 108931	1
110	Harnessing Stem Cell-Like Memory T Cells for Adoptive Cell Transfer Therapy of Cancer. 2015 , 183-209	1
109	Immunotherapy and Vaccines. 2016 , 441-464	
108	Rational cell culture optimization enhances experimental reproducibility in cancer cells.	
107	Pathway Crosstalk Network Analysis Provides Insight Into Novel Pathways in Breast Cancer. 2017 , 19,	
106	Identification of Casiopeina II-gly secondary targets through a systems pharmacology approach.	
105	In silico prioritization of transporter-drug relationships from drug sensitivity screens.	2
104	Synthetic essentiality of metabolic regulator PDHK1 in PTEN-deficient cells and cancers.	
103	A comprehensive review on planar boron nitride nanomaterials: From 2D nanosheets towards 0D quantum dots. 2022 , 124, 100884	8
102	Metabolomic profiling of mouse mammary tumor derived cell lines reveals targeted therapy options for cancer subtypes.	0
101	RELATIONSHIP BETWEEN MALIGNANT TUMOR METABOLISM AND TUMOR-BEARING ORGANISM. 2020 , 44-48	
100	Hexokinases II-mediated glycolysis governs susceptibility to crizotinib in ALK-positive non-small cell lung cancer. 2021 , 12, 3184-3193	2

99	DEXOM: Diversity-based enumeration of optimal context-specific metabolic networks.	
98	Understanding tumor anabolism and patient catabolism in cancer-associated cachexia. 2017 , 7, 1107-1135	13
97	Consensus Molecular Subtypes of Colorectal Cancer and their Clinical Implications. 2017 , 3, 105-111	40
96	Synergistically suppressive effects on colorectal cancer cells by combination of mTOR inhibitor and glycolysis inhibitor, Oxamate. 2018 , 11, 4439-4445	2
95	CXCR3 confers sorafenib resistance of HCC cells through regulating metabolic alteration and AMPK pathway. 2020 , 12, 825-836	4
94	Crizotinib changes the metabolic pattern and inhibits ATP production in A549 non-small cell lung cancer cells. 2021 , 21, 61	0
93	Synergistic Cotreatment Potential of Soursop (L.) Leaves Extract with Doxorubicin on 4T1 Cells with Antisenescence and Anti-reactive-oxygen-species Properties. 2021 , 20, 57-67	0
92	Approaches towards understanding the mechanism-of-action of metallo drugs. 2021 , 453, 214311	3
91	Crizotinib changes the metabolic pattern and inhibits ATP production in A549 non-small cell lung cancer cells. 2020 , 21, 61	0
90	Amino Acid Metabolism in Cancer Drug Resistance.. 2022 , 11,	4
89	Nutritional Regulation of Mammary Tumor Microenvironment.. 2022 , 10, 803280	0
88	Targeting Nutrient Dependency in Cancer Treatment.. <i>Frontiers in Oncology</i> , 2022 , 12, 820173	5.3 0
87	Glucose deprivation using 2-deoxyglucose and acarbose induce metabolic oxidative stress and apoptosis in female mice bearing breast cancer.. 2022 ,	1
86	Tumor Microenvironment Features and Chemoresistance in Pancreatic Ductal Adenocarcinoma: Insights into Targeting Physicochemical Barriers and Metabolism as Therapeutic Approaches. 2021 , 13,	5
85	In vivo detection of dysregulated choline metabolism in paclitaxel-resistant ovarian cancers with proton magnetic resonance spectroscopy.. 2022 , 20, 92	1
84	Polyphenol Oxidase as a Promising Alternative Therapeutic Agent for Cancer Therapy.. 2022 , 27,	0
83	Molecular mechanisms of platinum-based chemotherapy resistance in ovarian cancer (Review).. 2022 , 47,	2
82	ATR and CDK4/6 inhibition target the growth of methotrexate-resistant choriocarcinoma.. 2022 ,	1

81	Glycolysis-Related Gene Signature Can Predict Survival and Immune Status of Hepatocellular Carcinoma.. 2022 , 1	0
80	Perillyl alcohol and its synthetic derivatives: the rising of a novel class of selective and potent antitumoral compounds. 1	
79	Characterization of phototoxic effects in multiphoton FLIM. 2022 ,	
78	Targeting metabolism to overcome cancer drug resistance: A promising therapeutic strategy for diffuse large B cell lymphoma.. 2022 , 61, 100822	1
77	Single cell mass spectrometry studies reveal metabolomic features and potential mechanisms of drug-resistant cancer cell lines.. 2022 , 1206, 339761	0
76	A novel robust nomogram based on preoperative hemoglobin and albumin levels and lymphocyte and platelet counts (HALP) for predicting lymph node metastasis of gastric cancer.. 2021 , 12, 2706-2718	2
75	2-Deoxyglucose Glycolysis Inhibitor Augment Oncolytic Virotherapy to Induce Oxidative Stress and Apoptosis in Breast Cancer (Part III). 2021 , 45, 26-32	0
74	CircGOT1 promotes cell proliferation, mobility, and glycolysis-mediated cisplatin resistance via inhibiting its host gene GOT1 in esophageal squamous cell cancer.. 2021 , 1-14	1
73	HIF-Dependent CKB Expression Promotes Breast Cancer Metastasis, Whereas Cyclocreatine Therapy Impairs Cellular Invasion and Improves Chemotherapy Efficacy.. 2021 , 14,	1
72	Lactate Upregulates the Expression of DNA Repair Genes, Causing Intrinsic Resistance of Cancer Cells to Cisplatin.. 2021 , 27, 1609951	2
71	MIR600HG sponges miR-125a-5p to regulate glycometabolism and cisplatin resistance of oral squamous cell carcinoma cells via mediating RNF44.. 2022 , 8, 216	1
70	Image_1.pdf. 2018 ,	
69	Table_1.XLSX. 2018 ,	
68	Table_2.XLSX. 2018 ,	
67	Table_3.XLSX. 2018 ,	
66	Data_Sheet_1.docx. 2020 ,	
65	Table_2.XLSX. 2020 ,	
64	Image_1.TIF. 2019 ,	

63 Image_2.TIF. 2019,

62 Image_3.TIF. 2019,

61 Image_4.TIF. 2019,

60 Image_5.TIF. 2019,

59 Data_Sheet_1.ZIP. 2020,

58 DataSheet_1.pdf. 2020,

57 Zerumbone mediates apoptosis and induces secretion of proinflammatory cytokines in breast carcinoma cell culture.. *Iranian Journal of Basic Medical Sciences*, 2021, 24, 1538-1545 1.8

56 Impacts of Oxidative Stress and PI3K/AKT/mTOR on Metabolism and the Future Direction of Investigating Fucoidan-Modulated Metabolism. *Antioxidants*, 2022, 11, 911 7.1 3

55 Alterations in cellular metabolisms after Imatinib therapy: a review.. *Medical Oncology*, 2022, 39, 95 3.7 0

54 Targeting Energy Metabolism in Cancer Treatment. *International Journal of Molecular Sciences*, 2022, 23, 5572 6.3 0

53 Long Non-Coding RNA TMPO-AS1 Promotes GLUT1-Mediated Glycolysis and Paclitaxel Resistance in Endometrial Cancer Cells by Interacting With miR-140 and miR-143. *Frontiers in Oncology*, 12, 5.3 0

52 Carbohydrates based stimulus responsive nanocarriers for cancer-targeted chemotherapy: A review of current practices. *Expert Opinion on Drug Delivery*, 8 0

51 Multifunctional nanocomposites DDMplusAF inhibit the proliferation and enhance the radiotherapy of breast cancer cells via modulating tumor-promoting factors and metabolic reprogramming. *Cancer Nanotechnology*, 2022, 13, 7.9 0

50 Metabolic Reprogramming of Circulating Tumor Cells for Metastasis. 2022, 175-183

49 The Atomically Precise Gold/Captopril Nanocluster Au₂₅(Capt)₁₈ Gains Anticancer Activity by Inhibiting Mitochondrial Oxidative Phosphorylation. *ACS Applied Materials & Interfaces*, 9.5 1

48 Development and Validation of an Individualized Metabolism-Related Prognostic Model for Adult Acute Myeloid Leukemia Patients. *Frontiers in Oncology*, 12, 5.3 0

47 Radiotherapy-induced metabolic hallmarks in the tumor microenvironment. *Trends in Cancer*, 2022, 12.5 0

46 A comprehensive review on acridone based derivatives as future anti-cancer agents and their structure activity relationships. *European Journal of Medicinal Chemistry*, 2022, 239, 114527 6.8 2

45	Fast Determination of Mitochondrial Metabolism and Respiratory Complex Activity in Permeabilized and Intact Cells. <i>Methods in Molecular Biology</i> , 2022 , 1-10	1.4	
44	Extracellular vesicles derived from <i>Lactobacillus plantarum</i> restore chemosensitivity through the PDK2-mediated glucose metabolic pathway in 5-FU-resistant colorectal cancer cells. <i>Journal of Microbiology</i> , 2022 , 60, 735-745	3	2
43	Characterization of mitochondrial dysfunction due to laser damage by 2-photon FLIM microscopy. <i>Scientific Reports</i> , 2022 , 12,	4.9	0
42	Antitumor Activities of Aqueous Cinnamon Extract on 5637 Cell Line of Bladder Cancer through Glycolytic Pathway. 2022 , 2022, 1-9		1
41	<i>Drosophila</i> as a toolkit to tackle cancer and its metabolism. 12,		0
40	Metabolic reprogramming from glycolysis to fatty acid uptake and beta-oxidation in platinum-resistant cancer cells. 2022 , 13,		3
39	A pH-sensitive field-effect transistor for monitoring of cancer cell external acid environment. 2023 , 252, 123764		2
38	Distinctive Metabolism-Associated Gene Clusters That Are Also Prognostic in Intrahepatic Cholangiocarcinoma and Hepatocellular Carcinoma. 2022 , 2022, 1-22		0
37	Targeting Glucose Metabolism Enzymes in Cancer Treatment: Current and Emerging Strategies. 2022 , 14, 4568		2
36	CCT4 knockdown enhances the sensitivity of cisplatin by inhibiting glycolysis in human esophageal squamous cell carcinomas.		0
35	The Sweet Spot of Targeting Tumor Metabolism in Ovarian Cancers. 2022 , 14, 4696		1
34	Correlation Study on the Expression of INSR, IRS-1, and PD-L1 in Nonsmall Cell Lung Cancer. 2022 , 2022, 1-7		0
33	Nogo-B receptor increases glycolysis and the paclitaxel resistance of estrogen receptor-positive breast cancer via the HIF-1 α -dependent pathway.		0
32	Trends in metabolic signaling pathways of tumor drug resistance: A scientometric analysis. 12,		0
31	Oxidative stress and metabolic diseases: Relevance and therapeutic strategies. 9,		0
30	LC-MS Based Lipidomics Depict Phosphatidylethanolamine as Biomarkers of TNBC MDA-MB-231 over nTNBC MCF-7 Cells. 2022 , 23, 12074		0
29	Autophagy induces mTOR-dependent glucose uptake and mTOR-independent lactate utilization in cadmium-treated A549 cells. 2022 , 105513		0
28	CD8+ T cell metabolic changes in breast cancer. 2023 , 1869, 166565		0

- 27 Effect of Quercetin and Fingolimod, Alone or in Combination, on the Sphingolipid Metabolism in HepG2 Cells. **2022**, 23, 13916 ○
- 26 Lactic acid modified rare earth-based nanomaterials for enhanced radiation therapy by disturbing the glycolysis. **2022**, 20, ○
- 25 On the Feasibility of Using an Ultra-Fast DirectMS1 Method of Proteome-Wide Analysis for Searching Drug Targets in Chemical Proteomics. **2022**, 87, 1342-1353 1
- 24 Recent progress of amino acid transporters as a novel antitumor target. **2022**, 20, 1212-1228 ○
- 23 A Multimodal Atlas of Tumor Metabolism Reveals the Architecture of Gene-Metabolite Co-regulation. ○
- 22 Targeting IGF1R signaling enhances the sensitivity of cisplatin by inhibiting proline and arginine metabolism in oesophageal squamous cell carcinoma under hypoxia condition. ○
- 21 3-Bromopyruvate Suppresses the Malignant Phenotype of Vemurafenib-Resistant Melanoma Cells. **2022**, 23, 15650 ○
- 20 Immunoregulatory framework and the role of miRNA in the pathogenesis of NSCLC [A systematic review. 12, ○
- 19 Proteomics analysis of meclufenamic acid-treated small cell lung carcinoma cells revealed changes in cellular energy metabolism for cancer cell survival. ○
- 18 Importance of lactate dehydrogenase (LDH) and monocarboxylate transporters (MCTs) in cancer cells. **2023**, 6, ○
- 17 Metabolism in acute myeloid leukemia: mechanistic insights and therapeutic targets. ○
- 16 Targeting mutant p53-R248W reactivates WT p53 function and alters the onco-metabolic profile. 12, ○
- 15 When cancer drug resistance meets metabolomics (bulk, single-cell and/or spatial): Progress, potential, and perspective. 12, ○
- 14 A prognostic model based on tumor microenvironment-related lncRNAs predicts therapy response in pancreatic cancer. **2023**, 23, ○
- 13 Metabolic reprogramming of glutamine involved in tumorigenesis, multidrug resistance and tumor immunity. **2023**, 940, 175323 ○
- 12 Genetically engineered PD-1 displaying nanovesicles for synergistic checkpoint blockades and chemo-metabolic therapy against non-small cell lung cancer. **2023**, 161, 184-200 ○
- 11 Multifunctional manganese oxide-based nanocomposite theranostic agent with glucose/light-responsive singlet oxygen generation and dual-modal imaging for cancer treatment. **2023**, 643, 373-384 ○
- 10 Metabolic Phenotype Intricacies on Altered Glucose Metabolism of Breast Cancer Cells upon Glut-1 Inhibition and Mimic Hypoxia In Vitro. ○

- 9 Lactobacillus plantarum Metabolites Elicit Anticancer Effects by Inhibiting Autophagy-Related Responses. **2023**, 28, 1890 ○
- 8 Operando NMR metabolomics of a microfluidic cell culture. **2023**, 349, 107405 ○
- 7 Metabolomics in oncology. **2023**, 6, ○
- 6 Metabolomics Analysis Reveals Novel Targets of Chemosensitizing Polyphenols and Omega-3 Polyunsaturated Fatty Acids in Triple Negative Breast Cancer Cells. **2023**, 24, 4406 ○
- 5 Potential Approaches for Delivery of Surface Decorated Nano-carriers in the Management of Carcinoma. **2023**, 64-105 ○
- 4 Novel Biomarkers for Inflammatory Bowel Disease and Colorectal Cancer: An Interplay between Metabolic Dysregulation and Excessive Inflammation. **2023**, 24, 5967 ○
- 3 Metabolic reprogramming in cancer: Mechanisms and therapeutics. **2023**, 4, ○
- 2 Targeting IGF1R signaling enhances the sensitivity of cisplatin by inhibiting proline and arginine metabolism in oesophageal squamous cell carcinoma under hypoxia. **2023**, 42, ○
- 1 Co-inhibition of glutaminolysis and one carbon metabolism promotes ROS accumulation leading to enhancement of chemotherapeutic efficacy in anaplastic thyroid cancer. ○