

Metabolic targets for cancer therapy

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 2 | Quantitative determinants of aerobic glycolysis identify flux through the enzyme GAPDH as a limiting step. <i>ELife</i> , 2014, 3, . | 2.8 | 222 |
| 3 | Classification of current anticancer immunotherapies. <i>Oncotarget</i> , 2014, 5, 12472-12508. | 0.8 | 395 |
| 4 | Consensus guidelines for the detection of immunogenic cell death. <i>Oncolmmunology</i> , 2014, 3, e955691. | 2.1 | 686 |
| 5 | Trial Watch. <i>Oncolmmunology</i> , 2014, 3, e29179. | 2.1 | 76 |
| 6 | Chloroquine and hydroxychloroquine for cancer therapy. <i>Molecular and Cellular Oncology</i> , 2014, 1, e29911. | 0.3 | 154 |
| 7 | Overexpression of metabolic markers <scp>PKM</scp>2 and <scp>LDH</scp>5 correlates with aggressive clinicopathological features and adverse patient prognosis in tongue cancer. <i>Histopathology</i> , 2014, 65, 595-605. | 1.6 | 26 |
| 8 | Glucose metabolism is inhibited by caspases upon the induction of apoptosis. <i>Cell Death and Disease</i> , 2014, 5, e1406-e1406. | 2.7 | 36 |
| 9 | Acquired resistance to metformin in breast cancer cells triggers transcriptome reprogramming toward a degradome-related metastatic stem-like profile. <i>Cell Cycle</i> , 2014, 13, 1132-1144. | 1.3 | 57 |
| 10 | Breast cancer stem cells rely on fermentative glycolysis and are sensitive to 2-deoxyglucose treatment. <i>Cell Death and Disease</i> , 2014, 5, e1336-e1336. | 2.7 | 219 |
| 11 | Redox control of glutamine utilization in cancer. <i>Cell Death and Disease</i> , 2014, 5, e1561-e1561. | 2.7 | 113 |
| 12 | On-Target Effect of FK866, a Nicotinamide Phosphoribosyl Transferase Inhibitor, by Apoptosis-Mediated Death in Chronic Lymphocytic Leukemia Cells. <i>Clinical Cancer Research</i> , 2014, 20, 4861-4872. | 3.2 | 60 |
| 13 | The Role of Fatty Acid Oxidation in the Metabolic Reprograming of Activated T-Cells. <i>Frontiers in Immunology</i> , 2014, 5, 641. | 2.2 | 25 |
| 14 | Metabolic alterations accompanying oncogene-induced senescence. <i>Molecular and Cellular Oncology</i> , 2014, 1, e963481. | 0.3 | 26 |
| 15 | Preface. <i>Methods in Enzymology</i> , 2014, 543, xv-xix. | 0.4 | 3 |
| 16 | Identification of 3,6-disubstituted dihydropyrones as inhibitors of human lactate dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5683-5687. | 1.0 | 17 |
| 17 | Energy Metabolism and Metabolic Sensors in Stem Cells: The Metabostem Crossroads of Aging and Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2014, 824, 117-140. | 0.8 | 24 |
| 18 | Metabolic Control of Autophagy. <i>Cell</i> , 2014, 159, 1263-1276. | 13.5 | 703 |
| 19 | Gerometabolites: The pseudohypoxic aging side of cancer oncometabolites. <i>Cell Cycle</i> , 2014, 13, 699-709. | 1.3 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 20 | Therapeutic strategies for treatment of pulmonary lymphangiomyomatosis. Expert Opinion on Orphan Drugs, 2014, 2, 1063-1074. | 0.5 | 4 |
| 21 | Large-Scale Identification and Analysis of Suppressive Drug Interactions. Chemistry and Biology, 2014, 21, 541-551. | 6.2 | 27 |
| 23 | Enhanced Anticancer Efficacy by ATP α -Mediated Liposomal Drug Delivery. Angewandte Chemie - International Edition, 2014, 53, 5815-5820. | 7.2 | 175 |
| 24 | Mitochondrial ion channels as oncological targets. Oncogene, 2014, 33, 5569-5581. | 2.6 | 81 |
| 25 | Molecularly targeted cancer therapy: some lessons from the past decade. Trends in Pharmacological Sciences, 2014, 35, 41-50. | 4.0 | 255 |
| 26 | Trial Watch. Oncolmmunology, 2014, 3, e27878. | 2.1 | 134 |
| 27 | Identification of novel inhibitors of human Chk1 using pharmacophore-based virtual screening and their evaluation as potential anti-cancer agents. Journal of Computer-Aided Molecular Design, 2014, 28, 1247-1256. | 1.3 | 8 |
| 28 | Targeting hypoxia signalling for the treatment of ischaemic and inflammatory diseases. Nature Reviews Drug Discovery, 2014, 13, 852-869. | 21.5 | 291 |
| 29 | Energy metabolism targeted drugs synergize with photodynamic therapy to potentiate breast cancer cell death. Photochemical and Photobiological Sciences, 2014, 13, 1793-1803. | 1.6 | 16 |
| 30 | Metabolic control of cell death. Science, 2014, 345, 1250256. | 6.0 | 527 |
| 31 | PARP and other prospective targets for poisoning cancer cell metabolism. Biochemical Pharmacology, 2014, 92, 164-171. | 2.0 | 24 |
| 32 | Preface. Methods in Enzymology, 2014, 542, xix-xxiii. | 0.4 | 5 |
| 33 | Trial Watch. Oncolmmunology, 2014, 3, e28344. | 2.1 | 31 |
| 34 | Identification of substituted 3-hydroxy-2-mercaptocyclohex-2-enones as potent inhibitors of human lactate dehydrogenase. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3764-3771. | 1.0 | 37 |
| 35 | Emerging approaches to target tumor metabolism. Current Opinion in Pharmacology, 2014, 17, 22-29. | 1.7 | 18 |
| 36 | Targeting antioxidants for cancer therapy. Biochemical Pharmacology, 2014, 92, 90-101. | 2.0 | 370 |
| 37 | Oncometabolites α -driven tumorigenesis: From genetics to targeted therapy. International Journal of Cancer, 2014, 135, 2237-2248. | 2.3 | 119 |
| 38 | Heterogeneity of glycolysis in cancers and therapeutic opportunities. Biochemical Pharmacology, 2014, 92, 12-21. | 2.0 | 44 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 39 | Critical transitions in a game theoretic model of tumour metabolism. <i>Interface Focus</i> , 2014, 4, 20140014. | 1.5 | 52 |
| 40 | Translational research in oncologyâ€”10 years of progress and future prospects. <i>Nature Reviews Clinical Oncology</i> , 2014, 11, 649-662. | 12.5 | 65 |
| 41 | Metabolism of stromal and immune cells in health and disease. <i>Nature</i> , 2014, 511, 167-176. | 13.7 | 377 |
| 42 | Evidence of cancerâ€”promoting roles for <scp>AMPK</scp> and related kinases. <i>FEBS Journal</i> , 2015, 282, 4658-4671. | 2.2 | 72 |
| 43 | Lactate dehydrogenase-A inhibition induces human glioblastoma multiforme stem cell differentiation and death. <i>Scientific Reports</i> , 2015, 5, 15556. | 1.6 | 60 |
| 44 | Molecular magnetic resonance imaging in cancer. <i>Journal of Translational Medicine</i> , 2015, 13, 313. | 1.8 | 79 |
| 45 | Functional screening identifies <scp>MCT4</scp> as a key regulator of breast cancer cell metabolism and survival. <i>Journal of Pathology</i> , 2015, 237, 152-165. | 2.1 | 73 |
| 46 | MTH1 expression is required for effective transformation by oncogenic HRAS. <i>Oncotarget</i> , 2015, 6, 11519-11529. | 0.8 | 38 |
| 47 | Targeting Mitochondrial Function to Treat Quiescent Tumor Cells in Solid Tumors. <i>International Journal of Molecular Sciences</i> , 2015, 16, 27313-27326. | 1.8 | 53 |
| 48 | Cancer Metabolism and Drug Resistance. <i>Metabolites</i> , 2015, 5, 571-600. | 1.3 | 130 |
| 49 | Prognostic and Predictive Value of DAMPs and DAMP-Associated Processes in Cancer. <i>Frontiers in Immunology</i> , 2015, 6, 402. | 2.2 | 135 |
| 50 | Role of autophagy in the maintenance and function of cancer stem cells. <i>International Journal of Developmental Biology</i> , 2015, 59, 95-108. | 0.3 | 35 |
| 51 | Antagonizing Bcl-2 Family Members Sensitizes Neuroblastoma and Ewingâ€™s Sarcoma to an Inhibitor of Glutamine Metabolism. <i>PLoS ONE</i> , 2015, 10, e0116998. | 1.1 | 12 |
| 52 | Metabolic Phenotypes in Pancreatic Cancer. <i>PLoS ONE</i> , 2015, 10, e0115153. | 1.1 | 34 |
| 53 | Cancer Metabolism: A Modeling Perspective. <i>Frontiers in Physiology</i> , 2015, 6, 382. | 1.3 | 58 |
| 54 | A Metabolic Phenotype Based on Mitochondrial Ribosomal Protein Expression as a Predictor of Lymph Node Metastasis in Papillary Thyroid Carcinoma. <i>Medicine (United States)</i> , 2015, 94, e380. | 0.4 | 22 |
| 55 | Metabolic control of cancer cell stemness: Lessons from iPS cells. <i>Cell Cycle</i> , 2015, 14, 3801-3811. | 1.3 | 37 |
| 56 | Combinatorial Strategies for the Induction of Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015, 6, 187. | 2.2 | 289 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 57 | Acetyl Coenzyme A: A Central Metabolite and Second Messenger. <i>Cell Metabolism</i> , 2015, 21, 805-821. | 7.2 | 963 |
| 58 | The Intricate Interplay between Mechanisms Underlying Aging and Cancer. , 2015, 6, 56-75. | | 24 |
| 59 | The oncolytic peptide LTX-315 triggers necrotic cell death. <i>Cell Cycle</i> , 2015, 14, 3506-3512. | 1.3 | 30 |
| 60 | Targeting cancer metabolism at the plasma membrane by limiting amino acid access through SLC6A14. <i>Biochemical Journal</i> , 2015, 470, e17-e19. | 1.7 | 17 |
| 61 | Beyond antioxidant genes in the ancient Nrf2 regulatory network. <i>Free Radical Biology and Medicine</i> , 2015, 88, 452-465. | 1.3 | 74 |
| 62 | Tumor mechanics and metabolic dysfunction. <i>Free Radical Biology and Medicine</i> , 2015, 79, 269-280. | 1.3 | 95 |
| 63 | Essential Role for Oxidative Phosphorylation in Cancer Progression. <i>Cell Metabolism</i> , 2015, 21, 11-12. | 7.2 | 45 |
| 64 | Trial watch: Tumor-targeting monoclonal antibodies for oncological indications. <i>Oncolmmunology</i> , 2015, 4, e985940. | 2.1 | 47 |
| 65 | Trial Watch: Peptide-based anticancer vaccines. <i>Oncolmmunology</i> , 2015, 4, e974411. | 2.1 | 97 |
| 66 | Effects of deranged metabolism on epigenetic changes in cancer. <i>Archives of Pharmacal Research</i> , 2015, 38, 321-337. | 2.7 | 10 |
| 67 | <sc>FOXO</sc> s support the metabolic requirements of normal and tumor cells by promoting <sc>IDH</sc> 1 expression. <i>EMBO Reports</i> , 2015, 16, 456-466. | 2.0 | 38 |
| 68 | Unsaturated fatty acids induce non-€canonical autophagy. <i>EMBO Journal</i> , 2015, 34, 1025-1041. | 3.5 | 147 |
| 69 | Targeting T cell metabolism for therapy. <i>Trends in Immunology</i> , 2015, 36, 71-80. | 2.9 | 204 |
| 70 | Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015, 34, 856-880. | 3.5 | 1,012 |
| 71 | A roadmap for interpreting 13 C metabolite labeling patterns from cells. <i>Current Opinion in Biotechnology</i> , 2015, 34, 189-201. | 3.3 | 513 |
| 72 | Trial Watch: Proteasomal inhibitors for anticancer therapy. <i>Molecular and Cellular Oncology</i> , 2015, 2, e974463. | 0.3 | 18 |
| 73 | Repression of Hox genes by LMP1 in nasopharyngeal carcinoma and modulation of glycolytic pathway genes by HoxC8. <i>Oncogene</i> , 2015, 34, 6079-6091. | 2.6 | 50 |
| 74 | 2-Phenoxy-1,4-naphthoquinones: From a Multitarget Antitrypanosomal to a Potential Antitumor Profile. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6422-6434. | 2.9 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 75 | Metabolomics and its integration with systems biology: PSI 2014 conference panel discussion report. <i>Journal of Proteomics</i> , 2015, 127, 73-79. | 1.2 | 20 |
| 76 | Ferroptosis in p53-dependent oncosuppression and organismal homeostasis. <i>Cell Death and Differentiation</i> , 2015, 22, 1237-1238. | 5.0 | 41 |
| 77 | Trial Watch: Immunogenic cell death inducers for anticancer chemotherapy. <i>Oncolmunology</i> , 2015, 4, e1008866. | 2.1 | 237 |
| 79 | Curcumin inhibits Ec109 cell growth via an AMPK-mediated metabolic switch. <i>Life Sciences</i> , 2015, 134, 49-55. | 2.0 | 39 |
| 80 | Targeting the heat shock response in combination with radiotherapy: Sensitizing cancer cells to irradiation-induced cell death and heating up their immunogenicity. <i>Cancer Letters</i> , 2015, 368, 209-229. | 3.2 | 57 |
| 81 | Organ-Specific Cancer Metabolism and Its Potential for Therapy. <i>Handbook of Experimental Pharmacology</i> , 2015, 233, 321-353. | 0.9 | 86 |
| 82 | Cell intrinsic and extrinsic activators of the unfolded protein response in cancer: Mechanisms and targets for therapy. <i>Seminars in Cancer Biology</i> , 2015, 33, 3-15. | 4.3 | 90 |
| 83 | The progression from a lower to a higher invasive stage of bladder cancer is associated with severe alterations in glucose and pyruvate metabolism. <i>Experimental Cell Research</i> , 2015, 335, 91-98. | 1.2 | 65 |
| 84 | eIF2 γ phosphorylation as a biomarker of immunogenic cell death. <i>Seminars in Cancer Biology</i> , 2015, 33, 86-92. | 4.3 | 95 |
| 85 | 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. | 1.6 | 63 |
| 86 | Rewired Metabolism in Drug-resistant Leukemia Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 8348-8359. | 1.6 | 63 |
| 87 | Impacts of metformin and aspirin on life history features and longevity of crickets: trade-offs versus cost-free life extension?. <i>Age</i> , 2015, 37, 31. | 3.0 | 13 |
| 88 | A bioassay to measure energy metabolism in mouse colonic crypts, organoids, and sorted stem cells. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G1-G9. | 1.6 | 72 |
| 89 | Negative prognostic value of high levels of intracellular poly(ADP-ribose) in non-small cell lung cancer. <i>Annals of Oncology</i> , 2015, 26, 2470-2477. | 0.6 | 20 |
| 90 | The greedy nature of mutant RAS: a boon for drug discovery targeting cancer metabolism?. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 17-26. | 0.9 | 13 |
| 91 | Karyotypic Aberrations in Oncogenesis and Cancer Therapy. <i>Trends in Cancer</i> , 2015, 1, 124-135. | 3.8 | 28 |
| 92 | Immunog α nitic α de la chimioth α rapie. <i>Oncologie</i> , 2015, 17, 345-353. | 0.2 | 0 |
| 93 | Glycolytic Reprogramming in Myofibroblast Differentiation and Lung Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1462-1474. | 2.5 | 376 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 94 | State of the art and future directions of pancreatic ductal adenocarcinoma therapy. , 2015, 155, 80-104. | | 82 |
| 95 | Overflow metabolism in Escherichia coli results from efficient proteome allocation. Nature, 2015, 528, 99-104. | 13.7 | 566 |
| 96 | Targeting KRAS-mutant non-small cell lung cancer: challenges and opportunities. Acta Biochimica Et Biophysica Sinica, 2016, 48, 11-16. | 0.9 | 17 |
| 97 | Lipid metabolism and cancer progression: The missing target in metastatic cancer treatment. Journal of Applied Biomedicine, 2015, 13, 47-59. | 0.6 | 18 |
| 98 | Optimization of 5-(2,6-dichlorophenyl)-3-hydroxy-2-mercaptocyclohex-2-enones as potent inhibitors of human lactate dehydrogenase. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 75-82. | 1.0 | 18 |
| 99 | GAPDH enhances the aggressiveness and the vascularization of non-Hodgkin's B lymphomas via NF- κ B-dependent induction of HIF-1 α . Leukemia, 2015, 29, 1163-1176. | 3.3 | 55 |
| 100 | Molecular mechanisms of cell death: central implication of ATP synthase in mitochondrial permeability transition. Oncogene, 2015, 34, 1475-1486. | 2.6 | 244 |
| 101 | Investigational cancer drugs targeting cell metabolism in clinical development. Expert Opinion on Investigational Drugs, 2015, 24, 79-94. | 1.9 | 58 |
| 102 | Upregulation of lactate dehydrogenase a by 14-3-3 σ leads to increased glycolysis critical for breast cancer initiation and progression. Oncotarget, 2016, 7, 35270-35283. | 0.8 | 27 |
| 103 | In vivo genetic dissection of tumor growth and the Warburg effect. ELife, 2016, 5, . | 2.8 | 78 |
| 104 | Choline Metabolism Alteration: A Focus on Ovarian Cancer. Frontiers in Oncology, 2016, 6, 153. | 1.3 | 40 |
| 105 | Using Pharmacogenomic Databases for Discovering Patient-Target Genes and Small Molecule Candidates to Cancer Therapy. Frontiers in Pharmacology, 2016, 7, 312. | 1.6 | 22 |
| 106 | Evolving Insights on Metabolism, Autophagy, and Epigenetics in Liver Myofibroblasts. Frontiers in Physiology, 2016, 7, 191. | 1.3 | 13 |
| 107 | Inhibition of Mitochondrial Complex II by the Anticancer Agent Lonidamine. Journal of Biological Chemistry, 2016, 291, 42-57. | 1.6 | 132 |
| 108 | Anacardic Acid, Salicylic Acid, and Oleic Acid Differentially Alter Cellular Bioenergetic Function in Breast Cancer Cells. Journal of Cellular Biochemistry, 2016, 117, 2521-2532. | 1.2 | 19 |
| 109 | Does immunometabolism provide new targets to treat HIV-mediated inflammatory diseases?. Future Virology, 2016, 11, 159-162. | 0.9 | 0 |
| 110 | Using Systems Pharmacology to Advance Oncology Drug Development. AAPS Advances in the Pharmaceutical Sciences Series, 2016, , 421-463. | 0.2 | 1 |
| 111 | Beyond the Oncogene Revolution: Four New Ways to Combat Cancer. Cold Spring Harbor Symposia on Quantitative Biology, 2016, 81, 85-92. | 2.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 112 | The ERK signaling target RNF126 regulates anoikis resistance in cancer cells by changing the mitochondrial metabolic flux. <i>Cell Discovery</i> , 2016, 2, 16019. | 3.1 | 40 |
| 113 | A new mechanism of trastuzumab resistance in gastric cancer: MACC1 promotes the Warburg effect via activation of the PI3K/AKT signaling pathway. <i>Journal of Hematology and Oncology</i> , 2016, 9, 76. | 6.9 | 93 |
| 114 | Re-programming tumour cell metabolism to treat cancer: no lone target for lonidamine. <i>Biochemical Journal</i> , 2016, 473, 1503-1506. | 1.7 | 25 |
| 115 | The effect of immunosuppressive molecules on T-cell metabolic reprogramming. <i>Biochimie</i> , 2016, 127, 23-36. | 1.3 | 53 |
| 116 | Clinical and therapeutic significance of sirtuin-4 expression in colorectal cancer. <i>Oncology Reports</i> , 2016, 35, 2801-2810. | 1.2 | 43 |
| 117 | Regulated cell death and adaptive stress responses. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2405-2410. | 2.4 | 121 |
| 118 | Inhibiting Notch Activity in Breast Cancer Stem Cells by Glucose Functionalized Nanoparticles Carrying I ³ -secretase Inhibitors. <i>Molecular Therapy</i> , 2016, 24, 926-936. | 3.7 | 91 |
| 119 | Metabolomics in rheumatic diseases: desperately seeking biomarkers. <i>Nature Reviews Rheumatology</i> , 2016, 12, 269-281. | 3.5 | 128 |
| 120 | Mitochondria in Cell Death Regulation. , 2016, , 341-353. | | 1 |
| 121 | Attacking the supply wagons to starve cancer cells to death. <i>FEBS Letters</i> , 2016, 590, 885-907. | 1.3 | 66 |
| 122 | Cell Active Hydroxylactam Inhibitors of Human Lactate Dehydrogenase with Oral Bioavailability in Mice. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 896-901. | 1.3 | 41 |
| 123 | Synthesis, DNA binding affinity and anticancer activity of novel 4H-benzo[g][1,2,3]triazolo[5,1-c][1,4]oxazocines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9294-9305. | 1.5 | 10 |
| 124 | An LXR-Cholesterol Axis Creates a Metabolic Co-Dependency for Brain Cancers. <i>Cancer Cell</i> , 2016, 30, 683-693. | 7.7 | 237 |
| 125 | Targeting ODC1 inhibits tumor growth through reduction of lipid metabolism in human hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1674-1681. | 1.0 | 27 |
| 126 | Aberrant ketolysis fuels hepatocellular cancer progression. <i>Cell Research</i> , 2016, 26, 1077-1078. | 5.7 | 4 |
| 127 | Fatty acid synthase regulates invasion and metastasis of colorectal cancer via Wnt signaling pathway. <i>Cancer Medicine</i> , 2016, 5, 1599-1606. | 1.3 | 84 |
| 128 | Hippo's Q for a big liver. <i>Nature Cell Biology</i> , 2016, 18, 835-837. | 4.6 | 0 |
| 129 | Metabolic requirements for cancer cell proliferation. <i>Cancer & Metabolism</i> , 2016, 4, 16. | 2.4 | 99 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 130 | Clinical significance of T cell metabolic reprogramming in cancer. <i>Clinical and Translational Medicine</i> , 2016, 5, 29. | 1.7 | 69 |
| 131 | Inhibition of Rho-Associated Kinase 1/2 Attenuates Tumor Growth in Murine Gastric Cancer. <i>Neoplasia</i> , 2016, 18, 500-511. | 2.3 | 35 |
| 132 | Thioredoxin Reductase 1 as an Anticancer Drug Target. , 2016, , 199-209. | | 4 |
| 133 | Estrogen Receptor $\hat{\pm}$ Promotes Breast Cancer by Reprogramming Choline Metabolism. <i>Cancer Research</i> , 2016, 76, 5634-5646. | 0.4 | 45 |
| 134 | Trial Watch: Immunotherapy plus radiation therapy for oncological indications. <i>Oncolmmunology</i> , 2016, 5, e1214790. | 2.1 | 64 |
| 135 | Diisopropylethylamine/hexafluoroisopropanol-mediated ion-pairing ultra-high-performance liquid chromatography/mass spectrometry for phosphate and carboxylate metabolite analysis: utility for studying cellular metabolism. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1835-1845. | 0.7 | 45 |
| 136 | A Novel Fluorescence Resonance Energy Transfer-Based Screen in High-Throughput Format To Identify Inhibitors of Malarial and Human Glucose Transporters. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7407-7414. | 1.4 | 16 |
| 137 | Caveolin-1 in the regulation of cell metabolism: a cancer perspective. <i>Molecular Cancer</i> , 2016, 15, 71. | 7.9 | 162 |
| 138 | Metabolic Alterations Caused by KRAS Mutations in Colorectal Cancer Contribute to Cell Adaptation to Glutamine Depletion by Upregulation of Asparagine Synthetase. <i>Neoplasia</i> , 2016, 18, 654-665. | 2.3 | 100 |
| 139 | ROS homeostasis and metabolism: a critical liaison for cancer therapy. <i>Experimental and Molecular Medicine</i> , 2016, 48, e269-e269. | 3.2 | 211 |
| 140 | Immunological Mechanisms Underneath the Efficacy of Cancer Therapy. <i>Cancer Immunology Research</i> , 2016, 4, 895-902. | 1.6 | 134 |
| 141 | Synergism of metabolic modulators Bet-CA and LDCA: a rational combinatorial approach to selectively combat cancer associated hallmark traits. <i>RSC Advances</i> , 2016, 6, 66457-66467. | 1.7 | 1 |
| 142 | Fast exchange fluxes around the pyruvate node: a leaky cell model to explain the gain and loss of unlabelled and labelled metabolites in a tracer experiment. <i>Cancer & Metabolism</i> , 2016, 4, 13. | 2.4 | 14 |
| 143 | Gas Chromatography Coupled to Mass Spectrometry (GC-MS) to Study Metabolism in Cultured Cells. <i>Advances in Experimental Medicine and Biology</i> , 2016, 899, 59-88. | 0.8 | 4 |
| 144 | 1,2-Benzisothiazole Derivatives Bearing 4-, 5-, or 6-Alkyl/arylcarboxamide Moieties Inhibit Carbonic Anhydrase Isoform IX (CAIX) and Cell Proliferation under Hypoxic Conditions. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 6547-6552. | 2.9 | 20 |
| 145 | A novel 4-fluorobenzenetelluronic trimethyltin ester: synthesis, characterization and in vitro cytotoxicity assessment. <i>New Journal of Chemistry</i> , 2016, 40, 6946-6954. | 1.4 | 8 |
| 146 | Design, synthesis, and biological evaluation of novel Tempol derivatives as effective antitumor agents. <i>Research on Chemical Intermediates</i> , 2016, 42, 7659-7673. | 1.3 | 2 |
| 147 | Metabolic Reprogramming of Pancreatic Cancer Mediated by CDK4/6 Inhibition Elicits Unique Vulnerabilities. <i>Cell Reports</i> , 2016, 14, 979-990. | 2.9 | 160 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 148 | Circulating Metabolites and Survival Among Patients With Pancreatic Cancer. <i>Journal of the National Cancer Institute</i> , 2016, 108, djv409. | 3.0 | 31 |
| 149 | Leptin regulates energy metabolism in MCF-7 breast cancer cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 72, 18-26. | 1.2 | 31 |
| 150 | Carbohydrate-based inducers of cellular stress for targeting cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1452-1456. | 1.0 | 6 |
| 151 | Glutamine drives glutathione synthesis and contributes to radiation sensitivity of A549 and H460 lung cancer cell lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 836-843. | 1.1 | 101 |
| 152 | PDGF Engages an E2F-USP1 Signaling Pathway to Support ID2-Mediated Survival of Proneural Glioma Cells. <i>Cancer Research</i> , 2016, 76, 2964-2976. | 0.4 | 28 |
| 153 | Acetate as a Metabolic and Epigenetic Modifier of Cancer Therapy. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 574-588. | 1.2 | 53 |
| 154 | Identification of benzothiophene amides as potent inhibitors of human nicotinamide phosphoribosyltransferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 765-768. | 1.0 | 14 |
| 155 | Glutamine at focus: versatile roles in cancer. <i>Tumor Biology</i> , 2016, 37, 1541-1558. | 0.8 | 38 |
| 156 | Resveratrol triggers ER stress-mediated apoptosis by disrupting N-linked glycosylation of proteins in ovarian cancer cells. <i>Cancer Letters</i> , 2016, 371, 347-353. | 3.2 | 70 |
| 157 | Linking Cancer Metabolism to DNA Repair and Accelerated Senescence. <i>Molecular Cancer Research</i> , 2016, 14, 173-184. | 1.5 | 46 |
| 158 | Subtype-Specific Metagene-Based Prediction of Outcome after Neoadjuvant and Adjuvant Treatment in Breast Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 337-345. | 3.2 | 58 |
| 159 | ccmGDB: a database for cancer cell metabolism genes. <i>Nucleic Acids Research</i> , 2016, 44, D959-D968. | 6.5 | 41 |
| 160 | Reprogramming of glucose, fatty acid and amino acid metabolism for cancer progression. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 377-392. | 2.4 | 473 |
| 161 | There and back again: The journey of the estrogen-related receptors in the cancer realm. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 157, 13-19. | 1.2 | 38 |
| 162 | Peptide-based imaging agents for cancer detection. <i>Advanced Drug Delivery Reviews</i> , 2017, 110-111, 38-51. | 6.6 | 176 |
| 163 | Cancer metabolism: a therapeutic perspective. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 11-31. | 12.5 | 1,028 |
| 164 | Overcoming the Heat Endurance of Tumor Cells by Interfering with the Anaerobic Glycolysis Metabolism for Improved Photothermal Therapy. <i>ACS Nano</i> , 2017, 11, 1419-1431. | 7.3 | 284 |
| 165 | Whole-cell <i>Escherichia coli</i> lactate biosensor for monitoring mammalian cell cultures during biopharmaceutical production. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1290-1300. | 1.7 | 42 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 166 | The Anti-Warburg Effect Elicited by the cAMP-PGC1 β Pathway Drives Differentiation of Glioblastoma Cells into Astrocytes. <i>Cell Reports</i> , 2017, 18, 468-481. | 2.9 | 85 |
| 167 | Unravelling the pharmacologic opportunities and future directions for targeted therapies in gastro-intestinal cancers Part 1: GI carcinomas. , 2017, 174, 145-172. | | 22 |
| 168 | Development of Fluorinated Analogues of Perhexiline with Improved Pharmacokinetic Properties and Retained Efficacy. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2780-2789. | 2.9 | 7 |
| 169 | Mycoepoxydiene suppresses HeLa cell growth by inhibiting glycolysis and the pentose phosphate pathway. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4201-4213. | 1.7 | 16 |
| 170 | Assessment of Glycolytic Flux and Mitochondrial Respiration in the Course of Autophagic Responses. <i>Methods in Enzymology</i> , 2017, 588, 155-170. | 0.4 | 6 |
| 171 | Adaptive Reprogramming of <i>De Novo</i> Pyrimidine Synthesis Is a Metabolic Vulnerability in Triple-Negative Breast Cancer. <i>Cancer Discovery</i> , 2017, 7, 391-399. | 7.7 | 147 |
| 172 | Metabolic Pathway Inhibition in Liver Cancer. <i>SLAS Technology</i> , 2017, 22, 237-244. | 1.0 | 19 |
| 173 | Anticancer drug discovery through genome-scale metabolic modeling. <i>Current Opinion in Systems Biology</i> , 2017, 4, 1-8. | 1.3 | 16 |
| 174 | Methionine tumor starvation by erythrocyte-encapsulated methionine gamma-lyase activity controlled with per os vitamin B6. <i>Cancer Medicine</i> , 2017, 6, 1437-1452. | 1.3 | 28 |
| 175 | Targeting the Akt, GSK-3, Bcl-2 axis in acute myeloid leukemia. <i>Advances in Biological Regulation</i> , 2017, 65, 36-58. | 1.4 | 33 |
| 176 | Gold Nanoparticle Size and Shape Effects on Cellular Uptake and Intracellular Distribution of siRNA Nanoconstructs. <i>Bioconjugate Chemistry</i> , 2017, 28, 1791-1800. | 1.8 | 119 |
| 177 | Identification of the Consistently Altered Metabolic Targets in Human Hepatocellular Carcinoma. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 4, 303-323.e1. | 2.3 | 103 |
| 178 | The metabolic waste ammonium regulates mTORC2 and mTORC1 signaling. <i>Scientific Reports</i> , 2017, 7, 44602. | 1.6 | 31 |
| 179 | Design and synthesis of emodin derivatives as novel inhibitors of ATP-citrate lyase. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 920-928. | 2.6 | 60 |
| 180 | Tumour microenvironment factors shaping the cancer metabolism landscape. <i>British Journal of Cancer</i> , 2017, 116, 277-286. | 2.9 | 92 |
| 181 | Tumor-Specific Multiple Stimuli-Activated Dendrimeric Nanoassemblies with Metabolic Blockade Surmount Chemotherapy Resistance. <i>ACS Nano</i> , 2017, 11, 416-429. | 7.3 | 118 |
| 182 | Metabotypes of breast cancer cell lines revealed by non-targeted metabolomics. <i>Metabolic Engineering</i> , 2017, 43, 173-186. | 3.6 | 26 |
| 183 | Rational Design of Selective Allosteric Inhibitors of PHGDH and Serine Synthesis with Anti-tumor Activity. <i>Cell Chemical Biology</i> , 2017, 24, 55-65. | 2.5 | 102 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 184 | Antiproliferative cyclodepsipeptides from the marine actinomycete <i>Streptomyces</i> sp. P11-23B downregulating the tumor metabolic enzymes of glycolysis, glutaminolysis, and lipogenesis. <i>Phytochemistry</i> , 2017, 135, 151-159. | 1.4 | 47 |
| 185 | Autonomous Metabolic Oscillations Robustly Gate the Early and Late Cell Cycle. <i>Molecular Cell</i> , 2017, 65, 285-295. | 4.5 | 150 |
| 186 | Targeting Metabolism for Cancer Therapy. <i>Cell Chemical Biology</i> , 2017, 24, 1161-1180. | 2.5 | 677 |
| 187 | In Vivo Imaging of Glutamine Metabolism to the Oncometabolite 2-Hydroxyglutarate in IDH1/2 Mutant Tumors. <i>Cell Metabolism</i> , 2017, 26, 830-841.e3. | 7.2 | 82 |
| 188 | Metabolic Enzymes in Sarcomagenesis: Progress Toward Biology and Therapy. <i>BioDrugs</i> , 2017, 31, 379-392. | 2.2 | 8 |
| 189 | Lactate dehydrogenase-A is indispensable for vascular smooth muscle cell proliferation and migration. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 41-47. | 1.0 | 45 |
| 190 | Trial Watch: Immunostimulatory monoclonal antibodies for oncological indications. <i>Oncolmmunology</i> , 2017, 6, e1371896. | 2.1 | 36 |
| 191 | Small Molecule Inhibitors Simultaneously Targeting Cancer Metabolism and Epigenetics: Discovery of Novel Nicotinamide Phosphoribosyltransferase (NAMPT) and Histone Deacetylase (HDAC) Dual Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7965-7983. | 2.9 | 87 |
| 192 | A Predictive Model for Selective Targeting of the Warburg Effect through GAPDH Inhibition with a Natural Product. <i>Cell Metabolism</i> , 2017, 26, 648-659.e8. | 7.2 | 154 |
| 193 | A multiscale agent-based framework integrated with a constraint-based metabolic network model of cancer for simulating avascular tumor growth. <i>Molecular BioSystems</i> , 2017, 13, 1888-1897. | 2.9 | 16 |
| 194 | Discovery of human lactate dehydrogenase A (LDHA) inhibitors as anticancer agents to inhibit the proliferation of MG-63 osteosarcoma cells. <i>MedChemComm</i> , 2017, 8, 1720-1726. | 3.5 | 24 |
| 195 | Catalytic Metallodrugs: Substrate-Selective Metal Catalysts as Therapeutics. <i>Chemistry - A European Journal</i> , 2017, 23, 14113-14127. | 1.7 | 49 |
| 196 | Critical roles of mTORC1 signaling and metabolic reprogramming for M-CSF-mediated myelopoiesis. <i>Journal of Experimental Medicine</i> , 2017, 214, 2629-2647. | 4.2 | 42 |
| 197 | Engineering Tumour Cell-Binding Synthetic Polymers with Sensing Dense Transporters Associated with Aberrant Glutamine Metabolism. <i>Scientific Reports</i> , 2017, 7, 6077. | 1.6 | 14 |
| 198 | Pyruvate kinase isozyme M2 and glutaminase might be promising molecular targets for the treatment of gastric cancer. <i>Cancer Science</i> , 2017, 108, 2462-2469. | 1.7 | 22 |
| 199 | Targeting metabolic reprogramming in KRAS-driven cancers. <i>International Journal of Clinical Oncology</i> , 2017, 22, 651-659. | 1.0 | 102 |
| 200 | Fibroblast-like synoviocyte metabolism in the pathogenesis of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2017, 19, 110. | 1.6 | 311 |
| 201 | Cancer Cell Membrane Camouflaged Cascade Bioreactor for Cancer Targeted Starvation and Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 7006-7018. | 7.3 | 654 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 202 | Understanding metabolism with flux analysis: From theory to application. <i>Metabolic Engineering</i> , 2017, 43, 94-102. | 3.6 | 73 |
| 203 | Crystal structure of heart 6â€phosphofructoâ€2â€kinase/fructoseâ€2,6â€bisphosphatase (PFKFB2) and the inhibitory influence of citrate on substrate binding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 117-124. | 1.5 | 20 |
| 204 | CK2 modulates adipocyte insulin-signaling and is up-regulated in human obesity. <i>Scientific Reports</i> , 2017, 7, 17569. | 1.6 | 24 |
| 205 | Targeting the Selenoprotein Thioredoxin Reductase 1 for Anticancer Therapy. <i>Advances in Cancer Research</i> , 2017, 136, 139-151. | 1.9 | 57 |
| 206 | CHAC1 degradation of glutathione enhances cystine-starvation-induced necroptosis and ferroptosis in human triple negative breast cancer cells via the GCN2-eIF2Î±-ATF4 pathway. <i>Oncotarget</i> , 2017, 8, 114588-114602. | 0.8 | 191 |
| 207 | Autofluorescence imaging captures heterogeneous drug response differences between 2D and 3D breast cancer cultures. <i>Biomedical Optics Express</i> , 2017, 8, 1911. | 1.5 | 25 |
| 208 | In vivo Reprogramming of Cancer Metabolism by MYC. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 35. | 1.8 | 48 |
| 209 | Is There a Therapeutic Window for Metabolism-Based Cancer Therapies?. <i>Frontiers in Endocrinology</i> , 2017, 8, 150. | 1.5 | 20 |
| 210 | The Emerging Facets of Non-Cancerous Warburg Effect. <i>Frontiers in Endocrinology</i> , 2017, 8, 279. | 1.5 | 59 |
| 211 | Cholesterol Metabolism in T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1664. | 2.2 | 63 |
| 212 | Mevalonate Metabolism in Immuno-Oncology. <i>Frontiers in Immunology</i> , 2017, 8, 1714. | 2.2 | 44 |
| 213 | Metabolic Footprints and Molecular Subtypes in Breast Cancer. <i>Disease Markers</i> , 2017, 2017, 1-19. | 0.6 | 52 |
| 214 | Bortezomib resistance in multiple myeloma is associated with increased serine synthesis. <i>Cancer & Metabolism</i> , 2017, 5, 7. | 2.4 | 115 |
| 215 | Dormancy: An Evolutionary Key Phenomenon in Cancer Development a. , 2017, , 235-242. | | 4 |
| 216 | The dual-hit metabolic modulator LDCA synergistically potentiates doxorubicin to selectively combat cancer-associated hallmarks. <i>RSC Advances</i> , 2017, 7, 53322-53333. | 1.7 | 1 |
| 217 | The Bioenergetic Role of Mitochondria in Lung Cancer. , 2017, , . | | 3 |
| 218 | MYCN drives glutaminolysis in neuroblastoma and confers sensitivity to an ROS augmenting agent. <i>Cell Death and Disease</i> , 2018, 9, 220. | 2.7 | 46 |
| 219 | Sensitization of tumor cells to chemotherapy by natural products: A systematic review of preclinical data and molecular mechanisms. <i>FÃ-toterapÃ-Ãc</i> , 2018, 129, 383-400. | 1.1 | 72 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 220 | Review: Synovial Cell Metabolism and Chronic Inflammation in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2018, 70, 984-999. | 2.9 | 210 |
| 221 | Increased Tumor Glycolysis Characterizes Immune Resistance to Adoptive T Cell Therapy. <i>Cell Metabolism</i> , 2018, 27, 977-987.e4. | 7.2 | 398 |
| 222 | The oxidoreductase p66Shc acts as tumor suppressor in <scp>BRAFV</scp>600Eâ€transformed cells. <i>Molecular Oncology</i> , 2018, 12, 869-882. | 2.1 | 4 |
| 223 | Irreversible inhibition of cytosolic thioredoxin reductase 1 as a mechanistic basis for anticancer therapy. <i>Science Translational Medicine</i> , 2018, 10, . | 5.8 | 147 |
| 224 | Sirtuin 1 regulates pulmonary artery smooth muscle cell proliferation. <i>Journal of Hypertension</i> , 2018, 36, 1164-1177. | 0.3 | 48 |
| 225 | Anti-glioma Efficacy and Mechanism of Action of Tripolinolate A from <i>Tripolium pannonicum</i> . <i>Planta Medica</i> , 2018, 84, 786-794. | 0.7 | 2 |
| 226 | <i>Salvia officinalis</i> Induces Apoptosis in Mammary Carcinoma Cells Through Alteration of Bax to Bcl-2 Ratio. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 297-303. | 0.7 | 2 |
| 227 | Anti-glioma Natural Products Downregulating Tumor Glycolytic Enzymes from Marine Actinomycete <i>Streptomyces</i> sp. ZZ406. <i>Scientific Reports</i> , 2018, 8, 72. | 1.6 | 38 |
| 228 | Integrative omics analysis of p53â€dependent regulation of metabolism. <i>FEBS Letters</i> , 2018, 592, 380-393. | 1.3 | 6 |
| 229 | Hypoxia-Mediated In Vivo Tumor Glucose Uptake Measurement and Analysis. <i>Methods in Molecular Biology</i> , 2018, 1742, 107-113. | 0.4 | 8 |
| 230 | Altered metabolism distinguishes high-risk from stable carotid atherosclerotic plaques. <i>European Heart Journal</i> , 2018, 39, 2301-2310. | 1.0 | 104 |
| 231 | Human Elongation Factor 4 Regulates Cancer Bioenergetics by Acting as a Mitochondrial Translation Switch. <i>Cancer Research</i> , 2018, 78, 2813-2824. | 0.4 | 16 |
| 232 | Antiglioma pseurotin A from marine <i>Bacillus</i> sp. FS8D regulating tumour metabolic enzymes. <i>Natural Product Research</i> , 2018, 32, 1353-1356. | 1.0 | 28 |
| 233 | Metabolite Profiling Reveals the Glutathione Biosynthetic Pathway as a Therapeutic Target in Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 264-275. | 1.9 | 43 |
| 234 | The spectrum of T cell metabolism in health and disease. <i>Nature Reviews Immunology</i> , 2018, 18, 19-34. | 10.6 | 315 |
| 235 | Nuclear factor E2-related factor-2 has a differential impact on MCT1 and MCT4 lactate carrier expression in colonic epithelial cells: a condition favoring metabolic symbiosis between colorectal cancer and stromal cells. <i>Oncogene</i> , 2018, 37, 39-51. | 2.6 | 39 |
| 236 | The HPV E6/E7 Oncogenes: Key Factors for Viral Carcinogenesis and Therapeutic Targets. <i>Trends in Microbiology</i> , 2018, 26, 158-168. | 3.5 | 272 |
| 237 | Metabolic regulation of macrophages in tumor microenvironment. <i>Current Opinion in Hematology</i> , 2018, 25, 52-59. | 1.2 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 238 | Targeting epidermal growth factor receptor co-dependent signaling pathways in glioblastoma. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2018, 10, e1398. | 6.6 | 17 |
| 239 | Albumin-Assisted Synthesis of Ultrasmall FeS ₂ Nanodots for Imaging-Guided Photothermal Enhanced Photodynamic Therapy. ACS Applied Materials & Interfaces, 2018, 10, 332-340. | 4.0 | 69 |
| 240 | Dual NAMPT/HDAC Inhibitors as a New Strategy for Multitargeting Antitumor Drug Discovery. ACS Medicinal Chemistry Letters, 2018, 9, 34-38. | 1.3 | 41 |
| 241 | Exploiting Metabolic Vulnerabilities of Cancer with Precision and Accuracy. Trends in Cell Biology, 2018, 28, 201-212. | 3.6 | 94 |
| 242 | Mitochondrial metabolism and cancer. Cell Research, 2018, 28, 265-280. | 5.7 | 818 |
| 243 | Sarcosine influences apoptosis and growth of prostate cells via cell-type specific regulation of distinct sets of genes. Prostate, 2018, 78, 104-112. | 1.2 | 8 |
| 244 | Essential roles of mitochondrial and heme function in lung cancer bioenergetics and tumorigenesis. Cell and Bioscience, 2018, 8, 56. | 2.1 | 31 |
| 245 | The Influence of Metabolism on Drug Response in Cancer. Frontiers in Oncology, 2018, 8, 500. | 1.3 | 182 |
| 246 | Key regulator of cellular metabolism, estrogen-related receptor α , a new therapeutic target in endocrine-related gynecological tumor. Cancer Management and Research, 2018, Volume 10, 6887-6895. | 0.9 | 8 |
| 247 | A novel fatty acid-binding protein 5-estrogen-related receptor β signaling pathway promotes cell growth and energy metabolism in prostate cancer cells. Oncotarget, 2018, 9, 31753-31770. | 0.8 | 40 |
| 248 | Multi-scale computational study of the Warburg effect, reverse Warburg effect and glutamine addiction in solid tumors. PLoS Computational Biology, 2018, 14, e1006584. | 1.5 | 31 |
| 249 | Erythrocyte Membrane Cloaked Metal-Organic Framework Nanoparticle as Biomimetic Nanoreactor for Starvation-Activated Colon Cancer Therapy. ACS Nano, 2018, 12, 10201-10211. | 7.3 | 332 |
| 250 | An ultra-low thiourea catalyzed strain-release glycosylation and a multicatalytic diversification strategy. Nature Communications, 2018, 9, 4057. | 5.8 | 31 |
| 251 | VHL-Mediated Regulation of CHCHD4 and Mitochondrial Function. Frontiers in Oncology, 2018, 8, 388. | 1.3 | 23 |
| 252 | Inhibitors of Lactate Transport: A Promising Approach in Cancer Drug Discovery. , 2018, , 266-266. | | 1 |
| 253 | Cancer Metabolism: a Hope for Curing Cancer. Biomolecules and Therapeutics, 2018, 26, 1-3. | 1.1 | 7 |
| 254 | Potent immunosuppressive effects of the oncometabolite <i>R</i> -2-hydroxyglutarate. Oncoimmunology, 2018, 7, e1528815. | 2.1 | 16 |
| 255 | Immunogenic cell death in anticancer chemotherapy and its impact on clinical studies. Cancer Letters, 2018, 438, 17-23. | 3.2 | 168 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 256 | Fueling the Cycle: CDKs in Carbon and Energy Metabolism. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 93. | 1.8 | 45 |
| 257 | Liver cancer cell lines distinctly mimic the metabolic gene expression pattern of the corresponding human tumours. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 211. | 3.5 | 99 |
| 258 | p53 and metabolism: from mechanism to therapeutics. <i>Oncotarget</i> , 2018, 9, 23780-23823. | 0.8 | 103 |
| 259 | The hallmarks of successful anticancer immunotherapy. <i>Science Translational Medicine</i> , 2018, 10, . | 5.8 | 419 |
| 260 | Modulation of cellular bioenergetics by CO-releasing molecules and NO-donors inhibits the interaction of cancer cells with human lung microvascular endothelial cells. <i>Pharmacological Research</i> , 2018, 136, 160-171. | 3.1 | 21 |
| 261 | Crosstalk between metabolism and epigenetic modifications in autoimmune diseases: a comprehensive overview. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3353-3369. | 2.4 | 40 |
| 262 | Yeast Cells Exposed to Exogenous Palmitoleic Acid Either Adapt to Stress and Survive or Commit to Regulated Liponecrosis and Die. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11. | 1.9 | 9 |
| 263 | Cancer Metabolism: Current Understanding and Therapies. <i>Chemical Reviews</i> , 2018, 118, 6893-6923. | 23.0 | 161 |
| 264 | Identification of a new pyruvate kinase M2 isoform (PKM2) activator for the treatment of non-small-cell lung cancer (NSCLC). <i>Chemical Biology and Drug Design</i> , 2018, 92, 1851-1858. | 1.5 | 17 |
| 265 | One-Carbon Metabolism: Biological Players in Epithelial Ovarian Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2092. | 1.8 | 27 |
| 266 | On the design principles of peptide-drug conjugates for targeted drug delivery to the malignant tumor site. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 930-954. | 1.3 | 110 |
| 267 | Epstein-Barr Virus-Induced Metabolic Rearrangements in Human B-Cell Lymphomas. <i>Frontiers in Microbiology</i> , 2018, 9, 1233. | 1.5 | 30 |
| 268 | Autophagy-Driven Cancer Drug Development. , 2018, , 255-275. | | 2 |
| 269 | The Design and Synthesis of N-Xanthone Benzenesulfonamides as Novel Phosphoglycerate Mutase 1 (PGAM1) Inhibitors. <i>Molecules</i> , 2018, 23, 1396. | 1.7 | 9 |
| 270 | Î±-ketoglutarate dehydrogenase inhibition counteracts breast cancer-associated lung metastasis. <i>Cell Death and Disease</i> , 2018, 9, 756. | 2.7 | 54 |
| 271 | Gene expression profiling of 1200 pancreatic ductal adenocarcinoma reveals novel subtypes. <i>BMC Cancer</i> , 2018, 18, 603. | 1.1 | 63 |
| 272 | Targeting the mevalonate pathway is a novel therapeutic approach to inhibit oncogenic FoxM1 transcription factor in human hepatocellular carcinoma. <i>Oncotarget</i> , 2018, 9, 21022-21035. | 0.8 | 20 |
| 273 | VDAC1 as Pharmacological Target in Cancer and Neurodegeneration: Focus on Its Role in Apoptosis. <i>Frontiers in Chemistry</i> , 2018, 6, 108. | 1.8 | 113 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 274 | The relevance of tyrosine kinase inhibitors for global metabolic pathways in cancer. <i>Molecular Cancer</i> , 2018, 17, 27. | 7.9 | 36 |
| 275 | Sirtuin-4 (SIRT4), a therapeutic target with oncogenic and tumor-suppressive activity in cancer. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 3395-3400. | 1.0 | 42 |
| 276 | Energy Metabolism Rewiring Precedes UVB-Induced Primary Skin Tumor Formation. <i>Cell Reports</i> , 2018, 23, 3621-3634. | 2.9 | 44 |
| 277 | Metabolism of T Lymphocytes in Health and Disease. <i>International Review of Cell and Molecular Biology</i> , 2019, 342, 95-148. | 1.6 | 20 |
| 278 | Functionalized gold nanostructures: promising gene delivery vehicles in cancer treatment. <i>RSC Advances</i> , 2019, 9, 23894-23907. | 1.7 | 43 |
| 279 | GRP94 Is Involved in the Lipid Phenotype of Brain Metastatic Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3883. | 1.8 | 11 |
| 280 | Studying metabolic flux adaptations in cancer through integrated experimental-computational approaches. <i>BMC Biology</i> , 2019, 17, 51. | 1.7 | 20 |
| 281 | Oncometabolites: A new insight for oncology. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e873. | 0.6 | 34 |
| 282 | Exploiting Mitochondrial Vulnerabilities to Trigger Apoptosis Selectively in Cancer Cells. <i>Cancers</i> , 2019, 11, 916. | 1.7 | 67 |
| 283 | Macrophages and Metabolism in the Tumor Microenvironment. <i>Cell Metabolism</i> , 2019, 30, 36-50. | 7.2 | 933 |
| 284 | Combinatorial targeting of MTHFD2 and PAICS in purine synthesis as a novel therapeutic strategy. <i>Cell Death and Disease</i> , 2019, 10, 786. | 2.7 | 21 |
| 285 | Mitochondrial Metabolic Reprogramming by CD36 Signaling Drives Macrophage Inflammatory Responses. <i>Circulation Research</i> , 2019, 125, 1087-1102. | 2.0 | 114 |
| 286 | Gastric cancer depends on aldehyde dehydrogenase 3A1 for fatty acid oxidation. <i>Scientific Reports</i> , 2019, 9, 16313. | 1.6 | 27 |
| 287 | The Epithelial to Mesenchymal Transition Promotes Glutamine Independence by Suppressing GLS2 Expression. <i>Cancers</i> , 2019, 11, 1610. | 1.7 | 31 |
| 288 | Drugging cancer metabolism: Expectations vs. reality. <i>International Review of Cell and Molecular Biology</i> , 2019, 347, 1-26. | 1.6 | 24 |
| 289 | GAPDH Overexpression in the T Cell Lineage Promotes Angioimmunoblastic T Cell Lymphoma through an NF- κ B-Dependent Mechanism. <i>Cancer Cell</i> , 2019, 36, 268-287.e10. | 7.7 | 34 |
| 290 | The induction of HAD-like phosphatases by multiple signaling pathways confers resistance to the metabolic inhibitor 2-deoxyglucose. <i>Science Signaling</i> , 2019, 12, . | 1.6 | 18 |
| 291 | A strategy for poisoning cancer cell metabolism: Inhibition of oxidative phosphorylation coupled to anaplerotic saturation. <i>International Review of Cell and Molecular Biology</i> , 2019, 347, 27-37. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 292 | UVB-induced DHODH upregulation, which is driven by STAT3, is a promising target for chemoprevention and combination therapy of photocarcinogenesis. <i>Oncogenesis</i> , 2019, 8, 52. | 2.1 | 15 |
| 293 | p53/BNIP3-dependent mitophagy limits glycolytic shift in radioresistant cancer. <i>Oncogene</i> , 2019, 38, 3729-3742. | 2.6 | 33 |
| 294 | Revisiting hypoxia therapies for tuberculosis. <i>Clinical Science</i> , 2019, 133, 1271-1280. | 1.8 | 20 |
| 295 | Antimicrobial silver targets glyceraldehyde-3-phosphate dehydrogenase in glycolysis of <i>E. coli</i> . <i>Chemical Science</i> , 2019, 10, 7193-7199. | 3.7 | 42 |
| 296 | Live cell imaging of signaling and metabolic activities. , 2019, 202, 98-119. | | 41 |
| 297 | Can Metabolic Pathways Be Therapeutic Targets in Rheumatoid Arthritis?. <i>Journal of Clinical Medicine</i> , 2019, 8, 753. | 1.0 | 32 |
| 298 | Hypoxia- and MicroRNA-Induced Metabolic Reprogramming of Tumor-Initiating Cells. <i>Cells</i> , 2019, 8, 528. | 1.8 | 62 |
| 299 | Metabolism in Human Mesenchymal Stromal Cells: A Missing Link Between hMSC Biomanufacturing and Therapy?. <i>Frontiers in Immunology</i> , 2019, 10, 977. | 2.2 | 77 |
| 300 | Lethal Poisoning of Cancer Cells by Respiratory Chain Inhibition plus Dimethyl α -Ketoglutarate. <i>Cell Reports</i> , 2019, 27, 820-834.e9. | 2.9 | 36 |
| 301 | Stress responses in stromal cells and tumor homeostasis. , 2019, 200, 55-68. | | 22 |
| 302 | Immunometabolism: A new target for improving cancer immunotherapy. <i>Advances in Cancer Research</i> , 2019, 143, 195-253. | 1.9 | 30 |
| 303 | Inferring cancer dependencies on metabolic genes from large-scale genetic screens. <i>BMC Biology</i> , 2019, 17, 37. | 1.7 | 16 |
| 304 | <p>SIRT4 inhibits the proliferation, migration, and invasion abilities of thyroid cancer cells by inhibiting glutamine metabolism<p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 2397-2408. | 1.0 | 40 |
| 305 | CHCHD4 confers metabolic vulnerabilities to tumour cells through its control of the mitochondrial respiratory chain. <i>Cancer & Metabolism</i> , 2019, 7, 2. | 2.4 | 15 |
| 306 | Bortezomib-induced aerobic glycolysis contributes to chemotherapy-induced painful peripheral neuropathy. <i>Molecular Pain</i> , 2019, 15, 174480691983742. | 1.0 | 29 |
| 307 | Prognostic role of glycolysis for cancer outcome: evidence from 86 studies. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 967-999. | 1.2 | 64 |
| 308 | Glucose transporter 1-mediated vascular translocation of nanomedicines enhances accumulation and efficacy in solid tumors. <i>Journal of Controlled Release</i> , 2019, 301, 28-41. | 4.8 | 56 |
| 309 | Mitochondrial Retrograde Signalling and Metabolic Alterations in the Tumour Microenvironment. <i>Cells</i> , 2019, 8, 275. | 1.8 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 310 | Melatonin Enhances Cisplatin and Radiation Cytotoxicity in Head and Neck Squamous Cell Carcinoma by Stimulating Mitochondrial ROS Generation, Apoptosis, and Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12. | 1.9 | 65 |
| 311 | Trial watch: dietary interventions for cancer therapy. <i>Oncolmmunology</i> , 2019, 8, e1591878. | 2.1 | 52 |
| 312 | High-throughput, label-free, single-cell photoacoustic microscopy of intratumoral metabolic heterogeneity. <i>Nature Biomedical Engineering</i> , 2019, 3, 381-391. | 11.6 | 58 |
| 313 | Metabolic enzymes expressed by cancer cells impact the immune infiltrate. <i>Oncolmmunology</i> , 2019, 8, e1571389. | 2.1 | 15 |
| 314 | The HGF-MET axis coordinates liver cancer metabolism and autophagy for chemotherapeutic resistance. <i>Autophagy</i> , 2019, 15, 1258-1279. | 4.3 | 144 |
| 315 | Exploration of the chondrosarcoma metabolome; the mTOR pathway as an important pro-survival pathway. <i>Journal of Bone Oncology</i> , 2019, 15, 100222. | 1.0 | 14 |
| 316 | Metabolic Profiling of Amino Acids by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS) to Characterize the Significance of Glutamine in Triple-Negative Breast Cancer (TNBC). <i>Analytical Letters</i> , 2019, 52, 1068-1082. | 1.0 | 1 |
| 317 | Metabolic gene NR4A1 as a potential therapeutic target for non-smoking female non-small cell lung cancer patients. <i>Thoracic Cancer</i> , 2019, 10, 715-727. | 0.8 | 10 |
| 318 | GAPDH Expression Predicts the Response to R-CHOP, the Tumor Metabolic Status, and the Response of DLBCL Patients to Metabolic Inhibitors. <i>Cell Metabolism</i> , 2019, 29, 1243-1257.e10. | 7.2 | 56 |
| 319 | Understanding the biology and advent of physics of cancer with perspicacity in current treatment therapy. <i>Life Sciences</i> , 2019, 239, 117060. | 2.0 | 24 |
| 320 | Metabolic Remodelling: An Accomplice for New Therapeutic Strategies to Fight Lung Cancer. <i>Antioxidants</i> , 2019, 8, 603. | 2.2 | 12 |
| 321 | Glycolytic suppression dramatically changes the intracellular metabolic profile of multiple cancer cell lines in a mitochondrial metabolism-dependent manner. <i>Scientific Reports</i> , 2019, 9, 18699. | 1.6 | 149 |
| 322 | Deoxyglucose augments photodynamic therapy induced mitochondrial caspase-independent apoptosis and energy-mediated autophagy. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 352-362. | 1.1 | 12 |
| 323 | Chemosensitization effect of cerium oxide nanosheets by suppressing drug detoxification and efflux. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 301-308. | 2.9 | 13 |
| 324 | The ERK and JNK pathways in the regulation of metabolic reprogramming. <i>Oncogene</i> , 2019, 38, 2223-2240. | 2.6 | 244 |
| 325 | Enzyme targeting strategies for prevention and treatment of cancer: Implications for cancer therapy. <i>Seminars in Cancer Biology</i> , 2019, 56, 1-11. | 4.3 | 81 |
| 326 | Targeting metabolic reprogramming in metastatic melanoma: The key role of nicotinamide phosphoribosyltransferase (NAMPT). <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 192-201. | 2.3 | 30 |
| 327 | NF- κ B and mitochondria cross paths in cancer: mitochondrial metabolism and beyond. <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 118-128. | 2.3 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 328 | Metformin in breast cancer: preclinical and clinical evidence. <i>Current Problems in Cancer</i> , 2020, 44, 100488. | 1.0 | 81 |
| 329 | <i>Cancer Metabolism.</i> , 2020, , 127-138.e4. | | 3 |
| 330 | Oxidative phosphorylation as a potential therapeutic target for cancer therapy. <i>International Journal of Cancer</i> , 2020, 146, 10-17. | 2.3 | 125 |
| 331 | Metabolic Reprogramming and Vulnerabilities in Cancer. <i>Cancers</i> , 2020, 12, 90. | 1.7 | 8 |
| 332 | A synthetic lethal drug combination mimics glucose deprivationâ€“induced cancer cell death in the presence of glucose. <i>Journal of Biological Chemistry</i> , 2020, 295, 1350-1365. | 1.6 | 34 |
| 333 | Identification of human lactate dehydrogenase A inhibitors with anti-osteosarcoma activity through cell-based phenotypic screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126909. | 1.0 | 4 |
| 334 | Targeting Cell Metabolism as Cancer Therapy. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 285-308. | 2.5 | 32 |
| 335 | Importance of the Microbiota Inhibitory Mechanism on the Warburg Effect in Colorectal Cancer Cells. <i>Journal of Gastrointestinal Cancer</i> , 2020, 51, 738-747. | 0.6 | 43 |
| 336 | TGFÎ²-induced metabolic reprogramming during epithelial-to-mesenchymal transition in cancer. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2103-2123. | 2.4 | 152 |
| 337 | Fuzzy modeling and global optimization to predict novel therapeutic targets in cancer cells. <i>Bioinformatics</i> , 2020, 36, 2181-2188. | 1.8 | 10 |
| 338 | Emerging therapeutic approaches for canine sarcomas: Pushing the boundaries beyond the conventional. <i>Veterinary and Comparative Oncology</i> , 2020, 18, 9-24. | 0.8 | 7 |
| 339 | Metabolic changes during malignant transformation in primary cells of oral lichen planus: Succinate accumulation and tumour suppression. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1179-1188. | 1.6 | 13 |
| 340 | Cellular toxicity of the metabolic inhibitor 2-deoxyglucose and associated resistance mechanisms. <i>Biochemical Pharmacology</i> , 2020, 182, 114213. | 2.0 | 53 |
| 341 | Enolase 1 regulates stem cell-like properties in gastric cancer cells by stimulating glycolysis. <i>Cell Death and Disease</i> , 2020, 11, 870. | 2.7 | 55 |
| 342 | Targeted self-activating Au-Fe ₃ O ₄ composite nanocatalyst for enhanced precise hepatocellular carcinoma therapy via dual nanozyme-catalyzed cascade reactions. <i>Applied Materials Today</i> , 2020, 21, 100827. | 2.3 | 24 |
| 343 | The multifaceted role of cell cycle regulators in the coordination of growth and metabolism. <i>FEBS Journal</i> , 2021, 288, 3813-3833. | 2.2 | 33 |
| 344 | Structure-based design, synthesis and bioactivity evaluation of macrocyclic inhibitors of mutant isocitrate dehydrogenase 2 (IDH2) displaying activity in acute myeloid leukemia cells. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112491. | 2.6 | 3 |
| 345 | The Potential of Lonidamine in Combination with Chemotherapy and Physical Therapy in Cancer Treatment. <i>Cancers</i> , 2020, 12, 3332. | 1.7 | 53 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 346 | Chemistry of Advanced Nanomedicines in Cancer Cell Metabolism Regulation. <i>Advanced Science</i> , 2020, 7, 2001388. | 5.6 | 20 |
| 347 | Recent Progress on Activatable Nanomedicines for Immunometabolic Combinational Cancer Therapy. <i>Small Structures</i> , 2020, 1, 2000026. | 6.9 | 54 |
| 348 | Cholesterol and beyond - The role of the mevalonate pathway in cancer biology. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1873, 188351. | 3.3 | 87 |
| 349 | Resveratrol, Curcumin and Piperine Alter Human Glyoxalase 1 in MCF-7 Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5244. | 1.8 | 25 |
| 350 | Mitochondrial TXNRD3 confers drug resistance via redox-mediated mechanism and is a potential therapeutic target in vivo. <i>Redox Biology</i> , 2020, 36, 101652. | 3.9 | 20 |
| 351 | Improving the Treatment of Acute Lymphoblastic Leukemia. <i>Biochemistry</i> , 2020, 59, 3193-3200. | 1.2 | 30 |
| 352 | Recent progress on HDAC inhibitors with dual targeting capabilities for cancer treatment. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112831. | 2.6 | 64 |
| 353 | Membrane disruption, but not metabolic rewiring, is the key mechanism of anticancer-action of FASN-inhibitors: a multi-omics analysis in ovarian cancer. <i>Scientific Reports</i> , 2020, 10, 14877. | 1.6 | 13 |
| 354 | Effects of Mammalian Thioredoxin Reductase Inhibitors. <i>Handbook of Experimental Pharmacology</i> , 2020, 264, 289-309. | 0.9 | 13 |
| 355 | Non-metabolic role of UCK2 links EGFR-AKT pathway activation to metastasis enhancement in hepatocellular carcinoma. <i>Oncogenesis</i> , 2020, 9, 103. | 2.1 | 16 |
| 356 | Genomic investigation of co-targeting tumor immune microenvironment and immune checkpoints in pan-cancer immunotherapy. <i>Npj Precision Oncology</i> , 2020, 4, 29. | 2.3 | 11 |
| 357 | Reading between the (Genetic) Lines: How Epigenetics is Unlocking Novel Therapies for Type 1 Diabetes. <i>Cells</i> , 2020, 9, 2403. | 1.8 | 6 |
| 358 | Warburg and Beyond: The Power of Mitochondrial Metabolism to Collaborate or Replace Fermentative Glycolysis in Cancer. <i>Cancers</i> , 2020, 12, 1119. | 1.7 | 117 |
| 359 | Reactive Oxygen Species, Metabolic Plasticity, and Drug Resistance in Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3412. | 1.8 | 50 |
| 360 | Hybrid cell membrane-coated nanoparticles: A multifunctional biomimetic platform for cancer diagnosis and therapy. <i>Acta Biomaterialia</i> , 2020, 112, 1-13. | 4.1 | 173 |
| 361 | Antiapoptotic Clone 11-Derived Peptides Induce <i>In Vitro</i> Death of CD4 ⁺ T Cells Susceptible to HIV-1 Infection. <i>Journal of Virology</i> , 2020, 94, . | 1.5 | 3 |
| 362 | 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. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7410-7421. | 2.9 | 17 |
| 363 | Ca ²⁺ Fluxes and Cancer. <i>Molecular Cell</i> , 2020, 78, 1055-1069. | 4.5 | 130 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 364 | Impact of the Monocarboxylate Transporter-1 (MCT1)-Mediated Cellular Import of Lactate on Stemness Properties of Human Pancreatic Adenocarcinoma Cells. <i>Cancers</i> , 2020, 12, 581. | 1.7 | 22 |
| 365 | Structurally Strained Half-Sandwich Iridium(III) Complexes As Highly Potent Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4005-4021. | 2.9 | 43 |
| 366 | Recent Advances of Bioresponsive Nano-Sized Contrast Agents for Ultra-High-Field Magnetic Resonance Imaging. <i>Frontiers in Chemistry</i> , 2020, 8, 203. | 1.8 | 27 |
| 367 | Metabolic Adaptations in Cancer Stem Cells. <i>Frontiers in Oncology</i> , 2020, 10, 1010. | 1.3 | 100 |
| 368 | Crosstalk between autophagy and metabolic regulation of cancer stem cells. <i>Molecular Cancer</i> , 2020, 19, 27. | 7.9 | 64 |
| 369 | Mitochondrial DNA Haplogroups and Susceptibility to Neuroblastoma. <i>Journal of the National Cancer Institute</i> , 2020, 112, 1259-1266. | 3.0 | 10 |
| 370 | miR-4999-5p Predicts Colorectal Cancer Survival Outcome and Reprograms Glucose Metabolism by Targeting PRKAA2. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 1199-1210. | 1.0 | 15 |
| 371 | Targeting metabolic activity in high-risk neuroblastoma through Monocarboxylate Transporter 1 (MCT1) inhibition. <i>Oncogene</i> , 2020, 39, 3555-3570. | 2.6 | 23 |
| 372 | Modulation of dysregulated cancer metabolism by plant secondary metabolites: A mechanistic review. <i>Seminars in Cancer Biology</i> , 2022, 80, 276-305. | 4.3 | 53 |
| 373 | 5-(Carbamoylmethylene)-oxazolidin-2-ones as a Promising Class of Heterocycles Inducing Apoptosis Triggered by Increased ROS Levels and Mitochondrial Dysfunction in Breast and Cervical Cancer. <i>Biomedicines</i> , 2020, 8, 35. | 1.4 | 22 |
| 374 | Tumour metabolism and its unique properties in prostate adenocarcinoma. <i>Nature Reviews Urology</i> , 2020, 17, 214-231. | 1.9 | 88 |
| 375 | Phosphoglycerate dehydrogenase promotes proliferation and bortezomib resistance through increasing reduced glutathione synthesis in multiple myeloma. <i>British Journal of Haematology</i> , 2020, 190, 52-66. | 1.2 | 40 |
| 376 | Metabolic reprogramming and disease progression in cancer patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165721. | 1.8 | 45 |
| 377 | Nano-biosensor for the in vitro lactate detection using bi-functionalized conducting polymer/N, S-doped carbon; the effect of I^{\pm}CHC inhibitor on lactate level in cancer cell lines. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112094. | 5.3 | 25 |
| 378 | Potent Anticancer Effect of the Natural Steroidal Saponin Gracillin Is Produced by Inhibiting Glycolysis and Oxidative Phosphorylation-Mediated Bioenergetics. <i>Cancers</i> , 2020, 12, 913. | 1.7 | 22 |
| 379 | Developing New Cancer Nanomedicines by Repurposing Old Drugs. <i>Angewandte Chemie</i> , 2020, 132, 22013-22022. | 1.6 | 0 |
| 380 | Developing New Cancer Nanomedicines by Repurposing Old Drugs. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21829-21838. | 7.2 | 38 |
| 381 | Drug development. , 2020, , 159-199. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 382 | A comparative pharmaco-metabolomic study of glutaminase inhibitors in glioma stem-like cells confirms biological effectiveness but reveals differences in target-specificity. <i>Cell Death Discovery</i> , 2020, 6, 20. | 2.0 | 58 |
| 383 | Anticancer mechanisms of metformin: A review of the current evidence. <i>Life Sciences</i> , 2020, 254, 117717. | 2.0 | 69 |
| 384 | AKT but not MYC promotes reactive oxygen species-mediated cell death in oxidative culture. <i>Journal of Cell Science</i> , 2020, 133, . | 1.2 | 7 |
| 385 | Overexpression of Malic Enzyme 2 Indicates Pathological and Clinical Significance in Oral Squamous Cell Carcinoma. <i>International Journal of Medical Sciences</i> , 2020, 17, 799-806. | 1.1 | 2 |
| 386 | Immune metabolism in PD-1 blockade-based cancer immunotherapy. <i>International Immunology</i> , 2021, 33, 17-26. | 1.8 | 26 |
| 387 | Identification of new IDH2 R140Q inhibitors by discriminatory analysisâ€based molecular docking and biological evaluation. <i>Archiv Der Pharmazie</i> , 2021, 354, 2000063. | 2.1 | 4 |
| 388 | Reduction of Squalene Epoxidase by Cholesterol Accumulation Accelerates Colorectal Cancer Progression and Metastasis. <i>Gastroenterology</i> , 2021, 160, 1194-1207.e28. | 0.6 | 75 |
| 389 | Intelligent stimuli-responsive nano immunomodulators for cancer immunotherapy. <i>Chemical Science</i> , 2021, 12, 3130-3145. | 3.7 | 26 |
| 390 | Characterization of drug-induced human mitochondrial ADP/ATP carrier inhibition. <i>Theranostics</i> , 2021, 11, 5077-5091. | 4.6 | 12 |
| 391 | Antiproliferative Activity and Potential Mechanism of Marine-Sourced Streptoglutaramide H against Lung Cancer Cells. <i>Marine Drugs</i> , 2021, 19, 79. | 2.2 | 9 |
| 392 | Glycolytic inhibitor induces metabolic crisis in solid cancer cells to enhance cold plasmaâ€induced cell death. <i>Plasma Processes and Polymers</i> , 2021, 18, 2000187. | 1.6 | 6 |
| 393 | Targeting coenzyme Q10 synthesis overcomes bortezomib resistance in multiple myeloma. <i>Molecular Omics</i> , 2022, 18, 19-30. | 1.4 | 8 |
| 394 | Summary, discussion, and conclusions. , 2021, , 369-385. | | 0 |
| 395 | Screening of metabolic modulators identifies new strategies to target metabolic reprogramming in melanoma. <i>Scientific Reports</i> , 2021, 11, 4390. | 1.6 | 11 |
| 396 | Ferroptosisâ€related gene CHAC1 is a valid indicator for the poor prognosis of kidney renal clear cell carcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3610-3621. | 1.6 | 55 |
| 397 | Nanosonosensitizer-Augmented Sonodynamic Therapy Combined with Checkpoint Blockade for Cancer Immunotherapy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1889-1899. | 3.3 | 28 |
| 398 | Nanoagentâ€Promoted Mildâ€Temperature Photothermal Therapy for Cancer Treatment. <i>Advanced Functional Materials</i> , 2021, 31, 2100738. | 7.8 | 146 |
| 399 | A pan-cancer study of selenoprotein genes as promising targets for cancer therapy. <i>BMC Medical Genomics</i> , 2021, 14, 78. | 0.7 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-------|-----------|
| 400 | Hypoxia modulation by dual-drug nanoparticles for enhanced synergistic sonodynamic and starvation therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 87. | 4.2 | 23 |
| 401 | A small-molecule pan-class I glucose transporter inhibitor reduces cancer cell proliferation in vitro and tumor growth in vivo by targeting glucose-based metabolism. <i>Cancer & Metabolism</i> , 2021, 9, 14. | 2.4 | 22 |
| 402 | Reciprocal regulation of cellular mechanics and metabolism. <i>Nature Metabolism</i> , 2021, 3, 456-468. | 5.1 | 40 |
| 403 | Contourner la résistance à l'immunothérapie des cancers: interventions ciblées sur le microbiome intestinal. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2021, 205, 364-382. | 0.0 | 0 |
| 404 | Stimulation of cholesterol biosynthesis in mitochondrial complex I-deficiency lowers reductive stress and improves motor function and survival in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166062. | 1.8 | 7 |
| 405 | Octamer transcription factor-1 induces the Warburg effect via up-regulation of hexokinase 2 in non-small cell lung cancer. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3423-3431. | 1.4 | 5 |
| 406 | Metabolomics in cancer research and emerging applications in clinical oncology. <i>Ca-A Cancer Journal for Clinicians</i> , 2021, 71, 333-358. | 157.7 | 267 |
| 407 | Isocitrate Dehydrogenase 2 Inhibitors for the Treatment of Hematologic Malignancies: Advances and Future Opportunities. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021, 21, 1113-1122. | 1.1 | 0 |
| 408 | Cholesterol metabolism: a new molecular switch to control inflammation. <i>Clinical Science</i> , 2021, 135, 1389-1408. | 1.8 | 43 |
| 409 | Structural and biochemical properties of L-asparaginase. <i>FEBS Journal</i> , 2021, 288, 4183-4209. | 2.2 | 42 |
| 410 | LINC00842 inactivates transcription co-regulator PGC-1 β to promote pancreatic cancer malignancy through metabolic remodelling. <i>Nature Communications</i> , 2021, 12, 3830. | 5.8 | 34 |
| 411 | Tumor Microenvironment-Derived Metabolites: A Guide to Find New Metabolic Therapeutic Targets and Biomarkers. <i>Cancers</i> , 2021, 13, 3230. | 1.7 | 17 |
| 412 | Cancer cell metabolism connects epigenetic modifications to transcriptional regulation. <i>FEBS Journal</i> , 2022, 289, 1302-1314. | 2.2 | 23 |
| 413 | Pyrroline-5-Carboxylate Reductase 1 Directs the Cartilage Protective and Regenerative Potential of Murphy Roths Large Mouse Mesenchymal Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 604756. | 1.8 | 6 |
| 414 | Development of a Rapid <i>In Vitro</i> Screening Assay Using Metabolic Inhibitors to Detect Highly Selective Anticancer Agents. <i>ACS Omega</i> , 2021, 6, 18333-18343. | 1.6 | 6 |
| 415 | Hybrid Membrane-Coated Biomimetic Nanoparticles (HM@BNPs): A Multifunctional Nanomaterial for Biomedical Applications. <i>Biomacromolecules</i> , 2021, 22, 3149-3167. | 2.6 | 50 |
| 416 | Identification of a Small-Molecule Glucose Transporter Inhibitor, Glutipyran, That Inhibits Cancer Cell Growth. <i>ACS Chemical Biology</i> , 2021, 16, 1576-1586. | 1.6 | 7 |
| 417 | Recent advances in the role of Th17/Treg cells in tumor immunity and tumor therapy. <i>Immunologic Research</i> , 2021, 69, 398-414. | 1.3 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 418 | The Warburg effect as a therapeutic target for bladder cancers and intratumoral heterogeneity in associated molecular targets. <i>Cancer Science</i> , 2021, 112, 3822-3834. | 1.7 | 19 |
| 419 | Metabolic landscapes in sarcomas. <i>Journal of Hematology and Oncology</i> , 2021, 14, 114. | 6.9 | 10 |
| 420 | Systemically Applicable Glutamine-Functionalized Polymer Exerting Multivalent Interaction with Tumors Overexpressing ASCT2. <i>ACS Applied Bio Materials</i> , 2021, 4, 7402-7407. | 2.3 | 4 |
| 421 | Metabolic checkpoints and novel approaches for immunotherapy against cancer. <i>International Journal of Cancer</i> , 2022, 150, 195-207. | 2.3 | 7 |
| 422 | Heterogeneous response of cancer-associated fibroblasts to the glucose deprivation through mitochondrial calcium uniporter. <i>Experimental Cell Research</i> , 2021, 406, 112778. | 1.2 | 1 |
| 423 | A tumor acidity-driven transformable polymeric nanoassembly with deep tumor penetration and membrane-anchoring capability for targeted photodynamic therapy. <i>Biomaterials</i> , 2021, 276, 121024. | 5.7 | 10 |
| 424 | Metabolic Plasticity and Combinatorial Radiosensitisation Strategies in Human Papillomavirus-Positive Squamous Cell Carcinoma of the Head and Neck Cell Lines. <i>Cancers</i> , 2021, 13, 4836. | 1.7 | 6 |
| 425 | Biomimetic Cascade Polymer Nanoreactors for Starvation and Photodynamic Cancer Therapy. <i>Molecules</i> , 2021, 26, 5609. | 1.7 | 9 |
| 426 | Targeting the tumor metabolism by oxamate potentiates the impact of chemotherapeutics in colorectal cancer cells. <i>Journal of Basic and Clinical Health Sciences</i> , 0, , . | 0.2 | 0 |
| 427 | Sublethal heat stress-induced O-GlcNAcylation coordinates the Warburg effect to promote hepatocellular carcinoma recurrence and metastasis after thermal ablation. <i>Cancer Letters</i> , 2021, 518, 23-34. | 3.2 | 32 |
| 428 | Targeting glioma stem cell metabolism to enhance therapy responses and minimize resistance. , 2021, , 103-113. | | 0 |
| 429 | Cell membrane inspired nano-shell enabling long-acting Glucose Oxidase for Melanoma starvation therapy via microneedles-based percutaneous delivery. <i>Theranostics</i> , 2021, 11, 8270-8282. | 4.6 | 26 |
| 430 | Oxidative Pentose Phosphate Pathway Enzyme 6-Phosphogluconate Dehydrogenase Plays a Key Role in Breast Cancer Metabolism. <i>Biology</i> , 2021, 10, 85. | 1.3 | 14 |
| 431 | The pathways related to glutamine metabolism, glutamine inhibitors and their implication for improving the efficiency of chemotherapy in triple-negative breast cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108366. | 2.4 | 28 |
| 432 | The Immune Consequences of Lactate in the Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1259, 113-124. | 0.8 | 43 |
| 433 | Enzymes in Metabolic Anticancer Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1148, 173-199. | 0.8 | 19 |
| 434 | GLUT1 is an AR target contributing to tumor growth and glycolysis in castration-resistant and enzalutamide-resistant prostate cancers. <i>Cancer Letters</i> , 2020, 485, 45-55. | 3.2 | 42 |
| 435 | A synthetic lethal drug combination mimics glucose deprivation-induced cancer cell death in the presence of glucose. <i>Journal of Biological Chemistry</i> , 2020, 295, 1350-1365. | 1.6 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 436 | Towards the routine use of <i>in silico</i> screenings for drug discovery using metabolic modelling. <i>Biochemical Society Transactions</i> , 2020, 48, 955-969. | 1.6 | 13 |
| 440 | Targeting glutamine metabolism enhances tumor-specific immunity by modulating suppressive myeloid cells. <i>Journal of Clinical Investigation</i> , 2020, 130, 3865-3884. | 3.9 | 230 |
| 441 | Model-driven discovery of long-chain fatty acid metabolic reprogramming in heterogeneous prostate cancer cells. <i>PLoS Computational Biology</i> , 2018, 14, e1005914. | 1.5 | 22 |
| 442 | 2-Deoxy-d-Glucose Can Complement Doxorubicin and Sorafenib to Suppress the Growth of Papillary Thyroid Carcinoma Cells. <i>PLoS ONE</i> , 2015, 10, e0130959. | 1.1 | 19 |
| 443 | Autophagy Is Pro-Senescence When Seen in Close-Up, but Anti-Senescence in Long-Shot. <i>Molecules and Cells</i> , 2017, 40, 607-612. | 1.0 | 71 |
| 444 | Immunosurveillance of cancer cell stress. <i>Cell Stress</i> , 2019, 3, 295-309. | 1.4 | 10 |
| 445 | Imaging Sensitivity of Quiescent Cancer Cells to Metabolic Perturbations in Bone Marrow Spheroids. <i>Tomography</i> , 2016, 2, 146-157. | 0.8 | 10 |
| 446 | Î±-Ketoglutarate inhibits autophagy. <i>Aging</i> , 2019, 11, 3418-3431. | 1.4 | 30 |
| 447 | Tumor metabolism regulating chemosensitivity in ovarian cancer. <i>Genes and Cancer</i> , 2018, 9, 155-175. | 0.6 | 43 |
| 448 | Divergent <i>in vitro/in vivo</i> responses to drug treatments of highly aggressive NIH-Ras cancer cells: a PET imaging and metabolomics-mass-spectrometry study. <i>Oncotarget</i> , 2016, 7, 52017-52031. | 0.8 | 11 |
| 449 | TP53 mutation hits energy metabolism and increases glycolysis in breast cancer. <i>Oncotarget</i> , 2016, 7, 67183-67195. | 0.8 | 46 |
| 450 | Phenformin enhances the therapeutic effect of selumetinib in KRAS-mutant non-small cell lung cancer irrespective of LKB1 status. <i>Oncotarget</i> , 2017, 8, 59008-59022. | 0.8 | 11 |
| 451 | Chemical inhibition of acetyl-CoA carboxylase suppresses self-renewal growth of cancer stem cells. <i>Oncotarget</i> , 2014, 5, 8306-8316. | 0.8 | 94 |
| 452 | Silibinin inhibits aberrant lipid metabolism, proliferation and emergence of androgen-independence in prostate cancer cells via primarily targeting the sterol response element binding protein 1. <i>Oncotarget</i> , 2014, 5, 10017-10033. | 0.8 | 53 |
| 453 | Global metabolic profile identifies choline kinase alpha as a key regulator of glutathione-dependent antioxidant cell defense in ovarian carcinoma. <i>Oncotarget</i> , 2015, 6, 11216-11230. | 0.8 | 20 |
| 454 | Increased expression of fatty acid synthase provides a survival advantage to colorectal cancer cells via upregulation of cellular respiration. <i>Oncotarget</i> , 2015, 6, 18891-18904. | 0.8 | 97 |
| 455 | Targeting cancer cell metabolism in pancreatic adenocarcinoma. <i>Oncotarget</i> , 2015, 6, 16832-16847. | 0.8 | 100 |
| 456 | Metabolic alterations caused by HNF1Î² expression in ovarian clear cell carcinoma contribute to cell survival. <i>Oncotarget</i> , 2015, 6, 26002-26017. | 0.8 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 457 | Estrogen related receptor $\hat{\pm}$ (ERR $\hat{\pm}$) a promising target for the therapy of adrenocortical carcinoma (ACC). <i>Oncotarget</i> , 2015, 6, 25135-25148. | 0.8 | 39 |
| 458 | Ovarian clear cell carcinoma meets metabolism; HNF-1 $\hat{2}$ confers survival benefits through the Warburg effect and ROS reduction. <i>Oncotarget</i> , 2015, 6, 30704-30714. | 0.8 | 44 |
| 459 | Reducing the serine availability complements the inhibition of the glutamine metabolism to block leukemia cell growth. <i>Oncotarget</i> , 2016, 7, 1765-1776. | 0.8 | 53 |
| 460 | A novel approach to the discovery of anti-tumor pharmaceuticals: searching for activators of liponecrosis. <i>Oncotarget</i> , 2016, 7, 5204-5225. | 0.8 | 17 |
| 461 | A nuclear-directed human pancreatic ribonuclease (PE5) targets the metabolic phenotype of cancer cells. <i>Oncotarget</i> , 2016, 7, 18309-18324. | 0.8 | 15 |
| 462 | Metabolic Remodeling Induced by Adipocytes: A New Achilles' Heel in Invasive Breast Cancer?. <i>Current Medicinal Chemistry</i> , 2020, 27, 3984-4001. | 1.2 | 20 |
| 463 | Small Molecules and Alzheimer's Disease: Misfolding, Metabolism and Imaging. <i>Current Alzheimer Research</i> , 2015, 12, 445-461. | 0.7 | 21 |
| 464 | Vnn1 pantetheinase limits the Warburg effect and sarcoma growth by rescuing mitochondrial activity. <i>Life Science Alliance</i> , 2018, 1, e201800073. | 1.3 | 24 |
| 465 | Molecular and Metabolic Subtypes Correspondence for Pancreatic Ductal Adenocarcinoma Classification. <i>Journal of Clinical Medicine</i> , 2020, 9, 4128. | 1.0 | 22 |
| 466 | Chloroquine increases the anti-cancer activity of epirubicin in A549 lung cancer cells. <i>Oncology Letters</i> , 2020, 20, 53-60. | 0.8 | 1 |
| 467 | Oncogene-Driven Metabolic Alterations in Cancer. <i>Biomolecules and Therapeutics</i> , 2018, 26, 45-56. | 1.1 | 58 |
| 468 | Targeting ROS for Cancer Therapy. <i>Chemotherapy</i> , 2016, 05, . | 0.0 | 6 |
| 469 | Wide Applications of Chloroquine Other Than Antimalarial. <i>Pharmacology & Pharmacy</i> , 2020, 11, 251-281. | 0.2 | 3 |
| 471 | Modular self-assembly system for development of oligomeric, highly internalizing and potent cytotoxic conjugates targeting fibroblast growth factor receptors. <i>Journal of Biomedical Science</i> , 2021, 28, 69. | 2.6 | 7 |
| 472 | An Overview of Cancer Metabolism. <i>SpringerBriefs in Systems Biology</i> , 2014, , 1-6. | 0.1 | 0 |
| 473 | Fighting Fire with Fire in Cancer. , 2015, , 39-49. | | 1 |
| 474 | Cancer Metabolism. , 2018, , 129-154. | | 0 |
| 481 | Design, synthesis and anticancer activity of 2-arylimidazo[1,2-a]pyridinyl-3-amines. <i>Bioorganic Chemistry</i> , 2022, 118, 105464. | 2.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 482 | Recent Advances in Drug Development Targeting Cancer Metabolism. , 2020, , 103-126. | | 0 |
| 483 | BRAF Controls the Effects of Metformin on Neuroblast Cell Divisions in <i>C. elegans</i> . International Journal of Molecular Sciences, 2021, 22, 178. | 1.8 | 5 |
| 484 | Radiolabeled Peptide Probes for Liver Cancer Imaging. Current Medicinal Chemistry, 2020, 27, 6968-6986. | 1.2 | 8 |
| 485 | RELATIONSHIP BETWEEN MALIGNANT TUMOR METABOLISM AND TUMOR-BEARING ORGANISM. International Medical Journal, 2020, , 44-48. | 0.1 | 0 |
| 486 | Cancer aetiology and progression: The crucial link between genome, epigenome and metabolome. Nigerian Journal of Basic and Clinical Sciences, 2020, 17, 77. | 0.1 | 0 |
| 487 | Metabolic Pathways of Eukaryotes and Connection to Cell Mechanics. Biological and Medical Physics Series, 2020, , 825-891. | 0.3 | 1 |
| 488 | Key Signaling Pathways Engaged in Cancer Management: Current Update. Current Cancer Therapy Reviews, 2020, 16, 36-48. | 0.2 | 2 |
| 489 | AIEn for cancer discrimination. Materials Science and Engineering Reports, 2021, 146, 100649. | 14.8 | 23 |
| 490 | Myelodysplastic Syndromes and Metabolism. International Journal of Molecular Sciences, 2021, 22, . | 1.8 | 0 |
| 491 | Screening the biological properties of transition metal carbamates reveals gold(I) and silver(I) complexes as potent cytotoxic and antimicrobial agents. Journal of Inorganic Biochemistry, 2022, 227, 111667. | 1.5 | 20 |
| 492 | Increased Lipogenesis is Critical for <scp>Self-Renewal</scp> and Growth of Breast Cancer Stem Cells: Impact of Omega-3 Fatty Acids. Stem Cells, 2021, 39, 1660-1670. | 1.4 | 17 |
| 493 | Myelodysplastic Syndromes and Metabolism. International Journal of Molecular Sciences, 2021, 22, 11250. | 1.8 | 3 |
| 494 | The Importance of Cellular Metabolic Pathways in Pathogenesis and Selective Treatments of Hematological Malignancies. Frontiers in Oncology, 2021, 11, 767026. | 1.3 | 26 |
| 495 | Intrinsically Fluorescent Oligomeric Cytotoxic Conjugates Toxic for FGFR1-Overproducing Cancers. Biomacromolecules, 2021, 22, 5349-5362. | 2.6 | 5 |
| 496 | The Dichotomous Effect of Thiamine Supplementation on Tumorigenesis: A Systematic Review. Nutrition and Cancer, 2021, , 1-16. | 0.9 | 0 |
| 497 | Mitochondrial Metabolism, Oxidative Stress, and the Microenvironment in Breast Cancer Development and Progression. , 2021, , 1-17. | | 0 |
| 498 | A biomimetic ZIF nanoagent for synergistic regulation of glutamine metabolism and intracellular acidosis of cancer. Chemical Communications, 2022, 58, 1554-1557. | 2.2 | 7 |
| 499 | Identification of Mitochondrial DNA Variants Associated With Risk of Neuroblastoma. Journal of the National Cancer Institute, 2022, 114, 910-913. | 3.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 500 | Oxygen self-supplied enzyme nanogels for tumor targeting with amplified synergistic starvation and photodynamic therapy. <i>Acta Biomaterialia</i> , 2022, 142, 274-283. | 4.1 | 32 |
| 501 | Mitochondrial Metabolism, Oxidative Stress, and the Microenvironment in Breast Cancer Development and Progression. , 2022, , 919-935. | | 0 |
| 502 | Identification of Small Molecules Inhibiting Cardiomyocyte Necrosis and Apoptosis by Autophagy Induction and Metabolism Reprogramming. <i>Cells</i> , 2022, 11, 474. | 1.8 | 2 |
| 503 | Nanomedicine Strategies for Management of Drug Resistance in Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1853. | 1.8 | 13 |
| 504 | Understanding metabolic reprogramming in tumor microenvironment. <i>Medical Review</i> , 2021, 1, 111-113. | 0.3 | 0 |
| 506 | Connections between metabolism and epigenetic modifications in cancer. <i>Medical Review</i> , 2021, 1, 199-221. | 0.3 | 7 |
| 508 | Immunological control of ovarian carcinoma by chemotherapy and targeted anticancer agents. <i>Trends in Cancer</i> , 2022, 8, 426-444. | 3.8 | 13 |
| 509 | The Role of L-Carnitine in Mitochondria, Prevention of Metabolic Inflexibility and Disease Initiation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2717. | 1.8 | 62 |
| 510 | Higher vitamin B6 status is associated with improved survival among patients with stage III colorectal cancer. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 303-313. | 2.2 | 2 |
| 511 | Targeting fatty acid β -oxidation impairs monocyte differentiation and prolongs heart allograft survival. <i>JCI Insight</i> , 2022, 7, . | 2.3 | 7 |
| 512 | Drug delivery for metabolism targeted cancer immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114242. | 6.6 | 10 |
| 513 | NOX4: a potential therapeutic target for pancreatic cancer and its mechanism. <i>Journal of Translational Medicine</i> , 2021, 19, 515. | 1.8 | 15 |
| 514 | High Expression of Glycolytic Genes in Clinical Glioblastoma Patients Correlates With Lower Survival. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 752404. | 1.6 | 24 |
| 515 | Targeting oncometabolism to maximize immunotherapy in malignant brain tumors. <i>Oncogene</i> , 2022, 41, 2663-2671. | 2.6 | 5 |
| 516 | Metabolomic Approaches for Detection and Identification of Biomarkers and Altered Pathways in Bladder Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4173. | 1.8 | 40 |
| 517 | Targeting regulated cell death (RCD) with small-molecule compounds in triple-negative breast cancer: a revisited perspective from molecular mechanisms to targeted therapies. <i>Journal of Hematology and Oncology</i> , 2022, 15, 44. | 6.9 | 44 |
| 522 | Quercetin: a silent retarder of fatty acid oxidation in breast cancer metastasis through steering of mitochondrial CPT1. <i>Breast Cancer</i> , 2022, 29, 748-760. | 1.3 | 9 |
| 523 | Advanced nanomedicines for the regulation of cancer metabolism. <i>Biomaterials</i> , 2022, 286, 121565. | 5.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 524 | TRAP1 regulates the response of colorectal cancer cells to hypoxia and inhibits ribosome biogenesis under conditions of oxygen deprivation. <i>International Journal of Oncology</i> , 2022, 60, . | 1.4 | 4 |
| 525 | Anti-hyperglycemic potential of alginate oligosaccharide in a high glucose-induced zebrafish model. <i>Journal of Functional Foods</i> , 2022, 94, 105098. | 1.6 | 4 |
| 527 | Identification of natural product inhibitors of de novo lipogenesis enzymes as an anti-cancer strategy: An in silico approach. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 1-14. | 0.2 | 0 |
| 528 | Glucose Metabolism Intervention-Facilitated Nanomedicine Therapy. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 2707-2731. | 3.3 | 9 |
| 529 | PROTACs: great opportunities for academia and industry (an update from 2020 to 2021). <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, . | 7.1 | 77 |
| 530 | Catalytical nano-immunocomplexes for remote-controlled sono-metabolic checkpoint trimodal cancer therapy. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 76 |
| 531 | Stem cell membrane, stem cell-derived exosomes and hybrid stem cell camouflaged nanoparticles: A promising biomimetic nanoplatfoms for cancer theranostics. <i>Journal of Controlled Release</i> , 2022, 348, 706-722. | 4.8 | 41 |
| 533 | Tumor microenvironmentâ€regulating nanomedicine design to fight multiâ€drug resistant tumors. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2023, 15, . | 3.3 | 8 |
| 534 | Transcriptional, chromatin, and metabolic landscapes of LDHA inhibitorâ€resistant pancreatic ductal adenocarcinoma. <i>Frontiers in Oncology</i> , 0, 12, . | 1.3 | 1 |
| 535 | An integrated bioinformatic investigation of mitochondrial energy metabolism genes in colon adenocarcinoma followed by preliminary validation of CPT2 in tumor immune infiltration. <i>Frontiers in Immunology</i> , 0, 13, . | 2.2 | 1 |
| 537 | Exploring the recent trends in perturbing the cellular signaling pathways in cancer by natural products. <i>Frontiers in Pharmacology</i> , 0, 13, . | 1.6 | 13 |
| 538 | Mitochondrial metabolic determinants of multiple myeloma growth, survival, and therapy efficacy. <i>Frontiers in Oncology</i> , 0, 12, . | 1.3 | 6 |
| 539 | Development of a novel glycolysis-related genes signature for isocitrate dehydrogenase 1-associated glioblastoma multiforme. <i>Frontiers in Immunology</i> , 0, 13, . | 2.2 | 2 |
| 540 | Etomoxir, a carnitine palmitoyltransferase 1 inhibitor, combined with temozolomide reduces stemness and invasiveness in patient-derived glioblastoma tumorspheres. <i>Cancer Cell International</i> , 2022, 22, . | 1.8 | 12 |
| 541 | Targeting Asparagine Synthetase in Tumorigenicity Using Patient-Derived Tumor-Initiating Cells. <i>Cells</i> , 2022, 11, 3273. | 1.8 | 4 |
| 542 | The impact of lipids on the cancerâ€immunity cycle and strategies for modulating lipid metabolism to improve cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 1488-1497. | 5.7 | 9 |
| 543 | A Smart â€Energy NanoLockâ€Selectively Blocks Oral Cancer Energy Metabolism through Synergistic Inhibition of Exogenous Nutrient Supply and Endogenous Energy Production. <i>Advanced Materials</i> , 2023, 35, . | 11.1 | 7 |
| 545 | Relationship between Monocarboxylate Transporter 4 (MCT-4) Expression and Breast Cancer Clinicopathology and Subtype in Sanglah General Hospital, Denpasar, Indonesia. <i>Intisari Sains Medis</i> , 2022, 13, 30-34. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 547 | Targets, Mechanisms and Cytotoxicity of Half-Sandwich Ir(III) Complexes Are Modulated by Structural Modifications on the Benzazole Ancillary Ligand. <i>Cancers</i> , 2023, 15, 107. | 1.7 | 4 |
| 549 | Xanthine dehydrogenase rewires metabolism and the survival of nutrient deprived lung adenocarcinoma cells by facilitating UPR and autophagic degradation. <i>International Journal of Biological Sciences</i> , 2023, 19, 772-788. | 2.6 | 4 |
| 550 | Engineering lactate-modulating nanomedicines for cancer therapy. <i>Chemical Society Reviews</i> , 2023, 52, 973-1000. | 18.7 | 17 |
| 551 | When cancer drug resistance meets metabolomics (bulk, single-cell and/or spatial): Progress, potential, and perspective. <i>Frontiers in Oncology</i> , 0, 12, . | 1.3 | 6 |
| 552 | Time to Change: A Systems Pharmacology Approach to Disentangle Mechanisms of Drug-Induced Mitochondrial Toxicity. <i>Pharmacological Reviews</i> , 2023, 75, 463-486. | 7.1 | 3 |
| 553 | Fatty acid oxidation fuels agonist-induced platelet activation and thrombus formation: Targeting Î²-oxidation of fatty acids as an effective anti-platelet strategy. <i>FASEB Journal</i> , 2023, 37, . | 0.2 | 13 |
| 554 | Nano-Enabled Strategies for the Treatment of Lung Cancer: Potential Bottlenecks and Future Perspectives. <i>Biomedicines</i> , 2023, 11, 473. | 1.4 | 1 |
| 556 | Piezocatalytic 2D WS ₂ Nanosheets for Ultrasound-Triggered and Mitochondria-Targeted Piezodynamic Cancer Therapy Synergized with Energy Metabolism-Targeted Chemotherapy. <i>Advanced Materials</i> , 2023, 35, . | 11.1 | 27 |
| 557 | Mitochondrial Metabolism Drives Low-density Lipoprotein-induced Breast Cancer Cell Migration. <i>Cancer Research Communications</i> , 2023, 3, 709-724. | 0.7 | 0 |
| 558 | Targeting autophagy and lipid metabolism in cancer stem cells. <i>Biochemical Pharmacology</i> , 2023, 212, 115550. | 2.0 | 4 |
| 559 | Improved Tumor Control Following Radiosensitization with Ultrasound-Sensitive Oxygen Microbubbles and Tumor Mitochondrial Respiration Inhibitors in a Preclinical Model of Head and Neck Cancer. <i>Pharmaceutics</i> , 2023, 15, 1302. | 2.0 | 3 |
| 565 | MÃ©tabolisme intermÃ©diaire. , 2023, , 113-115. | | 0 |
| 573 | Participation of protein metabolism in cancer progression and its potential targeting for the management of cancer. <i>Amino Acids</i> , 2023, 55, 1223-1246. | 1.2 | 2 |
| 584 | ROS, Redox Regulation, and Anticancer Therapy. , 2023, , 311-409. | | 0 |
| 591 | Metabolomics in predicting the hallmark of cancer metabolism. <i>Comprehensive Analytical Chemistry</i> , 2024, , 71-92. | 0.7 | 0 |