

Targeting hypoxia in cancer therapy

Nature Reviews Cancer

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Shedding light by cancer redox—human NAD(P)H:quinone oxidoreductase 1 activation of a cloaked fluorescent dye. <i>Chemical Communications</i> , 2011, 47, 11264.	2.2	43
3	Gene expression and hypoxia in breast cancer. <i>Genome Medicine</i> , 2011, 3, 55.	3.6	73
4	Oxygen Sensing, Homeostasis, and Disease. <i>New England Journal of Medicine</i> , 2011, 365, 1845-1846.	13.9	35
5	Phosphorylation of Carbonic Anhydrase IX Controls Its Ability to Mediate Extracellular Acidification in Hypoxic Tumors. <i>Cancer Research</i> , 2011, 71, 7558-7567.	0.4	117
6	Molecular and translational radiation biology/oncology: What's up?. <i>Radiotherapy and Oncology</i> , 2011, 99, 257-261.	0.3	11
7	Frontiers in molecular radiation biology/oncology. <i>Radiotherapy and Oncology</i> , 2011, 101, 1-6.	0.3	11
8	The impact of hypoxia on oncolytic virotherapy. <i>Virus Adaptation and Treatment</i> , 0, , 71.	1.5	6
9	Pronounced Hypoxia in Models of Murine and Human Leukemia: High Efficacy of Hypoxia-Activated Prodrug PR-104. <i>PLoS ONE</i> , 2011, 6, e23108.	1.1	108
10	The effect of a bromide leaving group on the properties of nitro analogs of the duocarmycins as hypoxia-activated prodrugs and phosphate pre-prodrugs for antitumor therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5989-5998.	1.4	7
11	Towards automated production and drug sensitivity testing using scaffold-free spherical tumor microtissues. <i>Biotechnology Journal</i> , 2011, 6, 1488-1496.	1.8	115
12	The effect of sulfonate leaving groups on the hypoxia-selective toxicity of nitro analogs of the duocarmycins. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4851-4860.	1.4	10
13	Oxygen Sensing, Homeostasis, and Disease. <i>New England Journal of Medicine</i> , 2011, 365, 968-968.	13.9	2
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15	When Cells Suffocate: Autophagy in Cancer and Immune Cells under Low Oxygen. <i>International Journal of Cell Biology</i> , 2011, 2011, 1-13.	1.0	30
16	Immunocytes as a Biocarrier to Delivery Therapeutic and Imaging Contrast Agents to Tumors. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8.	1.5	3
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18	Characterization of the Tumor-Microenvironment in Patient-Derived Cervix Xenografts (OCICx). <i>Cancers</i> , 2012, 4, 821-845.	1.7	44
19	The 2-Nitroimidazole EF5 Is a Biomarker for Oxidoreductases That Activate the Bioreductive Prodrug CEN-209 under Hypoxia. <i>Clinical Cancer Research</i> , 2012, 18, 1684-1695.	3.2	67

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22	Causes, consequences, and remedies for growth-induced solid stress in murine and human tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15101-15108.	3.3	677
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1286	Overcoming Radioresistance: Small Molecule Radiosensitisers and Hypoxia-activated Prodrugs. <i>Clinical Oncology</i> , 2019, 31, 290-302.	0.6	22
1287	Hypoxia-induced tumor exosomes promote M2-like macrophage polarization of infiltrating myeloid cells and microRNA-mediated metabolic shift. <i>Oncogene</i> , 2019, 38, 5158-5173.	2.6	212
1288	Modeling genotypes in their microenvironment to predict single- and multi-cellular behavior. <i>GigaScience</i> , 2019, 8, .	3.3	14
1289	Hypoxic BMSC-derived exosomal miRNAs promote metastasis of lung cancer cells via STAT3-induced EMT. <i>Molecular Cancer</i> , 2019, 18, 40.	7.9	350
1290	Hydrangea-structured tumor microenvironment responsive degradable nanoplatform for hypoxic tumor multimodal imaging and therapy. <i>Biomaterials</i> , 2019, 205, 1-10.	5.7	70
1291	Enzyme-Activated Generation of Reactive Oxygen Species from Heterocyclic <i>N</i> -Oxides under Aerobic and Anaerobic Conditions and Its Relevance to Hypoxia-Selective Prodrugs. <i>Chemical Research in Toxicology</i> , 2019, 32, 348-361.	1.7	19
1292	Highly Stable and Luminescent Oxygen Nanosensor Based on Ruthenium-Containing Metallopolymer for Real-Time Imaging of Intracellular Oxygenation. <i>ACS Sensors</i> , 2019, 4, 984-991.	4.0	21
1293	Gaseous signaling molecules and their application in resistant cancer treatment: from invisible to visible. <i>Future Medicinal Chemistry</i> , 2019, 11, 323-336.	1.1	31
1294	Routine Blood Tests Do Not Predict Survival in Patients with Glioblastoma—Multivariable Analysis of 497 Patients. <i>World Neurosurgery</i> , 2019, 126, e1081-e1091.	0.7	13
1295	Catalase-Integrated Hyaluronic Acid as Nanocarriers for Enhanced Photodynamic Therapy in Solid Tumor. <i>ACS Nano</i> , 2019, 13, 4742-4751.	7.3	293
1296	Pt nanozyme for O ₂ self-sufficient, tumor-specific oxidative damage and drug resistance reversal. <i>Nanoscale Horizons</i> , 2019, 4, 1124-1131.	4.1	48
1297	Functional CRISPR and shRNA Screens Identify Involvement of Mitochondrial Electron Transport in the Activation of Evofosfamide. <i>Molecular Pharmacology</i> , 2019, 95, 638-651.	1.0	11

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1299	Reactive Oxygen Species (ROS)-Based Nanomedicine. <i>Chemical Reviews</i> , 2019, 119, 4881-4985.	23.0	1,519
1300	Drug Delivery to Hypoxic Tumors Targeting Carbonic Anhydrase IX. <i>ACS Symposium Series</i> , 2019, , 223-252.	0.5	1
1301	Prototyping kinase inhibitor-cytotoxin anticancer mutual prodrugs activated by tumour hypoxia: A chemical proof of concept study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1215-1219.	1.0	6
1302	Programmable Therapeutic Nanodevices with Circular Amplification of H ₂ O ₂ in the Tumor Microenvironment for Synergistic Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801627.	3.9	27
1303	Hypomethylation at non-CpG/CpG sites in the promoter of HIF-1 \pm gene combined with enhanced H3K9Ac modification contribute to maintain higher HIF-1 \pm expression in breast cancer. <i>Oncogenesis</i> , 2019, 8, 26.	2.1	22
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1305	Perfluorocarbon regulates the intratumoural environment to enhance hypoxia-based agent efficacy. <i>Nature Communications</i> , 2019, 10, 1580.	5.8	85
1306	Breaking the Depth Dependence by Nanotechnologyâ€Enhanced Xâ€Rayâ€Excited Deep Cancer Theranostics. <i>Advanced Materials</i> , 2019, 31, e1806381.	11.1	125
1307	Stimuli-responsive polymeric micelles for extracellular and intracellular drug delivery. , 2019, , 269-304.		5
1308	Mesoporous silica/organosilica nanoparticles: Synthesis, biological effect and biomedical application. <i>Materials Science and Engineering Reports</i> , 2019, 137, 66-105.	14.8	119
1309	Structural Simplification of Natural Products. <i>Chemical Reviews</i> , 2019, 119, 4180-4220.	23.0	157
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1311	Hypoxia-activated prodrugs and (lack of) clinical progress: The need for hypoxia-based biomarker patient selection in phase III clinical trials. <i>Clinical and Translational Radiation Oncology</i> , 2019, 15, 62-69.	0.9	86
1312	Development of [131I]-EOE-TPZ and [131I]-EOE-TPZMO: Novel Tirapazamine (TPZ)-Based Radioiodinated Pharmaceuticals for Application in Theranostic Management of Hypoxia. <i>Pharmaceuticals</i> , 2019, 12, 3.	1.7	3
1313	Ultrasound Hyperthermia Technology for Radiosensitization. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1025-1043.	0.7	78
1314	Coordination of Timers and Sensors in Cell Signaling. <i>BioEssays</i> , 2019, 41, e1800217.	1.2	8
1315	Normalizing Function of Tumor Vessels: Progress, Opportunities, and Challenges. <i>Annual Review of Physiology</i> , 2019, 81, 505-534.	5.6	303

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1317	Differential Oxygenation in Tumor Microenvironment Modulates Macrophage and Cancer Cell Crosstalk: Novel Experimental Setting and Proof of Concept. <i>Frontiers in Oncology</i> , 2019, 9, 43.	1.3	56
1318	REV7 confers radioresistance of esophagus squamous cell carcinoma by recruiting PRDX2. <i>Cancer Science</i> , 2019, 110, 962-972.	1.7	26
1319	Endogenous stimuli-responsive linkers in nanoliposomal systems for cancer drug targeting. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118716.	2.6	25
1320	Heterogeneity of Vascular Endothelial Cells, De Novo Arteriogenesis and Therapeutic Implications in Pancreatic Neuroendocrine Tumors. <i>Journal of Clinical Medicine</i> , 2019, 8, 1980.	1.0	23
1321	Recent Advances in Glucose Oxidase-Based Nanocomposites for Tumor Therapy. <i>Small</i> , 2019, 15, e1903895.	5.2	187
1322	What Neuroradiologists Need to Know About Radiation Treatment for Neural Tumors. <i>Topics in Magnetic Resonance Imaging</i> , 2019, 28, 37-47.	0.7	1
1323	Matrine Reverses the Warburg Effect and Suppresses Colon Cancer Cell Growth via Negatively Regulating HIF-1 α . <i>Frontiers in Pharmacology</i> , 2019, 10, 1437.	1.6	36
1324	Azo-based near-infrared fluorescent theranostic probe for tracking hypoxia-activated cancer chemotherapy <i>in vivo</i> . <i>Chemical Communications</i> , 2019, 55, 13172-13175.	2.2	35
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1326	A fluorescent probe for simultaneously sensing NTR and hNQO1 and distinguishing cancer cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6822-6827.	2.9	23
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1328	A Near-Infrared Phosphorescent Nanoprobe Enables Quantitative, Longitudinal Imaging of Tumor Hypoxia Dynamics during Radiotherapy. <i>Cancer Research</i> , 2019, 79, 4787-4797.	0.4	20
1329	$^{99\text{mTc}}$ Labelling Strategies for the Development of Potential Nitroimidazolic Hypoxia Imaging Agents. <i>Inorganics</i> , 2019, 7, 128.	1.2	13
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1331	Discovery of pre-therapy 2-deoxy-2- $^{18\text{F}}$ -fluoro-D-glucose positron emission tomography-based radiomics classifiers of survival outcome in non-small-cell lung cancer patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 455-466.	3.3	59
1332	A Highly Sensitive Chemiluminescent Probe for Detecting Nitroreductase and Imaging in Living Animals. <i>Analytical Chemistry</i> , 2019, 91, 1384-1390.	3.2	50
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1336	Hibernating astronautsâ€™ science or fiction?. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 819-828.	1.3	40
1337	LINE-1 and <i>EPAS1</i> DNA methylation associations with high-altitude exposure. <i>Epigenetics</i> , 2019, 14, 1-15.	1.3	44
1338	A two-photon excited O ₂ -evolving nanocomposite for efficient photodynamic therapy against hypoxic tumor. <i>Biomaterials</i> , 2019, 194, 84-93.	5.7	88
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1341	Oral and Oropharyngeal squamous cell carcinoma: prognostic and predictive parameters in the etiopathogenetic route. <i>Expert Review of Anticancer Therapy</i> , 2019, 19, 105-119.	1.1	107
1342	Nanostars on Nanopipette Tips: A Raman Probe for Quantifying Oxygen Levels in Hypoxic Single Cells and Tumours. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2710-2714.	7.2	53
1343	Synthesis, Characterization and <i>in vitro</i> Studies of a Cathepsin B-Cleavable Prodrug of the VEGFR Inhibitor Sunitinib. <i>Chemistry and Biodiversity</i> , 2019, 16, e1800520.	1.0	9
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1345	Hypoxia-tropic Protein Nanocages for Modulation of Tumor- and Chemotherapy-Associated Hypoxia. <i>ACS Nano</i> , 2019, 13, 236-247.	7.3	64
1346	Chemoresistance caused by the microenvironment of glioblastoma and the corresponding solutions. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 39-46.	2.5	47
1347	Combating pancreatic cancer with PI3K pathway inhibitors in the era of personalised medicine. <i>Gut</i> , 2019, 68, 742-758.	6.1	68
1348	Clinicopathological, microenvironmental and genetic determinants of molecular subtypes in KEAP1/NRF2-mutant lung cancer. <i>International Journal of Cancer</i> , 2019, 144, 788-801.	2.3	16
1349	Design of a multifunctional biotinylated copper complex for visualization and quantification of cancer hypoxia levels. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 541-548.	4.0	16
1350	Constant hypoxia inhibits osteoclast differentiation and bone resorption by regulating phosphorylation of JNK and β -catenin. <i>Inflammation Research</i> , 2019, 68, 157-166.	1.6	21
1351	Hypoxia-Activated Prodrugs of PERK Inhibitors. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1238-1248.	1.7	10

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1353	Nanostars on Nanopipette Tips: A Raman Probe for Quantifying Oxygen Levels in Hypoxic Single Cells and Tumours. <i>Angewandte Chemie</i> , 2019, 131, 2736-2740.	1.6	6
1354	Putative electron-affinic radiosensitizers and markers of hypoxic tissue: Synthesis and preliminary in vitro biological characterization of C3-amino-substituted benzotriazine dioxides (BTDOs). <i>European Journal of Medicinal Chemistry</i> , 2019, 165, 216-224.	2.6	2
1355	Molecular landmarks of tumor hypoxia across cancer types. <i>Nature Genetics</i> , 2019, 51, 308-318.	9.4	480
1356	Antitumor effects of circ_000428 in hepatocellular carcinoma via inhibition of HIF-1 α . <i>Molecular Carcinogenesis</i> , 2019, 58, 875-886.	1.3	26
1357	A platinum(II)-acetylide-based conjugated polyelectrolyte for hypoxia imaging via ratiometric and time-resolved luminescence microscopy. <i>Journal of Organometallic Chemistry</i> , 2019, 879, 144-149.	0.8	6
1358	Hypoxia-induced tRNA-derived fragments, novel regulatory factor for doxorubicin resistance in triple-negative breast cancer. <i>Journal of Cellular Physiology</i> , 2019, 234, 8740-8751.	2.0	65
1359	3D tumor spheroids as in vitro models to mimic in vivo human solid tumors resistance to therapeutic drugs. <i>Biotechnology and Bioengineering</i> , 2019, 116, 206-226.	1.7	464
1360	Fast and sensitive dynamic oxygen-enhanced MRI with a cycling gas challenge and independent component analysis. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2514-2525.	1.9	8
1361	HIF-1 α -induced miR-23a-3p/424 cluster promotes colorectal cancer progression via reprogramming metabolism. <i>Cancer Letters</i> , 2019, 440-441, 211-222.	3.2	45
1362	Multifunctional Two-Dimensional Core-Shell MXene@Gold Nanocomposites for Enhanced Photo-Radio Combined Therapy in the Second Biological Window. <i>ACS Nano</i> , 2019, 13, 284-294.	7.3	232
1363	Functionalized Holmium-Doped Hollow Silica Nanospheres for Combined Sonodynamic and Hypoxia-Activated Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1805764.	7.8	79
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1365	Hypoxia-induced autophagy promotes EGFR loss in specific cell contexts, which leads to cell death and enhanced radiosensitivity. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 111, 12-18.	1.2	12
1366	Imaging tumour hypoxia with oxygen-enhanced MRI and BOLD MRI. <i>British Journal of Radiology</i> , 2019, 92, 20180642.	1.0	111
1367	Micropharmacology: An In Silico Approach for Assessing Drug Efficacy Within a Tumor Tissue. <i>Bulletin of Mathematical Biology</i> , 2019, 81, 3623-3641.	0.9	19
1368	Design, synthesis and biological evaluation of a novel platinum(II) complex possessing bioreductive groups for cancer therapy. <i>Chinese Chemical Letters</i> , 2019, 30, 243-246.	4.8	4
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1371	Treasure hunt for peptides with undefined chemical modifications: Proteomics identification of differential albumin adducts of 2-nitroimidazole-indocyanine green in hypoxic tumor. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4376.	0.7	1
1372	Activatable Small-Molecule Hydrogen Sulfide Donors. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 96-109.	2.5	71
1373	Tumor microenvironment targeted nanotherapeutics for cancer therapy and diagnosis: A review. <i>Acta Biomaterialia</i> , 2020, 101, 43-68.	4.1	215
1374	Exosomes: New insights into cancer mechanisms. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 7-16.	1.2	41
1375	In vivo three-dimensional evaluation of tumour hypoxia in nasopharyngeal carcinomas using FMT-CT and MSOT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1027-1038.	3.3	17
1376	A novel LncRNA HITT forms a regulatory loop with HIF-1 α to modulate angiogenesis and tumor growth. <i>Cell Death and Differentiation</i> , 2020, 27, 1431-1446.	5.0	66
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1378	Cellular Plasticity during Metastasis: New Insights Provided by Intravital Microscopy. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a037267.	2.9	10
1379	Exploration of nitroimidazoles as radiosensitizers: application of multilayered feature selection approach in QSAR modeling. <i>Structural Chemistry</i> , 2020, 31, 1043-1055.	1.0	7
1380	Hollow Mesoporous Tantalum Oxide Based Nanospheres for Triple Sensitization of Radiotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5520-5530.	4.0	24
1381	Integrating tumor hypoxic stress in novel and more adaptable strategies for cancer immunotherapy. <i>Seminars in Cancer Biology</i> , 2020, 65, 140-154.	4.3	66
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1389	Hypoxia-responsive nanoparticle based drug delivery systems in cancer therapy: An up-to-date review. <i>Journal of Controlled Release</i> , 2020, 319, 135-156.	4.8	160
1390	Oxygen-Dependent Regulation of Excited-State Deactivation Process of Rational Photosensitizer for Smart Phototherapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1510-1517.	6.6	167
1391	Macrophage-Mediated Delivery of Hypoxia-Activated Prodrug Nanoparticles. <i>Advanced Therapeutics</i> , 2020, 3, 1900162.	1.6	22
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1393	Genetically Encoded Activators of Small Molecules for Imaging and Drug Delivery. <i>Angewandte Chemie</i> , 2020, 132, 7741-7749.	1.6	1
1394	Genetically Encoded Activators of Small Molecules for Imaging and Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7669-7677.	7.2	6
1395	Anti-LDLR modified TPZ@Ce6-PEG complexes for tumor hypoxia-targeting chemo-/radio-/photodynamic/photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 648-654.	2.9	34
1396	Convergent genomic signatures of high-altitude adaptation among domestic mammals. <i>National Science Review</i> , 2020, 7, 952-963.	4.6	52
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1407	Recent Advances in Nanomaterial-Assisted Combinational Sonodynamic Cancer Therapy. <i>Advanced Materials</i> , 2020, 32, e2003214.	11.1	333
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1411	Melatonin and gastrointestinal cancers: Current evidence based on underlying signaling pathways. <i>European Journal of Pharmacology</i> , 2020, 886, 173471.	1.7	24
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1416	Targeting tumor hypoxia and mitochondrial metabolism with anti-parasitic drugs to improve radiation response in high-grade gliomas. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 208.	3.5	79
1417	Activatable Off-on Near-Infrared QCy7-based Fluorogenic Probes for Bioimaging. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3983-3994.	1.7	11
1418	Nanomaterials to relieve tumor hypoxia for enhanced photodynamic therapy. <i>Nano Today</i> , 2020, 35, 100960.	6.2	111
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1420	Re-engineering natural products to engage new biological targets. <i>Natural Product Reports</i> , 2020, 37, 1395-1403.	5.2	38
1421	Advanced nanomaterials for hypoxia tumor therapy: challenges and solutions. <i>Nanoscale</i> , 2020, 12, 21497-21518.	2.8	32
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1425	Enzyme production of <i>D</i> -gluconic acid and glucose oxidase: successful tales of cascade reactions. <i>Catalysis Science and Technology</i> , 2020, 10, 5740-5771.	2.1	80
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1429	Fabrication of hypoxia-responsive and upconversion nanoparticles-modified RBC micro-vehicles for oxygen delivery and chemotherapy enhancement. <i>Biomaterials Science</i> , 2020, 8, 4595-4602.	2.6	17
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1584	Ternary Co(II), Ni(II) and Cu(II) complexes containing dipyrrophenazine and saccharin: Structures, reactivity, binding interactions with biomolecules and DNA damage activity. <i>Inorganica Chimica Acta</i> , 2020, 506, 119532.	1.2	16
1585	Molecular, Macromolecular, and Supramolecular Glucuronide Prodrugs: Lead Identified for Anticancer Prodrug Monotherapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7390-7396.	7.2	29
1586	Luminescent ruthenium(II)-containing metallopolymers with different ligands: synthesis and application as oxygen nanosensor for hypoxia imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2579-2587.	1.9	5
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1588	Optimizing Energy Transfer in Nanostructures Enables In Vivo Cancer Lesion Tracking via Near-Infrared Excited Hypoxia Imaging. <i>Advanced Materials</i> , 2020, 32, e1907718.	11.1	38
1589	Increased autophagy/mitophagy levels in primary tumours of patients with pancreatic neuroendocrine neoplasms. <i>Endocrine</i> , 2020, 68, 438-447.	1.1	11

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1595	Tumor-targeted nanoplatform for in situ oxygenation-boosted immunogenic phototherapy of colorectal cancer. <i>Acta Biomaterialia</i> , 2020, 104, 188-197.	4.1	46
1596	Recent progress of hypoxia-modulated multifunctional nanomedicines to enhance photodynamic therapy: opportunities, challenges, and future development. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1382-1396.	5.7	161
1597	Enzyme-Assisted Photodynamic Therapy Based on Nanomaterials. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2506-2517.	2.6	25
1598	Albumin-stabilized manganese-based nanocomposites with sensitive tumor microenvironment responsivity and their application for efficient siRNA delivery in brain tumors. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1507-1515.	2.9	23
1599	Drugging histone methyltransferases in cancer. <i>Current Opinion in Chemical Biology</i> , 2020, 56, 51-62.	2.8	40
1600	Less is more: Silver-AIE core@shell nanoparticles for multimodality cancer imaging and synergistic therapy. <i>Biomaterials</i> , 2020, 238, 119834.	5.7	48
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1604	A fluorescent naphthalimide NADH mimic for continuous and reversible sensing of cellular redox state. <i>Chemical Communications</i> , 2020, 56, 2240-2243.	2.2	14
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1618	Tumor microenvironment-induced structure changing drug/gene delivery system for overcoming delivery-associated challenges. <i>Journal of Controlled Release</i> , 2020, 323, 203-224.	4.8	55
1619	Biomimetic nanoscale metal-organic framework harnesses hypoxia for effective cancer radiotherapy and immunotherapy. <i>Chemical Science</i> , 2020, 11, 7641-7653.	3.7	78
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1624	Advances in nanomaterials for treatment of hypoxic tumor. <i>National Science Review</i> , 2021, 8, nwa160.	4.6	58
1625	The role of 18F-FAZA PET/CT in detecting lymph node metastases in renal cell carcinoma patients: a prospective pilot trial. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 554-560.	3.3	10

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1627	Enhancement of tumor lethality of ROS in photodynamic therapy. <i>Cancer Medicine</i> , 2021, 10, 257-268.	1.3	70
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1629	Recent Progress in the Development of Multifunctional Nanoplatform for Precise Tumor Phototherapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001207.	3.9	53
1630	A Dinuclear Persulfide-bridged Ruthenium Compound is a Hypoxia-selective Hydrogen Sulfide (H ₂ S) Donor. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1588-1592.	7.2	15
1631	PHLPPing the Script: Emerging Roles of PHLPP Phosphatases in Cell Signaling. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 723-743.	4.2	16
1632	A multifunctional nano system based on DNA and CeO ₂ for intracellular imaging of miRNA and enhancing photodynamic therapy. <i>Talanta</i> , 2021, 221, 121554.	2.9	7
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1634	Tumor Microenvironment Sensitive Nanocarriers for Bioimaging and Therapeutics. <i>Advanced Healthcare Materials</i> , 2021, 10, e2000834.	3.9	40
1635	Hypoxia-degradable zwitterionic phosphorylcholine drug nanogel for enhanced drug delivery to glioblastoma. <i>Chemical Engineering Journal</i> , 2021, 408, 127359.	6.6	28
1636	Silica-supported dual-dye nanoprobe for ratiometric hypoxia sensing. <i>Materials Chemistry Frontiers</i> , 2021, 5, 458-464.	3.2	5
1637	Self-Calibrating Bipartite Fluorescent Sensor for Nitroreductase Activity and Its Application to Cancer and Hypoxic Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 2052-2057.	2.3	16
1638	Associations of self-reported obstructive sleep apnea with total and site-specific cancer risk in older women: a prospective study. <i>Sleep</i> , 2021, 44, .	0.6	17
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1641	A novel long-wavelength off-on fluorescence probe for nitroreductase analysis and hypoxia imaging. <i>Analytica Chimica Acta</i> , 2021, 1144, 76-84.	2.6	15
1642	Hypoxia increases the apoptotic response to betulinic acid and betulin in human non-small cell lung cancer cells. <i>Chemico-Biological Interactions</i> , 2021, 333, 109320.	1.7	14
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1645	Interplay of long non-coding RNAs and HIF-1 α : A new dimension to understanding hypoxia-regulated tumor growth and metastasis. <i>Cancer Letters</i> , 2021, 499, 49-59.	3.2	32
1646	Strategies to expand peptide functionality through hybridisation with a small molecule component. <i>RSC Chemical Biology</i> , 2021, 2, 151-165.	2.0	10
1647	Role of Regular Physical Exercise in Tumor Vasculature: Favorable Modulator of Tumor Milieu. <i>International Journal of Sports Medicine</i> , 2021, 42, 389-406.	0.8	9
1648	Regulating Tumor N^6 -Methyladenosine Methylation Landscape using Hypoxia-Modulating OsS _x Nanoparticles. <i>Small</i> , 2021, 17, e2005086.	5.2	16
1649	Tissue Hypoxia and Alterations in Microvascular Architecture Predict Glioblastoma Recurrence in Humans. <i>Clinical Cancer Research</i> , 2021, 27, 1641-1649.	3.2	21
1650	A Study on Hypoxia Susceptibility of Organ Tissues by Fluorescence Imaging with a Ratiometric Nitroreductase Probe. <i>ACS Sensors</i> , 2021, 6, 148-155.	4.0	47
1651	Polyoxometalate-Based Nanomaterials Toward Efficient Cancer Diagnosis and Therapy. <i>Chemistry - A European Journal</i> , 2021, 27, 6422-6434.	1.7	22
1652	Light-controlled oxygen production and collection for sustainable photodynamic therapy in tumor hypoxia. <i>Biomaterials</i> , 2021, 269, 120621.	5.7	68
1653	A Dinuclear Persulfide-Bridged Ruthenium Compound is a Hypoxia-Selective Hydrogen Sulfide (H ₂ S) Donor. <i>Angewandte Chemie</i> , 2021, 133, 1612-1616.	1.6	0
1654	Molecular engineering to accelerate cancer cell discrimination and boost AIE-active type I photosensitizer for photodynamic therapy under hypoxia. <i>Chemical Engineering Journal</i> , 2021, 410, 128133.	6.6	62
1655	Recent achievements of bioluminescence imaging based on firefly luciferin-luciferase system. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113111.	2.6	33
1657	Roles of Ion Fluxes, Metabolism, and Redox Balance in Cancer Therapy. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1108-1127.	2.5	4
1658	Glioma stem cells and their roles within the hypoxic tumor microenvironment. <i>Theranostics</i> , 2021, 11, 665-683.	4.6	89
1659	Affinity-switchable biotin probes for the analysis of enzymes and small reactive molecules on microarray platform. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 291-297.	0.8	2
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1661	Hypoxia, endoplasmic reticulum stress and chemoresistance: dangerous liaisons. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 28.	3.5	72
1662	Boosting cancer therapy efficiency <i>via</i> photoinduced radical production. <i>Chemical Science</i> , 2021, 12, 9500-9505.	3.7	8

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1664	The design of cyclometalated iridium(III)–metformin complexes for hypoxic cancer treatment. Chemical Communications, 2021, 57, 1093-1096.	2.2	11
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1673	Recent advances in peptide-based nanomaterials for targeting hypoxia. Nanoscale Advances, 2021, 3, 6027-6039.	2.2	6
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1676	Stimuli-responsive transmembrane anion transport by AIE-active fluorescent probes. Organic and Biomolecular Chemistry, 2021, 19, 7446-7459.	1.5	8
1677	Targeting ACSS2 with a Transition-State Mimetic Inhibits Triple-Negative Breast Cancer Growth. Cancer Research, 2021, 81, 1252-1264.	0.4	44
1678	Calcium phosphate engineered photosynthetic microalgae to combat hypoxic-tumor by <i>in-situ</i> modulating hypoxia and cascade radio-phototherapy. Theranostics, 2021, 11, 3580-3594.	4.6	33
1679	The role of hypoxia in the tumor microenvironment and development of cancer stem cell: a novel approach to developing treatment. Cancer Cell International, 2021, 21, 62.	1.8	296
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1683	Progress of exosomes in the diagnosis and treatment of lung cancer. <i>Biomedicine and Pharmacotherapy</i> , 2021, 134, 111111.	2.5	89
1684	p38 MAPK Inhibition Mitigates Hypoxia-Induced AR Signaling in Castration-Resistant Prostate Cancer. <i>Cancers</i> , 2021, 13, 831.	1.7	16
1685	Bacteria-Based Cancer Immunotherapy. <i>Advanced Science</i> , 2021, 8, 2003572.	5.6	115
1686	Recent Development on Controlled Synthesis of Mn-Based Nanostructures for Bioimaging and Cancer Therapy. <i>Advanced Therapeutics</i> , 2021, 4, 2100018.	1.6	15
1687	Azo-Based Hypoxia-Responsive Self-Assembly Near-Infrared Fluorescent Nanoprobe for In Vivo Real-Time Bioimaging of Tumors. <i>ACS Applied Bio Materials</i> , 2021, 4, 2752-2758.	2.3	4
1688	Non-canonical roles of canonical telomere binding proteins in cancers. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4235-4257.	2.4	21
1689	Tumor Microenvironment Triggered Cascade Activation Nanoplatfor for Synergistic and Precise Treatment of Hepatocellular Carcinoma. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002036.	3.9	14
1690	Therapeutic Strategies Against Cancer Stem Cells in Esophageal Carcinomas. <i>Frontiers in Oncology</i> , 2020, 10, 598957.	1.3	9
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1692	Cancer-associated platelet-inspired nanomedicines for cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1702.	3.3	20
1693	Preparation and Bioevaluation of Novel ^{99m} Tc-Labeled Complexes with a 2-Nitroimidazole HYNIC Derivative for Imaging Tumor Hypoxia. <i>Pharmaceutics</i> , 2021, 14, 158.	1.7	5
1694	BML-111, the lipoxin A4 agonist, modulates VEGF or CoCl ₂ -induced migration, angiogenesis and permeability in tumor-derived endothelial cells. <i>Immunology Letters</i> , 2021, 230, 27-35.	1.1	7
1695	mTOR Pathway Activation Assessed by Immunohistochemistry in Cervical Biopsies of HPV-associated Endocervical Adenocarcinomas (HPVA): Correlation With Silva Invasion Patterns. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2021, 29, 527-533.	0.6	2
1696	High expression of TMEM180, a novel tumour marker, is associated with poor survival in stage III colorectal cancer. <i>BMC Cancer</i> , 2021, 21, 302.	1.1	11
1697	Phase IB study of sorafenib and evofosfamide in patients with advanced hepatocellular and renal cell carcinomas (NCCTG N1135, Alliance). <i>Investigational New Drugs</i> , 2021, 39, 1072-1080.	1.2	4
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1702	HIF-1 Inhibitor YC-1 Reverses the Acquired Resistance of EGFR-Mutant HCC827 Cell Line with MET Amplification to Gefitinib. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-9.	1.9	6
1703	Tumor mutation burden as a biomarker in resected gastric cancer via its association with immune infiltration and hypoxia. <i>Gastric Cancer</i> , 2021, 24, 823-834.	2.7	24
1704	Resistance of Hypoxic Cells to Ionizing Radiation Is Mediated in Part via Hypoxia-Induced Quiescence. <i>Cells</i> , 2021, 10, 610.	1.8	19
1705	Intratumoural Cytochrome P450 Expression in Breast Cancer: Impact on Standard of Care Treatment and New Efforts to Develop Tumour-Selective Therapies. <i>Biomedicines</i> , 2021, 9, 290.	1.4	24
1706	An Oxygen-Concentration-Controllable Multiorgan Microfluidic Platform for Studying Hypoxia-Induced Lung Cancer-Liver Metastasis and Screening Drugs. <i>ACS Sensors</i> , 2021, 6, 823-832.	4.0	28
1707	Applications of Biomaterials in 3D Cell Culture and Contributions of 3D Cell Culture to Drug Development and Basic Biomedical Research. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2491.	1.8	58
1708	Immune Checkpoint Inhibitor-Based Strategies for Synergistic Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002104.	3.9	47
1709	Two-Photon Fluorescent Probes for Detecting Enzyme Activities in Live Tissues. <i>ACS Applied Bio Materials</i> , 2021, 4, 2957-2973.	2.3	17
1710	Cardiotoxicity of antiangiogenic drugs: causes and mechanisms. <i>OnCOReview</i> , 2021, 11, 12-18.	0.1	1
1711	Hypoxia in Breast Cancer—Scientific Translation to Therapeutic and Diagnostic Clinical Applications. <i>Frontiers in Oncology</i> , 2021, 11, 652266.	1.3	35
1712	NIR-laser-triggered gadolinium-doped carbon dots for magnetic resonance imaging, drug delivery and combined photothermal chemotherapy for triple negative breast cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 64.	4.2	46
1713	Targeted Regulation of Blood–Brain Barrier for Enhanced Therapeutic Efficiency of Hypoxia-Modifier Nanoparticles and Immune Checkpoint Blockade Antibodies for Glioblastoma. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11657-11671.	4.0	34
1714	Hypoxia-Driven Effects in Cancer: Characterization, Mechanisms, and Therapeutic Implications. <i>Cells</i> , 2021, 10, 678.	1.8	53
1716	Hypoxia-induced therapy resistance: Available hypoxia-targeting strategies and current advances in head and neck cancer. <i>Translational Oncology</i> , 2021, 14, 101017.	1.7	35
1717	Hypoxia Transcriptomic Modifications Induced by Proton Irradiation in U87 Glioblastoma Multiforme Cell Line. <i>Journal of Personalized Medicine</i> , 2021, 11, 308.	1.1	10

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1719	Evofosfamide Is Effective against Pediatric Aggressive Glioma Cell Lines in Hypoxic Conditions and Potentiates the Effect of Cytotoxic Chemotherapy and Ionizing Radiations. <i>Cancers</i> , 2021, 13, 1804.	1.7	5
1720	Hypoxia/Temperature/pH Triple Stimuli-Responsive Block Copolymers: Synthesis, Self-Assembly, and Controlled Drug Release. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100073.	1.7	5
1721	Metal-organic frameworks for therapeutic gas delivery. <i>Advanced Drug Delivery Reviews</i> , 2021, 171, 199-214.	6.6	55
1722	Nanozyme-Powered Giant Unilamellar Vesicles for Mimicry and Modulation of Intracellular Oxidative Stress. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21087-21096.	4.0	15
1723	ALG3 contributes to stemness and radioresistance through regulating glycosylation of TGF- β 2 receptor II in breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 149.	3.5	34
1724	Skeletal Muscle-Adipose Tissue-Tumor Axis: Molecular Mechanisms Linking Exercise Training in Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4469.	1.8	5
1725	Tumor Microenvironment-Responsive Theranostic Nanoplatfor for Guided Molecular Dynamic/Photodynamic Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17392-17403.	4.0	13
1726	Development of Novel 18F-PET Agents for Tumor Hypoxia Imaging. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5593-5602.	2.9	9
1727	Sanguinarine combats hypoxia-induced activation of EphB4 and HIF-1 α pathways in breast cancer. <i>Phytomedicine</i> , 2021, 84, 153503.	2.3	23
1728	Zeolitic Imidazolate Framework Platform for Combinational Starvation Therapy and Oxygen Self-Sufficient Photodynamic Therapy against a Hypoxia Tumor. <i>ACS Applied Bio Materials</i> , 2021, 4, 4413-4421.	2.3	17
1729	The Roles of Programmed Cell Death Ligand-1/ Programmed Cell Death-1 (PD-L1/PD-1) in HPV-induced Cervical Cancer and Potential for their Use in Blockade Therapy. <i>Current Medicinal Chemistry</i> , 2021, 28, 893-909.	1.2	23
1730	Hypoxia and Microvascular Alterations Are Early Predictors of IDH-Mutated Anaplastic Glioma Recurrence. <i>Cancers</i> , 2021, 13, 1797.	1.7	2
1731	Multifunctional MnO_2 nanoparticles for tumor microenvironment modulation and cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1720.	3.3	97
1732	Prion Protein of Extracellular Vesicle Regulates the Progression of Colorectal Cancer. <i>Cancers</i> , 2021, 13, 2144.	1.7	11
1733	Evaluation of the effect of 3D porous Chitosan-alginate scaffold stiffness on breast cancer proliferation and migration. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1990-2000.	2.1	17
1734	Tumour Hypoxia-Mediated Immunosuppression: Mechanisms and Therapeutic Approaches to Improve Cancer Immunotherapy. <i>Cells</i> , 2021, 10, 1006.	1.8	45
1735	Cancer Cell Metabolism in Hypoxia: Role of HIF-1 as Key Regulator and Therapeutic Target. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5703.	1.8	118

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1736	Multifunctional Graphdiyneâ€‘Cerium Oxide Nanozymes Facilitate MicroRNA Delivery and Attenuate Tumor Hypoxia for Highly Efficient Radiotherapy of Esophageal Cancer. <i>Advanced Materials</i> , 2021, 33, e2100556.	11.1	119
1737	Gene Expression Levels of the Prolyl Hydroxylase Domain Proteins PHD1 and PHD2 but Not PHD3 Are Decreased in Primary Tumours and Correlate with Poor Prognosis of Patients with Surgically Resected Non-Small-Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 2309.	1.7	9
1738	Strategies of Alleviating Tumor Hypoxia and Enhancing Tumor Therapeutic Effect by Macromolecular Nanomaterials. <i>Macromolecular Bioscience</i> , 2021, 21, e2100092.	2.1	14
1739	Ferrocene-containing polymersome nanoreactors for synergistically amplified tumor-specific chemodynamic therapy. <i>Journal of Controlled Release</i> , 2021, 333, 500-510.	4.8	54
1740	NOX4 links metabolic regulation in pancreatic cancer to endoplasmic reticulum redox vulnerability and dependence on PRDX4. <i>Science Advances</i> , 2021, 7, .	4.7	15
1741	Copper(II) Pyridyl Aminophenolates: Hypoxiaâ€‘Selective, Nucleusâ€‘Targeting Cytotoxins, and Magnetic Resonance Probes. <i>Chemistry - A European Journal</i> , 2021, 27, 9839-9849.	1.7	10
1742	The therapeutic landscape of hepatocellular carcinoma. <i>Med</i> , 2021, 2, 505-552.	2.2	20
1743	Advances in Application of Azobenzene as a Trigger in Biomedicine: Molecular Design and Spontaneous Assembly. <i>Advanced Materials</i> , 2021, 33, e2007290.	11.1	118
1744	Aspects of the Tumor Microenvironment Involved in Immune Resistance and Drug Resistance. <i>Frontiers in Immunology</i> , 2021, 12, 656364.	2.2	175
1745	Escape From Treatment; the Different Faces of Leukemic Stem Cells and Therapy Resistance in Acute Myeloid Leukemia. <i>Frontiers in Oncology</i> , 2021, 11, 659253.	1.3	55
1746	Identification and validation of a hypoxia-related prognostic and immune microenvironment signature in bladder cancer. <i>Cancer Cell International</i> , 2021, 21, 251.	1.8	16
1748	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. <i>Advanced Materials</i> , 2021, 33, e2008094.	11.1	60
1749	Hypoxia and its impact on the tumour microenvironment of gastroesophageal cancers. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 312-331.	0.8	7
1750	Tumor necrosis: A synergistic consequence of metabolic stress and inflammation. <i>BioEssays</i> , 2021, 43, e2100029.	1.2	24
1751	Rational construction of a reversible arylazo-based NIR probe for cycling hypoxia imaging in vivo. <i>Nature Communications</i> , 2021, 12, 2772.	5.8	37
1752	Antiangiogenesis Combined with Inhibition of the Hypoxia Pathway Facilitates Low-Dose, X-ray-Induced Photodynamic Therapy. <i>ACS Nano</i> , 2021, 15, 11112-11125.	7.3	16
1753	Role of Calixarene in Chemotherapy Delivery Strategies. <i>Molecules</i> , 2021, 26, 3963.	1.7	37
1754	Determinants of resistance to VEGF-TKI and immune checkpoint inhibitors in metastatic renal cell carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 186.	3.5	77

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1755	Phase Ib dose-escalation study of the hypoxia-modifier Myo-inositol trispyrophosphate in patients with hepatopancreatobiliary tumors. <i>Nature Communications</i> , 2021, 12, 3807.	5.8	12
1756	Connectivity Map Analysis Indicates PI3K/Akt/mTOR Inhibitors as Potential Anti-Hypoxia Drugs in Neuroblastoma. <i>Cancers</i> , 2021, 13, 2809.	1.7	10
1757	Plasmon-pyroelectric nanostructures used to produce a temperature-mediated reactive oxygen species for hypoxic tumor therapy. <i>Nano Today</i> , 2021, 38, 101110.	6.2	20
1758	Eradication of large established tumors by drug-loaded bacterial particles via a neutrophil-mediated mechanism. <i>Journal of Controlled Release</i> , 2021, 334, 52-63.	4.8	1
1759	Association of genetic polymorphism rs2071676 in carbonic anhydrase gene (CA9) with the risk of squamous cell carcinoma of lungs and esophagus. <i>Biologia (Poland)</i> , 2021, 76, 2777-2784.	0.8	0
1760	Microbots Gene Delivery System Based on Bifidobacteria in a Tumor Model. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5544.	1.3	1
1761	Dynamic cellular biomechanics in responses to chemotherapeutic drug in hypoxia probed by atomic force spectroscopy. <i>Oncotarget</i> , 2021, 12, 1165-1177.	0.8	6
1762	Perspectives on Hypoxia Signaling in Tumor Stroma. <i>Cancers</i> , 2021, 13, 3070.	1.7	18
1763	Design, Synthesis and In-Vitro Biological Evaluation of Antofine and Tylophorine Prodrugs as Hypoxia-Targeted Anticancer Agents. <i>Molecules</i> , 2021, 26, 3327.	1.7	2
1764	Review "Advances in the Application of Microenvironment-Responsive NIR-II Fluorescent Probes in Organisms. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 076002.	0.9	10
1765	Interfering with Tumor Hypoxia for Radiotherapy Optimization. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 197.	3.5	70
1766	Peritumoral edema in breast cancer at preoperative MRI: an interpretative study with histopathological review toward understanding tumor microenvironment. <i>Scientific Reports</i> , 2021, 11, 12992.	1.6	20
1767	Responsive optical probes for deep-tissue imaging: Photoacoustics and second near-infrared fluorescence. <i>Advanced Drug Delivery Reviews</i> , 2021, 173, 141-163.	6.6	49
1768	Intermittent hypoxia-induced downregulation of microRNA-320b promotes lung cancer tumorigenesis by increasing CDT1 via USP37. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 24, 528-541.	2.3	13
1769	Discovery of 5,6-Bis(4-methoxy-3-methylphenyl)pyridin-2-amine as a WSB1 Degradator to Inhibit Cancer Cell Metastasis. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8621-8643.	2.9	9
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1771	Sunitinib and Evofosfamide (<sc>TH</sc>-302) in Systemic Treatment-Na ⁺ ve Patients with Grade 1/2 Metastatic Pancreatic Neuroendocrine Tumors: The <sc>GETNE</sc>-1408 Trial. <i>Oncologist</i> , 2021, 26, 941-949.	1.9	12
1772	Extracellular Vesicle Transmission of Chemoresistance to Ovarian Cancer Cells Is Associated with Hypoxia-Induced Expression of Glycolytic Pathway Proteins, and Prediction of Epithelial Ovarian Cancer Disease Recurrence. <i>Cancers</i> , 2021, 13, 3388.	1.7	32

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1774	A General Approach to Design Dual Ratiometric Fluorescent and Photoacoustic Probes for Quantitatively Visualizing Tumor Hypoxia Levels In vivo. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	70
1775	A General Approach to Design Dual Ratiometric Fluorescent and Photoacoustic Probes for Quantitatively Visualizing Tumor Hypoxia Levels In vivo. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	12
1776	Therapeutic targeting of the hypoxic tumour microenvironment. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 751-772.	12.5	185
1777	The HIF target MAFF promotes tumor invasion and metastasis through IL11 and STAT3 signaling. <i>Nature Communications</i> , 2021, 12, 4308.	5.8	45
1778	Evaluation of a Refined Implantable Resonator for Deep-Tissue EPR Oximetry in the Clinic. <i>Applied Magnetic Resonance</i> , 2021, 52, 1321-1342.	0.6	3
1779	Non-CpG methylation—a key epigenetic modification in cancer. <i>Briefings in Functional Genomics</i> , 2021, 20, 304-311.	1.3	10
1780	Oxygen-Based Nanocarriers to Modulate Tumor Hypoxia for Ameliorated Anti-Tumor Therapy: Fabrications, Properties, and Future Directions. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 683519.	1.6	18
1781	Elucidating the Molecular Basis of Sorafenib Resistance in HCC: Current Findings and Future Directions. <i>Journal of Hepatocellular Carcinoma</i> , 2021, Volume 8, 741-757.	1.8	29
1782	Is Hypoxia a Factor Influencing PSMA-Directed Radioligand Therapy? An In Silico Study on the Role of Chronic Hypoxia in Prostate Cancer. <i>Cancers</i> , 2021, 13, 3429.	1.7	8
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1784	Development of an Amino Sugar-Based Supramolecular Hydrogelator with Reduction Responsiveness. <i>Jacs Au</i> , 2021, 1, 1639-1646.	3.6	13
1785	Regulation and Functions of Protumoral Unconventional T Cells in Solid Tumors. <i>Cancers</i> , 2021, 13, 3578.	1.7	4
1786	Nanopoxia: Targeting Cancer Hypoxia by Antimonene-Based Nanoplatfom for Precision Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2104607.	7.8	18
1787	Overcoming Tumor Hypoxia through Multiple Pathways Using an All-in-One Polymeric Therapeutic Agent to Enhance Synergistic Cancer Photo/Chemotherapy Effects. <i>Bioconjugate Chemistry</i> , 2021, 32, 1864-1874.	1.8	8
1788	The Anti-VEGF(R) Drug Discovery Legacy: Improving Attrition Rates by Breaking the Vicious Cycle of Angiogenesis in Cancer. <i>Cancers</i> , 2021, 13, 3433.	1.7	67
1789	The Effects of Physical Exercise on Tumor Vasculature: Systematic Review and Meta-analysis. <i>International Journal of Sports Medicine</i> , 2021, 42, 1237-1249.	0.8	5
1790	Small-Molecule Prodrug Nanoassemblies: An Emerging Nanoplatfom for Anticancer Drug Delivery. <i>Small</i> , 2021, 17, e2101460.	5.2	87

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1792	Anion-Responsive Manganese Porphyrin Facilitates Chloride Transport and Induces Immunogenic Cell Death. <i>CCS Chemistry</i> , 2022, 4, 2409-2419.	4.6	8
1793	Nanoprobe-Based Magnetic Resonance Imaging of Hypoxia Predicts Responses to Radiotherapy, Immunotherapy, and Sensitizing Treatments in Pancreatic Tumors. <i>ACS Nano</i> , 2021, 15, 13526-13538.	7.3	30
1794	Synthesis and evaluation of multivalent nitroimidazole-based near-infrared fluorescent agents for neuroblastoma and colon cancer imaging. <i>Bioorganic Chemistry</i> , 2021, 113, 104990.	2.0	3
1795	Artificial tumor microenvironment regulated by first hemorrhage for enhanced tumor targeting and then occlusion for synergistic bioactivation of hypoxia-sensitive plasmosomes. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1487-1499.	5.7	11
1796	The Transcriptional Coactivator, ALL1- β -Fused Gene From Chromosome 9, Simultaneously Sustains Hypoxia Tolerance and Metabolic Advantages in Liver Cancer. <i>Hepatology</i> , 2021, 74, 1952-1970.	3.6	10
1797	An Engineered Patient-Derived Tumor Organoid Model That Can Be Disassembled to Study Cellular Responses in a Graded 3D Microenvironment. <i>Advanced Functional Materials</i> , 2021, 31, 2105349.	7.8	15
1798	Flavylium-Based Hypoxia-Responsive Probe for Cancer Cell Imaging. <i>Molecules</i> , 2021, 26, 4938.	1.7	5
1799	Hypoxic Jumbo Spheroids On-A-Chip (HOnAChip): Insights into Treatment Efficacy. <i>Cancers</i> , 2021, 13, 4046.	1.7	11
1800	A Mitochondrial Oxidative Stress Amplifier to Overcome Hypoxia Resistance for Enhanced Photodynamic Therapy. <i>Small Methods</i> , 2021, 5, e2100581.	4.6	32
1801	Genome-wide synthetic lethal screen unveils novel CAIX-NFS1/xCT axis as a targetable vulnerability in hypoxic solid tumors. <i>Science Advances</i> , 2021, 7, .	4.7	65
1802	Switching Reactive Oxygen Species into Reactive Nitrogen Species by Photocleaved O_2 -Released Nanoplatfoms Favors Hypoxic Tumor Repression. <i>Advanced Science</i> , 2021, 8, e2101065.	5.6	64
1803	Hypoxia in Cancer and Fibrosis: Part of the Problem and Part of the Solution. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8335.	1.8	13
1804	TME-Responsive Multistage Nanoplatform for siRNA Delivery and Effective Cancer Therapy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5909-5921.	3.3	17
1805	Selective Thrombosis of Tumor for Enhanced Hypoxia-Activated Prodrug Therapy. <i>Advanced Materials</i> , 2021, 33, e2104504.	11.1	45
1806	Multifunctional Hybrid Hydrogel Enhanced Antitumor Therapy through Multiple Destroying DNA Functions by a Triple-Combination Synergistic Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101190.	3.9	14
1807	Tirapazamine encapsulated hyaluronic acid nanomicelles realized targeted and efficient photo-bioreductive cascading cancer therapy. <i>Chinese Chemical Letters</i> , 2021, 32, 2400-2404.	4.8	12
1808	Semiconducting Polymer Nanoparticles as Activatable Nanomedicines for Combinational Phototherapy. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4375-4389.	2.0	28

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1810	Tumor-Associated Macrophages and Their Functional Transformation in the Hypoxic Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 741305.	2.2	76
1811	Modulating tumor-associated macrophages to enhance the efficacy of immune checkpoint inhibitors: A TAM-pting approach. , 2022, 231, 107986.		30
1812	Effects of hypoxia and nanocarrier size on pH-responsive nano-delivery system to solid tumors. <i>Scientific Reports</i> , 2021, 11, 19350.	1.6	37
1813	PLAC1 is an independent predictor of poor survival, and promotes cell proliferation and invasion in cervical cancer. <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	7
1814	Resistance to immunotherapy in human malignancies: Mechanisms, research progresses, challenges, and opportunities. <i>Journal of Cellular Physiology</i> , 2022, 237, 346-372.	2.0	13
1815	Recent advances in ruthenium(II) and iridium(III) complexes containing nanosystems for cancer treatment and bioimaging. <i>Coordination Chemistry Reviews</i> , 2021, 443, 214016.	9.5	68
1816	miR-519d-3p suppresses tumorigenicity and metastasis by inhibiting Bcl-w and HIF-1Î± in NSCLC. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 368-379.	2.0	6
1817	Impact of hypoxia on cervical cancer outcomes. <i>International Journal of Gynecological Cancer</i> , 2021, 31, 1459-1470.	1.2	17
1818	The Heterogeneity of the Tumor Microenvironment as Essential Determinant of Development, Progression and Therapy Response of Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 4932.	1.7	19
1819	Azocalix[4]arene-Rhodamine Supramolecular Hypoxia-Sensitive Systems: A Search for the Best Calixarene Hosts and Rhodamine Guests. <i>Molecules</i> , 2021, 26, 5451.	1.7	10
1821	Zwitterionic Block Copolymer Prodrug Micelles for pH Responsive Drug Delivery and Hypoxia-Specific Chemotherapy. <i>Molecular Pharmaceutics</i> , 2022, 19, 1766-1777.	2.3	11
1822	Lack of MOF Decreases Susceptibility to Hypoxia and Promotes Multidrug Resistance in Hepatocellular Carcinoma via HIF-1Î±. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 718707.	1.8	7
1823	Eribulin improves tumor oxygenation demonstrated by 18F-DiFA hypoxia imaging, leading to radio-sensitization in human cancer xenograft models. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 821-833.	3.3	1
1824	Therapeutic Modification of Hypoxia. <i>Clinical Oncology</i> , 2021, 33, e492-e509.	0.6	12
1825	Computational Analysis of Photophysical Properties and Reactivity of a New Phototherapeutic Cyclometalated Au(III)â€Hydride Complex. <i>Chemistry - A European Journal</i> , 2021, 27, 15528-15535.	1.7	5
1826	Inâ€Cell Generation of Anticancer Phenanthridine Through Bioorthogonal Cyclization in Antitumor Prodrug Development. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24043-24047.	7.2	14
1827	Small-molecule probes for fluorescent detection of cellular hypoxia-related nitroreductase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 203, 114199.	1.4	20

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1829	Hypoxia-targeted cupric-tirapazamine liposomes potentiate radiotherapy in prostate cancer spheroids. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121018.	2.6	11
1830	The Stress-Inducible BCL2A1 Is Required for Ovarian Cancer Metastatic Progression in the Peritoneal Microenvironment. <i>Cancers</i> , 2021, 13, 4577.	1.7	6
1831	Engineered in vitro tumor models for cell-based immunotherapy. <i>Acta Biomaterialia</i> , 2021, 132, 345-359.	4.1	13
1832	A pair of long intergenic non-coding RNA LINC00887 variants act antagonistically to control Carbonic Anhydrase IX transcription upon hypoxia in tongue squamous carcinoma progression. <i>BMC Biology</i> , 2021, 19, 192.	1.7	10
1833	Enhanced radiotherapy efficacy and induced anti-tumor immunity in HCC by improving hypoxia microenvironment using oxygen microcapsules. <i>Chemical Engineering Journal</i> , 2021, 422, 130109.	6.6	24
1834	Nitro-Pyrazinotriazapentalene scaffoldsâ€™ nitroreductase quantification and in vitro fluorescence imaging of hypoxia. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130504.	4.0	12
1835	Elevated LncRNA TRERNA1 correlated with activation of HIF-1 α predicts poor prognosis in hepatocellular carcinoma. <i>Pathology Research and Practice</i> , 2021, 227, 153612.	1.0	6
1836	Photothermal photodynamic therapy and enhanced radiotherapy of targeting copolymer-coated liquid metal nanoparticles on liver cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 112023.	2.5	21
1837	Combinatorial therapy in tumor microenvironment: Where do we stand?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188585.	3.3	48
1838	Delivery of therapeutic oligonucleotides in nanoscale. <i>Bioactive Materials</i> , 2022, 7, 292-323.	8.6	29
1839	Challenges and opportunities of nanotechnology in cancer immunotherapy. , 2022, , 197-239.		1
1840	Tumor Microenvironment Status Predicts the Efficacy of Postoperative Chemotherapy or Radiochemotherapy in Resected Gastric Cancer. <i>Frontiers in Immunology</i> , 2020, 11, 609337.	2.2	13
1841	Mathematical simulation of tumour angiogenesis: angiopoietin balance is a key factor in vessel growth and regression. <i>Scientific Reports</i> , 2021, 11, 419.	1.6	7
1842	High expression of hypoxia inducible factor 1 α related with acquired resistant to EGFR tyrosine kinase inhibitors in NSCLC. <i>Scientific Reports</i> , 2021, 11, 1199.	1.6	9
1843	Receptor-interacting protein in malignant digestive neoplasms. <i>Journal of Cancer</i> , 2021, 12, 4362-4371.	1.2	3
1844	Growth of tumor emboli within a vessel model reveals dependence on the magnitude of mechanical constraint. <i>Integrative Biology (United Kingdom)</i> , 2021, 13, 1-16.	0.6	8
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1847	Role of mitochondrial reactive oxygen species in glioblastoma drug resistance and strategies for therapeutic intervention. , 2021, , 263-292.		0
1848	Hypoxia-sensitive long noncoding RNA CASC15 promotes lung tumorigenesis by regulating the SOX4/ β -catenin axis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 12.	3.5	16
1849	Small molecule based fluorescent chemosensors for imaging the microenvironment within specific cellular regions. <i>Chemical Society Reviews</i> , 2021, 50, 12098-12150.	18.7	236
1850	Hypoxia-Triggered Self-Assembly of Ultrasmall Iron Oxide Nanoparticles to Amplify the Imaging Signal of a Tumor. <i>Journal of the American Chemical Society</i> , 2021, 143, 1846-1853.	6.6	91
1851	Hypoxia-Directed Drug Strategies to Target the Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2014, 772, 111-145.	0.8	19
1852	Intratumoral Hypoxia as the Genesis of Genetic Instability and Clinical Prognosis in Prostate Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2014, 772, 189-204.	0.8	28
1853	Application of MOBILE (Mapping of Oxygen By Imaging Lipids relaxation Enhancement) to Study Variations in Tumor Oxygenation. <i>Advances in Experimental Medicine and Biology</i> , 2013, 789, 281-288.	0.8	7
1854	Exploiting α -Hif Addiction β For Cancer Therapy. <i>Cancer Drug Discovery and Development</i> , 2014, , 329-341.	0.2	2
1855	Hypoxia and Gene Expression. <i>Cancer Drug Discovery and Development</i> , 2014, , 91-119.	0.2	2
1856	Hypoxia, Metastasis, and Antiangiogenic Therapies. <i>Cancer Drug Discovery and Development</i> , 2014, , 205-227.	0.2	2
1857	Molecular Genetics of Dysregulated pH Homeostasis. , 2014, , .		1
1858	Necrosis in the Tumor Microenvironment and Its Role in Cancer Recurrence. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1225, 89-98.	0.8	14
1859	Multiple Dynamics in Tumor Microenvironment Under Radiotherapy. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1263, 175-202.	0.8	5
1860	Tumor Microenvironment and Nitric Oxide: Concepts and Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1277, 143-158.	0.8	12
1861	The Role of Hypoxia in Radiation Response. , 2016, , 29-42.		1
1862	Introducing Drug Transport Early in the Design of Hypoxia Selective Anticancer Agents Using a Mathematical Modelling Approach. <i>SIMA I Springer Series</i> , 2012, , 337-353.	0.4	4
1863	Aerobic reactions of antitumor active dirhodium(II) tetraacetate $\text{Rh}_2(\text{CH}_3\text{COO})_4$ with glutathione. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 231-239.	1.1	16

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1866	Hypoxia and cancer related pathology. <i>Cancer Letters</i> , 2020, 486, 1-7.	3.2	42
1867	Deciphering the loop of epithelial-mesenchymal transition, inflammatory cytokines and cancer immunoeediting. <i>Cytokine and Growth Factor Reviews</i> , 2017, 36, 67-77.	3.2	71
1868	Tuning the redox potentials of ternary cobalt(III) complexes containing various hydroxamates. <i>Inorganica Chimica Acta</i> , 2018, 472, 234-242.	1.2	10
1869	Current developments in nanotechnology for improved cancer treatment, focusing on tumor hypoxia. <i>Journal of Controlled Release</i> , 2020, 324, 413-429.	4.8	76
1870	Multifunctional nanoparticles as photosensitizer delivery carriers for enhanced photodynamic cancer therapy. <i>Materials Science and Engineering C</i> , 2020, 115, 111099.	3.8	53
1871	Real-Time Ratiometric Imaging of Micelles Assembly State in a Microfluidic Cancer-on-a-Chip. <i>ACS Applied Bio Materials</i> , 2021, 4, 669-681.	2.3	22
1872	Endothelial Cords Promote Tumor Initial Growth prior to Vascular Function through a Paracrine Mechanism. <i>Scientific Reports</i> , 2016, 6, 19404.	1.6	10
1873	Chemical Biology of <i>O</i> -GlcNAc Glycosylation. <i>Chemical Biology</i> , 2017, , 94-149.	0.1	2
1874	Molecular and nanoengineering approaches towards activatable cancer immunotherapy. <i>Chemical Society Reviews</i> , 2020, 49, 4234-4253.	18.7	228
1875	Smart strategies to overcome tumor hypoxia toward the enhancement of cancer therapy. <i>Nanoscale</i> , 2020, 12, 21519-21533.	2.8	26
1876	Optical and magnetic resonance imaging approaches for investigating the tumour microenvironment: state-of-the-art review and future trends. <i>Nanotechnology</i> , 2021, 32, 062001.	1.3	10
1877	Hypoxia-responsive nanogel as IL-12 carrier for anti-cancer therapy. <i>Nanotechnology</i> , 2021, 32, 095107.	1.3	13
1878	Increased local tumor control through nanoparticle-mediated, radiation-triggered release of nitrite, an important precursor for reactive nitrogen species. <i>Physics in Medicine and Biology</i> , 2020, 65, 195003.	1.6	4
1886	Evofosfamide for the treatment of human papillomavirus-negative head and neck squamous cell carcinoma. <i>JCI Insight</i> , 2018, 3, .	2.3	44
1887	Exogenous sickle erythrocytes combined with vascular disruption trigger disseminated tumor vaso-occlusion and lung tumor regression. <i>JCI Insight</i> , 2019, 4, .	2.3	3
1888	Autophagy orchestrates the regulatory program of tumor-associated myeloid-derived suppressor cells. <i>Journal of Clinical Investigation</i> , 2018, 128, 3840-3852.	3.9	79

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1890	Investigating long noncoding RNAs using animal models. <i>Journal of Clinical Investigation</i> , 2016, 126, 2783-2791.	3.9	23
1891	The impact of hypoxia on tumor-associated macrophages. <i>Journal of Clinical Investigation</i> , 2016, 126, 3672-3679.	3.9	401
1892	Mechanistically distinct cancer-associated mTOR activation clusters predict sensitivity to rapamycin. <i>Journal of Clinical Investigation</i> , 2016, 126, 3526-3540.	3.9	82
1893	Targeted hypoxia reduction restores T cell infiltration and sensitizes prostate cancer to immunotherapy. <i>Journal of Clinical Investigation</i> , 2018, 128, 5137-5149.	3.9	269
1894	Symphony of epigenetic and metabolic regulation—interaction between the histone methyltransferase EZH2 and metabolism of tumor. <i>Clinical Epigenetics</i> , 2020, 12, 72.	1.8	33
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