

Cell cycle control in cancer

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Delineating the Effects of Passaging and Exposure in a Longitudinal Study of Arsenic-Induced Squamous Cell Carcinoma in a HaCaT Cell Line Model. <i>Toxicological Sciences</i> , 2022, 185, 184-196.	1.4	6
3	Therapeutic Potential of CUDC-907 (Fimepinostat) for Hepatocarcinoma Treatment Revealed by Tumor Spheroids-Based Drug Screening. <i>Frontiers in Pharmacology</i> , 2021, 12, 658197.	1.6	10
4	A novel oral inhibitor for one-carbon metabolism and checkpoint kinase 1 inhibitor as a rational combination treatment for breast cancer. <i>Biochemical and Biophysical Research Communications</i> , 2021, 584, 7-14.	1.0	7
5	Cyclin E/CDK2: DNA Replication, Replication Stress and Genomic Instability. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 774845.	1.8	57
7	PEA-15 engages in allosteric interactions using a common scaffold in a phosphorylation-dependent manner. <i>Scientific Reports</i> , 2022, 12, 116.	1.6	1
8	Therapeutic Targets in Diffuse Midline Gliomas—An Emerging Landscape. <i>Cancers</i> , 2021, 13, 6251.	1.7	12
9	p27, The Cell Cycle and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1211.	1.8	15
10	Cell Cycle-Dependent Transcription: The Cyclin Dependent Kinase Cdk1 Is a Direct Regulator of Basal Transcription Machineries. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1293.	1.8	21
11	Targeting Oncogenic Pathways in the Era of Personalized Oncology: A Systemic Analysis Reveals Highly Mutated Signaling Pathways in Cancer Patients and Potential Therapeutic Targets. <i>Cancers</i> , 2022, 14, 664.	1.7	7
12	Targeted inhibition of acidic nucleoplasmic DNA-binding protein 1 enhances radiosensitivity of non-small cell lung cancer. <i>Cancer Letters</i> , 2022, 530, 100-109.	3.2	7
13	Comprehensive Analysis Identified ASF1B as an Independent Prognostic Factor for HBV-Infected Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2022, 12, 838845.	1.3	1
14	The Bright and the Dark Side of TGF- β 2 Signaling in Hepatocellular Carcinoma: Mechanisms, Dysregulation, and Therapeutic Implications. <i>Cancers</i> , 2022, 14, 940.	1.7	16
15	Recent Progress in Nanostructured Smart Drug Delivery Systems for Cancer Therapy: A Review. <i>ACS Applied Bio Materials</i> , 2022, 5, 971-1012.	2.3	133
17	Potential anticancer properties and mechanisms of thymoquinone in osteosarcoma and bone metastasis. <i>Cellular and Molecular Biology Letters</i> , 2022, 27, 21.	2.7	21
18	Green Synthesis and Anticancer Potential of 1,4-Dihydropyridines-Based Triazole Derivatives: In Silico and In Vitro Study. <i>Life</i> , 2022, 12, 519.	1.1	6
19	Targeting oncogene and non-oncogene addiction to inflame the tumour microenvironment. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 440-462.	21.5	58
20	HREM, RNAseq and Cell Cycle Analyses Reveal the Role of the G2/M-Regulatory Protein, WEE1, on the Survivability of Chicken Embryos during Diapause. <i>Biomedicines</i> , 2022, 10, 779.	1.4	5
21	Expression of FOXM1 and PLK1 predicts prognosis of patients with hepatocellular carcinoma. <i>Oncology Letters</i> , 2022, 23, 146.	0.8	8

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22	Therapeutic potential of CDK4/6 inhibitors in renal cell carcinoma. <i>Nature Reviews Urology</i> , 2022, 19, 305-320.	1.9	9
23	Reciprocal regulation of p21 and Chk1 controls the cyclin D1-RB pathway to mediate senescence onset after G2 arrest. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	9
24	Development and Validation of a 7-Gene Inflammatory Signature Forecasts Prognosis and Diverse Immune Landscape in Lung Adenocarcinoma. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 822739.	1.6	1
25	Modulation of Cell-Cycle Progression by Hydrogen Peroxide-Mediated Cross-Linking and Degradation of Cell-Adhesive Hydrogels. <i>Cells</i> , 2022, 11, 881.	1.8	11
26	Discovery of 2-(4-Acrylamidophenyl)-Quinoline-4-Carboxylic Acid Derivatives as Potent SIRT3 Inhibitors. <i>Frontiers in Chemistry</i> , 2022, 10, 880067.	1.8	3
27	Oncopreventive and oncotherapeutic potential of licorice triterpenoid compound glycyrrhizin and its derivatives: Molecular insights. <i>Pharmacological Research</i> , 2022, 178, 106138.	3.1	26
28	In Silico Investigation of the Biological Implications of Complex DNA Damage with Emphasis in Cancer Radiotherapy through a Systems Biology Approach. <i>Molecules</i> , 2021, 26, 7602.	1.7	2
29	Synthesis and Evaluation of Novel Carboxamides Capable of Causing Centrosome Declustering and Apoptosis in Breast Cancer Cells. <i>ChemistrySelect</i> , 2022, 7, .	0.7	5
30	CDC25C as a Predictive Biomarker for Immune Checkpoint Inhibitors in Patients With Lung Adenocarcinoma. <i>Frontiers in Oncology</i> , 2022, 12, 867788.	1.3	3
31	Homologous Recombination Related Signatures Predict Prognosis and Immunotherapy Response in Metastatic Urothelial Carcinoma. <i>Frontiers in Genetics</i> , 2022, 13, 875128.	1.1	4
32	Immune Landscape and Classification in Lung Adenocarcinoma Based on a Novel Cell Cycle Checkpoints Related Signature for Predicting Prognosis and Therapeutic Response. <i>Frontiers in Genetics</i> , 2022, 13, .	1.1	5
33	Population distributions of single-cell adhesion parameters during the cell cycle from high-throughput robotic fluidic force microscopy. <i>Scientific Reports</i> , 2022, 12, 7747.	1.6	13
34	Bendamustine: a review of pharmacology, clinical use and immunological effects (Review). <i>Oncology Reports</i> , 2022, 47, .	1.2	12
35	Antitumor Activity of Rutaecarpine in Human Colorectal Cancer Cells by Suppression of Wnt/ β 2-Catenin Signaling. <i>Journal of Natural Products</i> , 2022, 85, 1407-1418.	1.5	19
36	Anticancer activity of four trinuclear cobalt complexes bearing bis(salicylidene)-1,3-propanediamine derivatives. <i>Journal of Inorganic Biochemistry</i> , 2022, 233, 111860.	1.5	2
38	Establishment of H3K9-methylated heterochromatin and its functions in tissue differentiation and maintenance. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 623-640.	16.1	145
39	Circular RNAs as novel biomarkers in triple-negative breast cancer: a systematic review. <i>Molecular Biology Reports</i> , 2022, 49, 9825-9840.	1.0	2
40	Novel 1,3,4-oxadiazole chalcogen analogues: Synthesis and cytotoxic activity. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114440.	2.6	8

#	ARTICLE	IF	CITATIONS
41	An Integrative Human Pan-Cancer Analysis of Cyclin-Dependent Kinase 1 (CDK1). <i>Cancers</i> , 2022, 14, 2658.	1.7	13
42	Synthesis, Characterization, Antitumor Potential, and Investigation of Mechanism of Action of Copper(II) Complexes with Acylpyruvates as Ligands: Interactions with Biomolecules and Kinetic Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
43	Anticancer mechanism of 7- β -hydroxyfrullanolide on microtubules and computational prediction of its target binding in triple-negative breast cancer cells. <i>PeerJ</i> , 0, 10, e13508.	0.9	0
44	Cytofluorometric assessment of acute cell death responses driven by radiation therapy. <i>Methods in Cell Biology</i> , 2022, , .	0.5	0
45	Targeting cyclin-dependent kinase 1 (CDK1) in cancer: molecular docking and dynamic simulations of potential CDK1 inhibitors. , 2022, 39, .		60
46	18 β -glycyrrhetic acid regulates mitochondrial ribosomal protein L35-associated apoptosis signaling pathways to inhibit proliferation of gastric carcinoma cells. <i>World Journal of Gastroenterology</i> , 2022, 28, 2437-2456.	1.4	7
47	Structural Organization and Function of the Golgi Ribbon During Cell Division. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	4
49	APY0201 Represses Tumor Growth through Inhibiting Autophagy in Gastric Cancer Cells. <i>Journal of Oncology</i> , 2022, 2022, 1-16.	0.6	2
50	CDK activity sensors: genetically encoded ratiometric biosensors for live analysis of the cell cycle. <i>Biochemical Society Transactions</i> , 2022, 50, 1081-1090.	1.6	6
51	Distinct Roles of NANOS1 and NANOS3 in the Cell Cycle and NANOS3-PUM1-FOXM1 Axis to Control G2/M Phase in a Human Primordial Germ Cell Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6592.	1.8	7
52	Targeting CDK7 in oncology: The avenue forward. , 2022, 240, 108229.		7
53	RT-PCR-assisted quantification of type I IFN responses in irradiated cancer cells. <i>Methods in Cell Biology</i> , 2022, , .	0.5	0
54	Spindle and kinetochore-associated complex 3 promotes cell growth via the PI3K/AKT/GSK3 β and PI3K/AKT/FOXO1 pathways and is a potential prognostic biomarker for oral squamous cell carcinoma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2022, 134, 599-614.	0.2	0
55	Influence of <i>Padina gymnospora</i> on Apoptotic Proteins of Oral Cancer Cells—a Proteome-Wide Analysis. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 5945-5962.	1.4	4
56	Impairment of RAD17 Functions by miR-506-3p as a Novel Synthetic Lethal Approach Targeting DNA Repair Pathways in Ovarian Cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	2
57	Chidamide and venetoclax synergistically exert cytotoxicity on multiple myeloma by upregulating BIM expression. <i>Clinical Epigenetics</i> , 2022, 14, .	1.8	1
58	c-myc-mediated upregulation of NAT10 facilitates tumor development via cell cycle regulation in non-small cell lung cancer. , 2022, 39, .		5
59	The DDR-related gene signature with cell cycle checkpoint function predicts prognosis, immune activity, and chemoradiotherapy response in lung adenocarcinoma. <i>Respiratory Research</i> , 2022, 23, .	1.4	7

#	ARTICLE	IF	CITATIONS
60	Latest research progress on anticancer effect of baicalin and its aglycone baicalein. Archives of Pharmacal Research, 2022, 45, 535-557.	2.7	22
61	Circadian Rhythm Dysregulation and Leukemia Development: The Role of Clock Genes as Promising Biomarkers. International Journal of Molecular Sciences, 2022, 23, 8212.	1.8	5
62	Effect of concomitant use of pitavastatin with neoadjuvant chemotherapy protocols in breast cancer patients: A randomized controlled clinical trial. Saudi Pharmaceutical Journal, 2022, 30, 1486-1496.	1.2	6
63	Green synthesis of nanoparticles from biodegradable waste extracts and their applications: a critical review. Nanotechnology for Environmental Engineering, 2023, 8, 377-397.	2.0	73
64	Reclassifying tumour cell cycle activity in terms of its tissue of origin. Npj Precision Oncology, 2022, 6, .	2.3	4
65	Synthetic Homoisoflavane Derivatives of Cremastranone Suppress Growth of Colorectal Cancer Cells through Cell Cycle Arrest and Induction of Apoptosis. Biomolecules and Therapeutics, 2022, , .	1.1	2
66	Pediatric Diffuse Midline Gliomas: An Unfinished Puzzle. Diagnostics, 2022, 12, 2064.	1.3	20
67	Targeted Alpha Therapy of Glioma Using ²¹¹ At-Labeled Heterodimeric Peptide Targeting Both VEGFR and Integrins. Molecular Pharmaceutics, 2022, 19, 3206-3216.	2.3	7
69	Integrative transcriptional characterization of cell cycle checkpoint genes promotes clinical management and precision medicine in bladder carcinoma. Frontiers in Oncology, 0, 12, .	1.3	1
70	Translational significance of CDKN2A/B homozygous deletion in isocitrate dehydrogenase-mutant astrocytoma. Neuro-Oncology, 2023, 25, 28-36.	0.6	7
72	Presence of the GFI1-36N single nucleotide polymorphism enhances the response of MLL-AF9 leukemic cells to CDK4/6 inhibition. Frontiers in Oncology, 0, 12, .	1.3	0
73	Deep learning reveals cuproptosis features assist in predict prognosis and guide immunotherapy in lung adenocarcinoma. Frontiers in Endocrinology, 0, 13, .	1.5	8
74	Long non-coding RNAs (lncRNAs); roles in tumorigenesis and potentials as biomarkers in cancer diagnosis. Experimental Cell Research, 2022, 418, 113294.	1.2	38
75	P62/SQSTM1 mediates the autophagy-lysosome degradation of CDK2 protein undergoing PI3K/AKT T308 inhibition. Biochemical and Biophysical Research Communications, 2022, 627, 5-11.	1.0	2
76	Advancement in use of silicon phthalocyanine derivatives for cancer treatment. Dyes and Pigments, 2022, 206, 110608.	2.0	4
77	Microtubule-affinity regulating kinase 4: A potential drug target for cancer therapy. Cellular Signalling, 2022, 99, 110434.	1.7	10
78	Seco-polyprenylated acylphloroglucinols from Hypericum elodeoides induced cell cycle arrest and apoptosis in MCF-7 cells via oxidative DNA damage. Bioorganic Chemistry, 2022, 128, 106088.	2.0	1
79	Anticancer effects of OSW-1 on glioma cells via regulation of the PI3K/AKT signal pathway: A network pharmacology approach and experimental validation in vitro and in vivo. Frontiers in Pharmacology, 0, 13, .	1.6	4

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81	Role of USP13 in physiology and diseases. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	6
82	Design, synthesis and biological evaluation of pteridine-7(8H)-one derivatives as potent and selective CDK4/6 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 76, 128991.	1.0	4
83	Design, synthesis, and biological evaluation of Wee1 kinase degraders. <i>European Journal of Medicinal Chemistry</i> , 2022, 243, 114786.	2.6	3
84	Quantification of cytosolic DNA species by immunofluorescence microscopy and automated image analysis. <i>Methods in Cell Biology</i> , 2022, , 115-134.	0.5	0
85	The Trypanosomatids Cell Cycle: A Brief Report. <i>Methods in Molecular Biology</i> , 2022, , 25-34.	0.4	2
86	New insights into ruthenium(II) metallodendrimers as anticancer drug nanocarriers: from synthesis to preclinic behaviour. <i>Journal of Materials Chemistry B</i> , 2022, 10, 8945-8959.	2.9	6
87	Radiation therapy: An old dog learning new tricks. <i>Methods in Cell Biology</i> , 2022, , xiii-xxiii.	0.5	0
88	Structure of a nucleosome-bound MuvB transcription factor complex reveals DNA remodelling. <i>Nature Communications</i> , 2022, 13, .	5.8	8
89	Repression of essential cell cycle genes increases cellular fitness. <i>PLoS Genetics</i> , 2022, 18, e1010349.	1.5	2
90	The SIRT2 Pathway Is Involved in the Antiproliferative Effect of Flavanones in Human Leukemia Monocytic THP-1 Cells. <i>Biomedicines</i> , 2022, 10, 2383.	1.4	8
91	Comprehensive bioinformatics analysis reveals the prognostic value, predictive value, and immunological roles of ANLN in human cancers. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
92	Evaluation of 3,5-Diphenyl-2-Pyrazolines for Antimitotic Activity by Inhibition of Tubulin Polymerization. <i>Journal of Chemistry</i> , 2022, 2022, 1-11.	0.9	0
94	A targetable MYBL2-ATAD2 axis governs cell proliferation in ovarian cancer. <i>Cancer Gene Therapy</i> , 2023, 30, 192-208.	2.2	4
95	The role of APC/C in cell cycle dynamics, growth and development in cereal crops. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
96	Therapeutic Strategies for Targeting CDKN2A Loss in Melanoma. <i>Journal of Investigative Dermatology</i> , 2023, 143, 18-25.e1.	0.3	6
97	Distinct cell proliferation patterns underlying the development of defensive crests in <i>Daphnia longicephala</i> . <i>Heliyon</i> , 2022, 8, e10513.	1.4	0
98	Integrated Bioinformatics and Experimental Analysis Identified TRIM28 a Potential Prognostic Biomarker and Correlated with Immune Infiltrates in Liver Hepatocellular Carcinoma. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-17.	0.7	3
99	The impact of cancer on the severity of disease in patients affected with COVID-19: an umbrella review and meta-meta-analysis of systematic reviews and meta-analyses involving 1,064,476 participants. <i>Clinical and Experimental Medicine</i> , 0, , .	1.9	2

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100	Quantitative assessment of mitophagy in irradiated cancer cells. <i>Methods in Cell Biology</i> , 2023, , 93-111.	0.5	0
101	Cell Cycle-Related Clinical Applications. <i>Methods in Molecular Biology</i> , 2022, , 35-46.	0.4	5
102	Susceptibility of <i>TNFAIP8</i> , <i>TNFAIP8L1</i> , and <i>TNFAIP2</i> Gene Polymorphisms on Cancer Risk: A Comprehensive Review and Meta-Analysis of Case-Control Studies. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382211231.	0.8	1
103	Synthesis, characterization, antitumor potential, and investigation of mechanism of action of copper(II) complexes with acylpyruvates as ligands: interactions with biomolecules and kinetic study. <i>RSC Advances</i> , 2022, 12, 30501-30513.	1.7	3
104	PTEN Loss Enhances Error-Prone DSB Processing and Tumor Cell Radiosensitivity by Suppressing RAD51 Expression and Homologous Recombination. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12876.	1.8	5
105	AGuIX nanoparticles enhance ionizing radiation-induced ferroptosis on tumor cells by targeting the NRF2-GPX4 signaling pathway. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	18
106	The synthetic lethality of targeting cell cycle checkpoints and PARPs in cancer treatment. <i>Journal of Hematology and Oncology</i> , 2022, 15, .	6.9	20
107	Identify the immune characteristics and immunotherapy value of CD93 in the pan-cancer based on the public data sets. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
108	Design, Synthesis, and Investigation of Cytotoxic Activity of cis-Vinylamide-Linked Combretastatin Analogues as Potential Anticancer Agents. <i>Symmetry</i> , 2022, 14, 2088.	1.1	7
109	Identification of miR-182 and miR-143 target genes involved in the cell cycle as a novel approach in TNBC treatment: A systems biology approach. <i>Chemical Biology and Drug Design</i> , 2023, 101, 662-677.	1.5	3
110	Selector [®] : An Innovative Technology for Quality Control of Living Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 9967.	1.3	3
111	Cytotoxic Mechanism of Momilactones A and B against Acute Promyelocytic Leukemia and Multiple Myeloma Cell Lines. <i>Cancers</i> , 2022, 14, 4848.	1.7	7
112	Targeting E2F Sensitizes Prostate Cancer Cells to Drug-Induced Replication Stress by Promoting Unscheduled CDK1 Activity. <i>Cancers</i> , 2022, 14, 4952.	1.7	1
113	BCAT1 redox function maintains mitotic fidelity. <i>Cell Reports</i> , 2022, 41, 111524.	2.9	7
114	Design, Synthesis, and Preclinical Activity in Ovarian Cancer Models of New Phosphanegold(I)-N-heterocyclic Carbene Complexes. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 14424-14440.	2.9	2
115	Licoricidin combats gastric cancer by targeting the ICMT/Ras pathway in vitro and in vivo. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	6
116	Cell growth and the cell cycle: New insights about persistent questions. <i>BioEssays</i> , 2022, 44, .	1.2	3
117	Porcine Circovirus 2 Activates the PERK-Reactive Oxygen Species Axis To Induce p53 Phosphorylation with Subsequent Cell Cycle Arrest at S Phase in Favor of Its Replication. <i>Journal of Virology</i> , 0, , .	1.5	2

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118	Varying outcomes of triple-negative breast cancer in different age groupsâ€“prognostic value of clinical features and proliferation. <i>Breast Cancer Research and Treatment</i> , 2022, 196, 471-482.	1.1	8
119	Potential role of Marine Bioactive Compounds in cancer signaling pathways: A review. <i>European Journal of Pharmacology</i> , 2022, 936, 175330.	1.7	8
120	Natural products targeting the ATR-CHK1 signaling pathway in cancer therapy. <i>Biomedicine and Pharmacotherapy</i> , 2022, 155, 113797.	2.5	7
121	Prediction of the immunological and prognostic value of five signatures related to fatty acid metabolism in patients with cervical cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	2
122	Lipid-polymer nanocarrier platform enables X-ray induced photodynamic therapy against human colorectal cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 155, 113837.	2.5	6
123	IKBIP, a novel glioblastoma biomarker, maintains abnormal proliferation of tumor cells by inhibiting the ubiquitination and degradation of CDK4. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2023, 1869, 166571.	1.8	3
124	Cell proliferation. , 2024, , 685-699.		0
125	Prostate cancer resistance leads to a global deregulation of translation factors and unconventional translation. <i>NAR Cancer</i> , 2022, 4, .	1.6	2
126	When cell death goes wrong: inflammatory outcomes of failed apoptosis and mitotic cell death. <i>Cell Death and Differentiation</i> , 2023, 30, 293-303.	5.0	15
127	Lymphatic metastasis-associated circRNAâ€™miRNAâ€™mRNA network for exploring the pathogenesis and therapeutic target of triple negative breast cancer based on whole-transcriptome sequencing analysis: an experimental verification study. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	1
128	The roles of lncRNA functions and regulatory mechanisms in the diagnosis and treatment of hepatocellular carcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	4
129	Upgrade of chrysoerythrin A as a novel topoisomerase II inhibitor to curb KRAS-mutant lung adenocarcinoma progression. <i>Pharmacological Research</i> , 2023, 187, 106565.	3.1	3
130	Dysfunction of DNA repair for boosted tumor cell cycle arrest based on NIR-II biodegradable Te-prussian blue nanorod. <i>Chemical Engineering Journal</i> , 2023, 455, 140870.	6.6	0
131	The second half of mitosis and its implications in cancer biology. <i>Seminars in Cancer Biology</i> , 2023, 88, 1-17.	4.3	4
132	Understanding the molecular mechanisms that regulate pancreatic cancer stem cell formation, stemness and chemoresistance: A brief overview. <i>Seminars in Cancer Biology</i> , 2023, 88, 67-80.	4.3	10
133	Coordination of the AMPK, Akt, mTOR, and p53 Pathways under Glucose Starvation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14945.	1.8	2
134	Single-Cell Analysis in Lung Adenocarcinoma Implicates RNA Editing in Cancer Innate Immunity and Patient Prognosis. <i>Cancer Research</i> , 2023, 83, 374-385.	0.4	7
135	DNA Damage Response in Cancer Therapy and Resistance: Challenges and Opportunities. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14672.	1.8	26

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137	Drug Repurposing Applications to Overcome Male Predominance via Targeting G2/M Checkpoint in Human Esophageal Squamous Cell Carcinoma. <i>Cancers</i> , 2022, 14, 5854.	1.7	0
139	CDK inhibitors from past to present: A new wave of cancer therapy. <i>Seminars in Cancer Biology</i> , 2023, 88, 106-122.	4.3	15
140	Prediction of Diagnostic Gene Biomarkers Associated with Immune Infiltration for Basal Cell Carcinoma. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 0, Volume 15, 2657-2673.	0.8	2
141	Expression dynamics of periodic transcripts during cancer cell cycle progression and their correlation with anticancer drug sensitivity. <i>Military Medical Research</i> , 2022, 9, .	1.9	2
142	MARK3 kinase: Regulation and physiologic roles. <i>Cellular Signalling</i> , 2022, , 110578.	1.7	3
143	Exposure to 10µHz Pulsed Magnetic Field Induced Slight Apoptosis and Reactive Oxygen Species in Primary Human Gingival Fibroblasts. <i>Bioelectromagnetics</i> , 2022, 43, 476-490.	0.9	0
144	New Insights Into the Anticancer Effects of <i>isochlorogenic</i> -Coumaric Acid: Focus on Colorectal Cancer. <i>Dose-Response</i> , 2023, 21, 155932582211507.	0.7	10
145	The CDK inhibitor AT7519 inhibits human glioblastoma cell growth by inducing apoptosis, pyroptosis and cell cycle arrest. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	14
146	The first embryo, the origin of cancer and animal phylogeny. I. A presentation of the neoplastic process and its connection with cell fusion and germline formation. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
148	Targeting the DNA damage response for cancer therapy. <i>Biochemical Society Transactions</i> , 2023, 51, 207-221.	1.6	14
149	Glyasperin A from <i>Macaranga indica</i> Presents Promising Capacities Against NTERA-2 Cancer Stem Cells. <i>Revista Brasileira De Farmacognosia</i> , 0, , .	0.6	0
150	CDCA3 is a prognostic biomarker for cutaneous melanoma and is connected with immune infiltration. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
151	Pt phosphor-, oxygen-rich complexes: One pot synthesis, characterization, molecular docking and antiproliferative study. <i>Inorganica Chimica Acta</i> , 2023, 548, 121395.	1.2	4
152	Aa-Z2 triggers ROS-induced apoptosis of osteosarcoma by targeting PDK-1. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	5
153	Chemical screening identifies the anticancer properties of <i>Polyporus parvovarius</i> . <i>Journal of Cancer</i> , 2023, 14, 50-60.	1.2	2
154	Chinese medicine formula "Baipuhuang Keli"™ inhibits triple-negative breast cancer by hindering DNA damage repair via MAPK/ERK pathway. <i>Journal of Ethnopharmacology</i> , 2023, 304, 116077.	2.0	4
155	Fu Fang Gang Liu aqueous extract inhibits the proliferation of HeLa cells by causing deoxyribonucleic acid damage. <i>Journal of Ethnopharmacology</i> , 2023, 304, 116083.	2.0	0
156	Alginate in Cancer Therapy. , 2023, , 267-295.		0

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157	DNA Damage Response Gene Signature as Potential Treatment Markers for Oral Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2673.	1.8	3
158	Anti-cancer drug molecules targeting cancer cell cycle and proliferation. <i>Advances in Protein Chemistry and Structural Biology</i> , 2023, , 343-395.	1.0	4
159	Ampelopsin induces MDA-MB-231 cell cycle arrest through cyclin B1-mediated PI3K/AKT/mTOR pathway <i>in vitro</i> and <i>in vivo</i> . <i>Acta Pharmaceutica</i> , 2023, 73, 75-90.	0.9	1
160	Deciphering the Immunomodulatory Role of Cyclin-Dependent Kinase 4/6 Inhibitors in the Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2236.	1.8	5
161	Classification of Breast Thermal Images into Healthy/Cancer Group Using Pre-Trained Deep Learning Schemes. <i>Procedia Computer Science</i> , 2023, 218, 24-34.	1.2	1
162	CDK regulatorsâ€™Cell cycle progression or apoptosisâ€™Scenarios in normal cells and cancerous cells. <i>Advances in Protein Chemistry and Structural Biology</i> , 2023, , 125-177.	1.0	9
163	Chromodomain on Y-like 2 (CDYL2) implicated in mitosis and genome stability regulation via interaction with CHAMP1 and POGZ. <i>Cellular and Molecular Life Sciences</i> , 2023, 80, .	2.4	0
164	Cancer-educated mammary adipose tissue-derived stromal/stem cells in obesity and breast cancer: spatial regulation and function. <i>Journal of Experimental and Clinical Cancer Research</i> , 2023, 42, .	3.5	9
165	Piperineâ€™Chlorogenic Acid Hybrid Inhibits the Proliferation of the SK-MEL-147 Melanoma Cells by Modulating Mitotic Kinases. <i>Pharmaceuticals</i> , 2023, 16, 145.	1.7	5
167	A Selective Nano Cell Cycle Checkpoint Inhibitor Overcomes Leukemia Chemoresistance. <i>Small</i> , 2023, 19, .	5.2	2
168	Significance of RB Loss in Unlocking Phenotypic Plasticity in Advanced Cancers. <i>Molecular Cancer Research</i> , 2023, 21, 497-510.	1.5	4
169	Single-cell transcriptome reveals cell division-regulated hub genes in the unicellular eukaryote <i>Paramecium</i> . <i>European Journal of Protistology</i> , 2023, 89, 125978.	0.5	0
170	Quercetin modulates signal transductions and targets non-coding RNAs against cancer development. <i>Cellular Signalling</i> , 2023, 107, 110667.	1.7	7
171	Recent advances in electrochemical nanomaterial-based aptasensors for the detection of cancer biomarkers. <i>Talanta</i> , 2023, 259, 124548.	2.9	9
173	A review on regulation of cell cycle by extracellular matrix. <i>International Journal of Biological Macromolecules</i> , 2023, 232, 123426.	3.6	6
176	CDK4/6 Inhibitors in Pancreatobiliary Cancers: Opportunities and Challenges. <i>Cancers</i> , 2023, 15, 968.	1.7	3
177	Distinct protein kinase C isoforms drive the cell cycle re-entry of two separate populations of neonatal rat ventricular cardiomyocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 325, C406-C419.	2.1	2
178	The Role of Silver Nanoparticles in the Diagnosis and Treatment of Cancer: Are There Any Perspectives for the Future?. <i>Life</i> , 2023, 13, 466.	1.1	18

#	ARTICLE	IF	CITATIONS
179	Lithium in Cancer Therapy: Friend or Foe?. <i>Cancers</i> , 2023, 15, 1095.	1.7	5
180	The BRD4 inhibitor JQ1 augments the antitumor efficacy of abemaciclib in preclinical models of gastric carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2023, 42, .	3.5	1
181	Cellular senescence in the response of HR+ breast cancer to radiotherapy and CDK4/6 inhibitors. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	2
182	Evaluation of Possible Neobavaisoflavone Chemosensitizing Properties towards Doxorubicin and Etoposide in SW1783 Anaplastic Astrocytoma Cells. <i>Cells</i> , 2023, 12, 593.	1.8	0
183	Metabolism-related signatures is correlated with poor prognosis and immune infiltration in hepatocellular carcinoma via multi-omics analysis and basic experiments. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	3
185	Design, Synthesis, and Biological Activity of Marinacarboline Analogues as STAT3 Pathway Inhibitors for Docetaxel-Resistant Triple-Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2023, 66, 3106-3133.	2.9	9
186	A functional gene module identification algorithm in gene expression data based on genetic algorithm and gene ontology. <i>BMC Genomics</i> , 2023, 24, .	1.2	1
187	Effect of hybrid compounds of stilbene and pentadienone on inhibition of tubulin polymerization. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2023, 23, .	0.9	0
188	Comparison among Neuroblastoma Stages Suggests the Involvement of Mitochondria in Tumor Progression. <i>Biomedicines</i> , 2023, 11, 596.	1.4	3
190	A specific anti-cyclin D1 intrabody represses breast cancer cell proliferation by interrupting the cyclin D1–CDK4 interaction. <i>Breast Cancer Research and Treatment</i> , 2023, 198, 555-568.	1.1	2
191	A novel inflammasome-related gene nomogram predicts survival in hepatocellular carcinoma. <i>Medicine (United States)</i> , 2023, 102, e33121.	0.4	0
192	Novel CDK Inhibitors in Breast Cancer. , 2023, , 253-267.		0
193	Recent findings on miR–370 expression, regulation and functions in cancer (Review). <i>Oncology Reports</i> , 2023, 49, .	1.2	1
194	E26 transformation-specific transcription variant 5 in development and cancer: modification, regulation and function. <i>Journal of Biomedical Science</i> , 2023, 30, .	2.6	2
195	Bioactive secondary metabolites in sea cucumbers and their potential to use in the functional food industry. <i>Fisheries and Aquatic Sciences</i> , 2023, 26, 69-86.	0.3	3
196	On the assembly of the mitotic spindle, bistability and hysteresis. <i>Cellular and Molecular Life Sciences</i> , 2023, 80, .	2.4	0
197	pH-sensitive ameliorated quercetin delivery using graphene oxide nanocarriers coated with potential anticancer gelatin-polyvinylpyrrolidone nanoemulsion with bitter almond oil. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 82, 104339.	1.4	9
198	Case report: Germline RECQL mutation potentially involved in hereditary predisposition to acute leukemia. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	0

#	ARTICLE	IF	CITATIONS
199	High expression of ABCF1 is an independent predictor of poor prognosis in bladder cancer. <i>BMC Urology</i> , 2023, 23, .	0.6	0
200	Screening of potential hub genes and key pathways associated with breast cancer by bioinformatics tools. <i>Medicine (United States)</i> , 2023, 102, e33291.	0.4	1
201	The Promise of Nanoparticles-Based Radiotherapy in Cancer Treatment. <i>Cancers</i> , 2023, 15, 1892.	1.7	7
202	Genotoxicity and anticancer effects of the aminothiophene derivatives SB-44, SB-83, and SB-200 in cancer cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2023, 23, .	0.9	0
203	Investigation of Hippo pathway-related prognostic lncRNAs and molecular subtypes in liver hepatocellular carcinoma. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
204	Plumbagin Exhibits Genotoxicity and Induces G2/M Cell Cycle Arrest via ROS-Mediated Oxidative Stress and Activation of ATM-p53 Signaling Pathway in Hepatocellular Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6279.	1.8	7
205	An actin filament branching surveillance system regulates cell cycle progression, cytokinesis and primary ciliogenesis. <i>Nature Communications</i> , 2023, 14, .	5.8	4
206	Metallic Nanocluster-Based Sniffing Device for Identification of Malignancy in Gastric Cancer Tissues. <i>ACS Applied Nano Materials</i> , 2023, 6, 5578-5590.	2.4	4
207	Anti-Tumor Effect of Protoscolex Hydatid Cyst Somatic Antigen on Inhibition Cell Growth of K562. <i>Acta Parasitologica</i> , 2023, 68, 385-392.	0.4	12
208	Roles of p53-Mediated Host-Virus Interaction in Coronavirus Infection. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6371.	1.8	4
209	Maackiain inhibits proliferation and promotes apoptosis of nasopharyngeal carcinoma cells by inhibiting the MAPK/Ras signaling pathway. <i>Chinese Journal of Natural Medicines</i> , 2023, 21, 185-196.	0.7	0
210	Transformation of primary murine peritoneal mast cells by constitutive KIT activation is accompanied by loss of Cdkn2a/Arf expression. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	0
211	Cell-Free RNA from Plasma in Patients with Neuroblastoma: Exploring the Technical and Clinical Potential. <i>Cancers</i> , 2023, 15, 2108.	1.7	1
212	Transcriptomic data in tumor-adjacent normal tissues harbor prognostic information on multiple cancer types. <i>Cancer Medicine</i> , 0, , .	1.3	0
213	Metal-based nanomaterials and nanocomposites as promising frontier in cancer chemotherapy. <i>MedComm</i> , 2023, 4, .	3.1	12
214	The Synergistic Effects of Multidrug-Loaded Nanocarriers Improve Tumor Microenvironment Responsive Chemo-Sonodynamic Therapy of Hepatocellular Carcinoma. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	2
215	Anticancer effect of involucrasin A on colorectal cancer cells by modulating the Akt/MDM2/p53 pathway. <i>Oncology Letters</i> , 2023, 25, .	0.8	1
216	An Overview of the Role of MicroRNAs on Carcinogenesis: A Focus on Cell Cycle, Angiogenesis and Metastasis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7268.	1.8	9

#	ARTICLE	IF	CITATIONS
217	Co-Expression of Chromatin Assembly Factor 1 Subunit A and Proliferating Cell Nuclear Antigen Is a Prognostic Biomarker of Esophageal Cancer. <i>Biomedicines</i> , 2023, 11, 1184.	1.4	0
218	Bioactive Pentacyclic Triterpenes Trigger Multiple Signalling Pathways For Selective Apoptosis Leading to Anticancer Efficacy: Recent Updates and Future Perspectives. <i>Current Protein and Peptide Science</i> , 2023, 24, .	0.7	2
219	Integrative computational modeling to unravel novel potential biomarkers in hepatocellular carcinoma. <i>Computers in Biology and Medicine</i> , 2023, 159, 106957.	3.9	2
222	Cell cycle. , 2024, , 667-674.		0
245	DNA repair pathways in breast cancer: from mechanisms to clinical applications. <i>Breast Cancer Research and Treatment</i> , 2023, 200, 305-321.	1.1	2
302	Cyclersâ€™ kinases in cell division: from molecules to cancer therapy. <i>Cell Death and Differentiation</i> , 2023, 30, 2035-2052.	5.0	2
311	Genome maintenance meets mechanobiology. <i>Chromosoma</i> , 2024, 133, 15-36.	1.0	1
313	Exploiting a living biobank to delineate mechanisms underlying disease-specific chromosome instability. <i>Chromosome Research</i> , 2023, 31, .	1.0	1
325	A new wave of innovations within the DNA damage response. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	6
374	Deubiquitinases in cancer. <i>Nature Reviews Cancer</i> , 2023, 23, 842-862.	12.8	5
378	Co-delivery of Anticancer Drugs Using Polymer-Based Nanomedicines for Lung and Prostate Cancer Therapy. , 2023, , 753-797.		0
379	Discovery of small molecule degraders for modulating cell cycle. <i>Frontiers of Medicine</i> , 2023, 17, 823-854.	1.5	0
392	Unlocking the Potential of Brusatol as an Antitumoral Agent: Molecular Mechanisms and Therapeutic Benefits. <i>Revista Brasileira De Farmacognosia</i> , 0, , .	0.6	0
395	Advances in Treatment of Diffuse Midline Gliomas. <i>Current Neurology and Neuroscience Reports</i> , 0, , .	2.0	0
404	Thermoelectrical Characterization of Cells Using a Pyroelectric Sensor. , 2023, , .		0
461	Nanozymes: a new approach for leukemia therapy. <i>Journal of Materials Chemistry B</i> , 2024, 12, 2459-2470.	2.9	0
464	The yin and yang of chromosomal instability in prostate cancer. <i>Nature Reviews Urology</i> , 0, , .	1.9	0
474	Cell Counting Based on Image Processing for the Detection of Cancer Clumps. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
480	Give and Take: The Reciprocal Control of Metabolism and Cell Cycle. <i>Methods in Molecular Biology</i> , 2024, , 155-168.	0.4	0