

# Mitotic progression following DNA damage enables pathologic micronuclei

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Genome jail-break triggers lockdown. <i>Nature</i> , 2017, 550, 340-341.	13.7	10
2	Trial watch: Immunogenic cell death induction by anticancer chemotherapeutics. <i>Oncot Immunology</i> , 2017, 6, e1386829.	2.1	209
3	Topoisomerase 1 Inhibition Promotes Cyclic GMP-AMP Synthase-Dependent Antiviral Responses. <i>MBio</i> , 2017, 8, .	1.8	28
4	cGAS Micro-Manages Genotoxic Stress. <i>Immunity</i> , 2017, 47, 616-617.	6.6	15
5	Nuclear waste ignites cGAS. <i>Nature Reviews Immunology</i> , 2017, 17, 533-533.	10.6	2
6	DNA damage-induced immune response: Micronuclei provide key platform. <i>Journal of Cell Biology</i> , 2017, 216, 2999-3001.	2.3	67
7	cGAS Conducts Micronuclei DNA Surveillance. <i>Trends in Cell Biology</i> , 2017, 27, 697-698.	3.6	48
8	Is inflammatory micronucleation the key to a successful anti-mitotic cancer drug?. <i>Open Biology</i> , 2017, 7, 170182.	1.5	61
9	Cell Biology: When Your Own Chromosomes Act like Foreign DNA. <i>Current Biology</i> , 2017, 27, R1228-R1231.	1.8	13
10	Sensing the Breaks: Cytosolic Chromatin in Senescence and Cancer. <i>Trends in Molecular Medicine</i> , 2017, 23, 1067-1070.	3.5	8
11	TREX1 is a checkpoint for innate immune sensing of DNA damage that fosters cancer immune resistance. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 509-515.	1.1	8
12	How the Genome Folds, Divides, Lives, and Dies. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2017, 82, 349-360.	2.0	1
13	Emerging views of the nucleus as a cellular mechanosensor. <i>Nature Cell Biology</i> , 2018, 20, 373-381.	4.6	415
14	Nuclear envelope rupture: little holes, big openings. <i>Current Opinion in Cell Biology</i> , 2018, 52, 66-72.	2.6	46
15	Perturbing mitosis for anti-cancer therapy: is cell death the only answer?. <i>EMBO Reports</i> , 2018, 19, .	2.0	67
16	DNA damage induces a SAMHD1-mediated block to the infection of macrophages by HIV-1. <i>Scientific Reports</i> , 2018, 8, 4153.	1.6	12
17	Is inflammation a direct response to dsDNA breaks?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2018, 808, 48-52.	0.4	10
18	Cellular Stress Associated with Aneuploidy. <i>Developmental Cell</i> , 2018, 44, 420-431.	3.1	149

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19	STING-Dependent Interferon- $\beta$ 1 Induction in HT29 Cells, a Human Colorectal Cancer Cell Line, After Gamma-Radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 97-106.	0.4	16
20	STAG2 deficiency induces interferon responses via cGAS-STING pathway and restricts virus infection. <i>Nature Communications</i> , 2018, 9, 1485.	5.8	68
21	The cGAS-cGAMP-STING pathway connects DNA damage to inflammation, senescence, and cancer. <i>Journal of Experimental Medicine</i> , 2018, 215, 1287-1299.	4.2	786
22	The Immune Revolution: A Case for Priming, Not Checkpoint. <i>Cancer Cell</i> , 2018, 33, 563-569.	7.7	240
23	Oncolytic Viruses as Antigen-Agnostic Cancer Vaccines. <i>Cancer Cell</i> , 2018, 33, 599-605.	7.7	178
24	Causes and consequences of genomic instability in laminopathies: Replication stress and interferon response. <i>Nucleus</i> , 2018, 9, 289-306.	0.6	42
25	PARP inhibitors and breast cancer: highlights and hang-ups. <i>Expert Review of Precision Medicine and Drug Development</i> , 2018, 3, 83-94.	0.4	4
26	Trial Watch: Immunostimulation with recombinant cytokines for cancer therapy. <i>Oncolimmunology</i> , 2018, 7, e1433982.	2.1	38
27	The mechanism for the radioprotective effects of zymosan-A in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 2413-2421.	1.6	11
28	Chromosomal instability drives metastasis through a cytosolic DNA response. <i>Nature</i> , 2018, 553, 467-472.	13.7	1,002
29	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
30	Emerging biomarkers for the combination of radiotherapy and immune checkpoint blockers. <i>Seminars in Cancer Biology</i> , 2018, 52, 125-134.	4.3	51
31	Self-RNA sentinels signal viral invasion. <i>Nature Immunology</i> , 2018, 19, 4-5.	7.0	4
32	Retuning the Radio in Radiobiology. <i>Journal of the National Cancer Institute</i> , 2018, 110, 325-326.	3.0	0
33	Determinants and clinical implications of chromosomal instability in cancer. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 139-150.	12.5	272
34	Extrinsic Phagocyte-Dependent STING Signaling Dictates the Immunogenicity of Dying Cells. <i>Cancer Cell</i> , 2018, 33, 862-873.e5.	7.7	133
35	cGAS-STING pathway in senescence-related inflammation. <i>National Science Review</i> , 2018, 5, 308-310.	4.6	7
36	Radiation Therapy Combined with Cowpea Mosaic Virus Nanoparticle in Situ Vaccination Initiates Immune-Mediated Tumor Regression. <i>ACS Omega</i> , 2018, 3, 3702-3707.	1.6	68

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37	SnapShot: CGAS-STING Signaling. <i>Cell</i> , 2018, 173, 276-276.e1.	13.5	110
38	Characterizing the Potency and Impact of Carbon Ion Therapy in a Primary Mouse Model of Soft Tissue Sarcoma. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 858-868.	1.9	25
39	Cross Talk between Radiation and Immunotherapy: The Twain Shall Meet. <i>Radiation Research</i> , 2018, 189, 219-224.	0.7	5
40	Combination Cancer Therapy with Immune Checkpoint Blockade: Mechanisms and Strategies. <i>Immunity</i> , 2018, 48, 417-433.	6.6	416
41	Cytosolic sensing of immuno-stimulatory DNA, the enemy within. <i>Current Opinion in Immunology</i> , 2018, 50, 82-87.	2.4	87
42	DNA damage signaling and polyploid macrophages in chronic inflammation. <i>Current Opinion in Immunology</i> , 2018, 50, 55-63.	2.4	18
43	Why we should give spatially fractionated radiation therapy (GRID) a second look” especially in nasopharyngeal carcinoma. <i>Annals of Nasopharynx Cancer</i> , 2018, 1, 1-1.	0.5	2
44	Werner Syndrome Protein and DNA Replication. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3442.	1.8	37
45	Mitochondria, Oxidative Stress and Innate Immunity. <i>Frontiers in Physiology</i> , 2018, 9, 1487.	1.3	225
46	Role of the cGAS”STING pathway in cancer development and oncotherapeutic approaches. <i>EMBO Reports</i> , 2018, 19, .	2.0	115
47	Site occupancy calibration of taxane pharmacology in live cells and tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11406-E11414.	3.3	22
49	Radiotherapy induces responses of lung cancer to CTLA-4 blockade. <i>Nature Medicine</i> , 2018, 24, 1845-1851.	15.2	626
50	Immunomodulation of the Tumor Microenvironment: Turn Foe Into Friend. <i>Frontiers in Immunology</i> , 2018, 9, 2909.	2.2	183
51	PARP Inhibition Elicits STING-Dependent Antitumor Immunity in Brca1-Deficient Ovarian Cancer. <i>Cell Reports</i> , 2018, 25, 2972-2980.e5.	2.9	381
52	Roles for the IKK-Related Kinases TBK1 and IKKÎµ in Cancer. <i>Cells</i> , 2018, 7, 139.	1.8	53
53	<i>Mycobacterium tuberculosis</i> promotes genomic instability in macrophages. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2018, 113, 161-166.	0.8	9
54	Linking cellular stress responses to systemic homeostasis. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 731-745.	16.1	320
55	Checkpoint Inhibition: Will Combination with Radiotherapy and Nanoparticle-Mediated Delivery Improve Efficacy?. <i>Medicines (Basel, Switzerland)</i> , 2018, 5, 114.	0.7	17

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56	Nuclear cGAS suppresses DNA repair and promotes tumorigenesis. <i>Nature</i> , 2018, 563, 131-136.	13.7	412
57	A phase I trial of pembrolizumab with hypofractionated radiotherapy in patients with metastatic solid tumours. <i>British Journal of Cancer</i> , 2018, 119, 1200-1207.	2.9	83
58	The DNA damage response in immunotherapy and radiation. <i>Advances in Radiation Oncology</i> , 2018, 3, 527-533.	0.6	24
59	Two RNase H2 Mutants with Differential rNMP Processing Activity Reveal a Threshold of Ribonucleotide Tolerance for Embryonic Development. <i>Cell Reports</i> , 2018, 25, 1135-1145.e5.	2.9	38
60	Nanoscale extracellular vesicle-derived DNA is superior to circulating cell-free DNA for mutation detection in early-stage non-small-cell lung cancer. <i>Annals of Oncology</i> , 2018, 29, 2379-2383.	0.6	71
61	Combining radiation therapy and cancer immune therapies: From preclinical findings to clinical applications. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2018, 22, 567-580.	0.6	24
62	The Multifaceted Role of Chromosomal Instability in Cancer and Its Microenvironment. <i>Cell</i> , 2018, 174, 1347-1360.	13.5	422
63	Non-canonical Activation of the DNA Sensing Adaptor STING by ATM and IFI16 Mediates NF- $\kappa$ B Signaling after Nuclear DNA Damage. <i>Molecular Cell</i> , 2018, 71, 745-760.e5.	4.5	417
64	Nuclear rupture at sites of high curvature compromises retention of DNA repair factors. <i>Journal of Cell Biology</i> , 2018, 217, 3796-3808.	2.3	134
65	Polyglutamine binding protein 1 (PQBP1) inhibits innate immune responses to cytosolic DNA. <i>Molecular Immunology</i> , 2018, 99, 182-190.	1.0	10
66	The impact of mitotic errors on cell proliferation and tumorigenesis. <i>Genes and Development</i> , 2018, 32, 620-638.	2.7	177
67	Mutational game changer: Chromothripsis and its emerging relevance to cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2018, 777, 29-51.	2.4	48
68	Cytosolic DNA Sensing in Organismal Tumor Control. <i>Cancer Cell</i> , 2018, 34, 361-378.	7.7	191
69	The Integration of Radiotherapy with Immunotherapy for the Treatment of Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 5792-5806.	3.2	200
70	KDM5 histone demethylases repress immune response via suppression of STING. <i>PLoS Biology</i> , 2018, 16, e2006134.	2.6	106
71	Tetraploidy in cancer and its possible link to aging. <i>Cancer Science</i> , 2018, 109, 2632-2640.	1.7	41
72	RNase H2 Loss in Murine Astrocytes Results in Cellular Defects Reminiscent of Nucleic Acid-Mediated Autoinflammation. <i>Frontiers in Immunology</i> , 2018, 9, 587.	2.2	14
73	Immunological Mechanisms Responsible for Radiation-Induced Abscopal Effect. <i>Trends in Immunology</i> , 2018, 39, 644-655.	2.9	312

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74	Structure of the Human cGASâ€“DNA Complex Reveals Enhanced Control of Immune Surveillance. <i>Cell</i> , 2018, 174, 300-311.e11.	13.5	244
75	Radiation-Induced Chromosomal Aberrations and Immunotherapy: Micronuclei, Cytosolic DNA, and Interferon-Production Pathway. <i>Frontiers in Oncology</i> , 2018, 8, 192.	1.3	96
76	Downregulation of cytoplasmic DNases is implicated in cytoplasmic DNA accumulation and SASP in senescent cells. <i>Nature Communications</i> , 2018, 9, 1249.	5.8	215
78	Molecular cytogenetics of the micronucleus: Still surprising. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 836, 36-40.	0.9	35
79	The therapeutic significance of mutational signatures from DNA repair deficiency in cancer. <i>Nature Communications</i> , 2018, 9, 3292.	5.8	153
80	Sigma Receptors as Endoplasmic Reticulum Stress â€œGatekeepersâ€•and their Modulators as Emerging New Weapons in the Fight Against Cancer. <i>Frontiers in Pharmacology</i> , 2018, 9, 711.	1.6	53
81	Cytoplasmic Mechanisms of Recognition and Defense of Microbial Nucleic Acids. <i>Annual Review of Cell and Developmental Biology</i> , 2018, 34, 357-379.	4.0	75
82	Analysis of programmed death-ligand 1 expression in primary normal human dermal fibroblasts after DNA damage. <i>Human Immunology</i> , 2018, 79, 627-631.	1.2	6
83	Elective Nodal Irradiation Attenuates the Combinatorial Efficacy of Stereotactic Radiation Therapy and Immunotherapy. <i>Clinical Cancer Research</i> , 2018, 24, 5058-5071.	3.2	213
84	RAD51AP1 Is an Essential Mediator of Alternative Lengthening of Telomeres. <i>Molecular Cell</i> , 2019, 76, 11-26.e7.	4.5	62
85	DNA sensing by the cGASâ€“STING pathway in health and disease. <i>Nature Reviews Genetics</i> , 2019, 20, 657-674.	7.7	801
86	Evaluation of Deep Learning Strategies for Nucleus Segmentation in Fluorescence Images. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 952-965.	1.1	205
87	BRCA2 abrogation triggers innate immune responses potentiated by treatment with PARP inhibitors. <i>Nature Communications</i> , 2019, 10, 3143.	5.8	141
88	Deciphering the mechanism for induction of senescence-associated secretory phenotype (SASP) and its role in ageing and cancer development. <i>Journal of Biochemistry</i> , 2019, 166, 289-295.	0.9	32
89	The Cytoplasmic DNA Sensor cGAS Promotes Mitotic Cell Death. <i>Cell</i> , 2019, 178, 302-315.e23.	13.5	267
90	Integration of radiotherapy and immunotherapy for treatment of oligometastases. <i>Lancet Oncology</i> , The, 2019, 20, e434-e442.	5.1	98
91	STING pathway agonism as a cancer therapeutic. <i>Immunological Reviews</i> , 2019, 290, 24-38.	2.8	204
92	Combination therapy targeting both innate and adaptive immunity improves survival in a pre-clinical model of ovarian cancer. , 2019, 7, 199.		27

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93	Rescue of DNA damage after constricted migration reveals a mechano-regulated threshold for cell cycle. <i>Journal of Cell Biology</i> , 2019, 218, 2545-2563.	2.3	76
94	Targeting CXCL12/CXCR4 and myeloid cells to improve the therapeutic ratio in patient-derived cervical cancer models treated with radio-chemotherapy. <i>British Journal of Cancer</i> , 2019, 121, 249-256.	2.9	22
95	Self-DNA Sensing in Lung Inflammatory Diseases. <i>Trends in Immunology</i> , 2019, 40, 719-734.	2.9	54
96	Inflammatory signaling in genomically instable cancers. <i>Cell Cycle</i> , 2019, 18, 1830-1848.	1.3	21
97	Transcriptional regulation of human cyclic GMP-AMP synthase gene. <i>Cellular Signalling</i> , 2019, 62, 109355.	1.7	9
98	The macrophage checkpoint CD47 : SIRP $\beta$ for recognition of $\alpha$ -self $\beta$ ™ cells: from clinical trials of blocking antibodies to mechanobiological fundamentals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180217.	1.8	32
100	Genomic instability and innate immune responses to self-DNA in progeria. <i>GeroScience</i> , 2019, 41, 255-266.	2.1	24
101	Filament-like Assemblies of Intracellular Nucleic Acid Sensors: Commonalities and Differences. <i>Molecular Cell</i> , 2019, 76, 243-254.	4.5	18
102	Screening for new macrophage therapeutics. <i>Theranostics</i> , 2019, 9, 7714-7729.	4.6	26
103	AZD7648 is a potent and selective DNA-PK inhibitor that enhances radiation, chemotherapy and olaparib activity. <i>Nature Communications</i> , 2019, 10, 5065.	5.8	195
104	Cullin Ring Ubiquitin Ligases (CRLs) in Cancer: Responses to Ionizing Radiation (IR) Treatment. <i>Frontiers in Physiology</i> , 2019, 10, 1144.	1.3	42
105	PROPERTIES AND FUNCTIONS OF THE NOVEL TYPE I INTERFERON EPSILON. <i>Seminars in Immunology</i> , 2019, 43, 101328.	2.7	26
106	Cancer-Cell-Intrinsic cGAS Expression Mediates Tumor Immunogenicity. <i>Cell Reports</i> , 2019, 29, 1236-1248.e7.	2.9	187
108	The cGAS Paradox: Contrasting Roles for cGAS-STING Pathway in Chromosomal Instability. <i>Cells</i> , 2019, 8, 1228.	1.8	34
109	BRCA2 deficiency instigates cGAS-mediated inflammatory signaling and confers sensitivity to tumor necrosis factor-alpha-mediated cytotoxicity. <i>Nature Communications</i> , 2019, 10, 100.	5.8	91
110	Regulation of programmed death-ligand 1 expression in response to $\gamma$ -DNA damage in cancer cells: Implications for precision medicine. <i>Cancer Science</i> , 2019, 110, 3415-3423.	1.7	42
111	Phagocytosis checkpoints as new targets for cancer immunotherapy. <i>Nature Reviews Cancer</i> , 2019, 19, 568-586.	12.8	557
112	How Cells Handle DNA Breaks during Mitosis: Detection, Signaling, Repair, and Fate Choice. <i>Cells</i> , 2019, 8, 1049.	1.8	13

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113	Unstable genomes promote inflammation. <i>Nature</i> , 2019, 567, 41-42.	13.7	1
114	Nonhomologous End Joining Is More Important Than Proton Linear Energy Transfer in Dictating Cell Death. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 1119-1125.	0.4	22
115	RIG-I activation is critical for responsiveness to checkpoint blockade. <i>Science Immunology</i> , 2019, 4, .	5.6	80
116	Comet and micronucleus assays for analyzing DNA damage and genome integrity. <i>Methods in Enzymology</i> , 2019, 625, 299-307.	0.4	11
117	Suppression of tumor antigen presentation during aneuploid tumor evolution contributes to immune evasion. <i>OncImmunology</i> , 2019, 8, 1657374.	2.1	36
118	Radiotherapy and Immunotherapy Promote Tumoral Lipid Oxidation and Ferroptosis via Synergistic Repression of SLC7A11. <i>Cancer Discovery</i> , 2019, 9, 1673-1685.	7.7	566
119	&lt;p&gt;Durable Response After Combination Of Concurrent Chemoradiotherapy And Anti-PD-1 Therapy In HER2-Negative Advanced Gastric Adenocarcinoma: A Case Report&lt;/p&gt;. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 7691-7698.	1.0	5
120	Combination Treatment of the Oral CHK1 Inhibitor, SRA737, and Low-Dose Gemcitabine Enhances the Effect of Programmed Death Ligand 1 Blockade by Modulating the Immune Microenvironment in SCLC. <i>Journal of Thoracic Oncology</i> , 2019, 14, 2152-2163.	0.5	80
121	Life or Death after a Break: What Determines the Choice?. <i>Molecular Cell</i> , 2019, 76, 346-358.	4.5	66
122	Co-Operation between Aneuploidy and Metabolic Changes in Driving Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4611.	1.8	17
123	Autophagic cell death restricts chromosomal instability during replicative crisis. <i>Nature</i> , 2019, 565, 659-663.	13.7	297
124	Interferons $\hat{1}$ and $\hat{2}$ in cancer: therapeutic opportunities from new insights. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 219-234.	21.5	258
125	Cytosolic DNA sensing immune response and viral infection. <i>Microbiology and Immunology</i> , 2019, 63, 51-64.	0.7	58
126	Radiation therapy to enhance tumor immunotherapy: a novel application for an established modality. <i>International Journal of Radiation Biology</i> , 2019, 95, 936-939.	1.0	57
127	cGAS-independent STING activation in response to DNA damage. <i>Molecular and Cellular Oncology</i> , 2019, 6, 1558682.	0.3	18
128	Exposureâ€“lagâ€“response associations between lung cancer mortality and radon exposure in German uranium miners. <i>Radiation and Environmental Biophysics</i> , 2019, 58, 321-336.	0.6	4
129	Radiation therapy and anti-tumor immunity: exposing immunogenic mutations to the immune system. <i>Genome Medicine</i> , 2019, 11, 40.	3.6	179
130	DNA Repair Deficiency in Breast Cancer: Opportunities for Immunotherapy. <i>Journal of Oncology</i> , 2019, 1-14.	0.6	18



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131	Type I interferon signaling, regulation and gene stimulation in chronic virus infection. <i>Seminars in Immunology</i> , 2019, 43, 101277.	2.7	62
132	Constricted migration modulates stem cell differentiation. <i>Molecular Biology of the Cell</i> , 2019, 30, 1985-1999.	0.9	23
133	Type I interferons in host defence and inflammatory diseases. <i>Lupus Science and Medicine</i> , 2019, 6, e000336.	1.1	91
134	SLC19A1 Is an Importer of the Immunotransmitter cGAMP. <i>Molecular Cell</i> , 2019, 75, 372-381.e5.	4.5	217
135	The cGAS-cGAMP-STING Pathway: A Molecular Link Between Immunity and Metabolism. <i>Diabetes</i> , 2019, 68, 1099-1108.	0.3	145
136	Development of human cGAS-specific small-molecule inhibitors for repression of dsDNA-triggered interferon expression. <i>Nature Communications</i> , 2019, 10, 2261.	5.8	134
137	Discovery and Mechanistic Study of a Novel Human-Stimulator-of-Interferon-Genes Agonist. <i>ACS Infectious Diseases</i> , 2019, 5, 1139-1149.	1.8	50
138	Chromosomal instability and pro-inflammatory response in aging. <i>Mechanisms of Ageing and Development</i> , 2019, 182, 111118.	2.2	19
139	Micronuclei and Genome Chaos: Changing the System Inheritance. <i>Genes</i> , 2019, 10, 366.	1.0	85
140	Inhibition of ATM Increases Interferon Signaling and Sensitizes Pancreatic Cancer to Immune Checkpoint Blockade Therapy. <i>Cancer Research</i> , 2019, 79, 3940-3951.	0.4	154
141	PARP Inhibitor Efficacy Depends on CD8+ T-cell Recruitment via Intratumoral STING Pathway Activation in BRCA-Deficient Models of Triple-Negative Breast Cancer. <i>Cancer Discovery</i> , 2019, 9, 722-737.	7.7	433
142	Scaling laws indicate distinct nucleation mechanisms of holes in the nuclear lamina. <i>Nature Physics</i> , 2019, 15, 823-829.	6.5	21
143	ADP-ribosyltransferase PARP11 modulates the interferon antiviral response by mono-ADP-ribosylating the ubiquitin E3 ligase I <sup>2</sup> -TrCP. <i>Nature Microbiology</i> , 2019, 4, 1872-1884.	5.9	65
144	ESCRT-III is necessary for the integrity of the nuclear envelope in micronuclei but is aberrant at ruptured micronuclear envelopes generating damage. <i>Oncogenesis</i> , 2019, 8, 29.	2.1	57
145	Beyond DNA repair: the novel immunological potential of PARP inhibitors. <i>Molecular and Cellular Oncology</i> , 2019, 6, 1-4.	0.3	18
146	Modulating inflammation for cancer therapy. <i>Journal of Experimental Medicine</i> , 2019, 216, 1234-1243.	4.2	108
147	Fueling Type I Interferonopathies: Regulation and Function of Type I Interferon Antiviral Responses. <i>Journal of Interferon and Cytokine Research</i> , 2019, 39, 383-392.	0.5	18
148	Innate immunity in allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1660-1674.	2.7	44

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149	Novel Approaches to Improve the Efficacy of Immuno-Radiotherapy. <i>Frontiers in Oncology</i> , 2019, 9, 156.	1.3	119
150	Roles of the cGAS-STING Pathway in Cancer Immunosurveillance and Immunotherapy. <i>Annual Review of Cancer Biology</i> , 2019, 3, 323-344.	2.3	69
151	Critical questions in ovarian cancer research and treatment: Report of an American Association for Cancer Research Special Conference. <i>Cancer</i> , 2019, 125, 1963-1972.	2.0	39
152	cGAS in action: Expanding roles in immunity and inflammation. <i>Science</i> , 2019, 363, .	6.0	602
153	Risk of lung adenocarcinoma from smoking and radiation arises in distinct molecular pathways. <i>Carcinogenesis</i> , 2019, 40, 1240-1250.	1.3	19
154	Expanding the Role of STING in Cellular Homeostasis and Transformation. <i>Trends in Cancer</i> , 2019, 5, 195-197.	3.8	14
155	Exploiting DNA Replication Stress for Cancer Treatment. <i>Cancer Research</i> , 2019, 79, 1730-1739.	0.4	154
156	Unexpected Synergy Reveals New Therapeutic Strategy in SCLC. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 295-297.	4.0	17
157	Genome instability consequences of RNase H2 Aicardi-Goutières syndrome alleles. <i>DNA Repair</i> , 2019, 84, 102614.	1.3	7
158	Cell-free chromatin: A newly described mediator of systemic inflammation. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	6
159	Bloom syndrome protein restrains innate immune sensing of micronuclei by cGAS. <i>Journal of Experimental Medicine</i> , 2019, 216, 1199-1213.	4.2	75
160	Activating cGAS-STING pathway for the optimal effect of cancer immunotherapy. <i>Journal of Hematology and Oncology</i> , 2019, 12, 35.	6.9	220
161	Approaches towards Longevity: Reprogramming, Senolysis, and Improved Mitotic Competence as Anti-Aging Therapies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 938.	1.8	17
162	Nuclear mechanics during and after constricted migration. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 299-308.	1.5	20
163	C/EBP $\beta$ suppresses keratinocyte autonomous type 1 IFN response and p53 to increase cell survival and susceptibility to UVB-induced skin cancer. <i>Carcinogenesis</i> , 2019, 40, 1099-1109.	1.3	2
164	ATR Inhibition Potentiates the Radiation-induced Inflammatory Tumor Microenvironment. <i>Clinical Cancer Research</i> , 2019, 25, 3392-3403.	3.2	144
165	Current advances of tubulin inhibitors as dual acting small molecules for cancer therapy. <i>Medicinal Research Reviews</i> , 2019, 39, 1398-1426.	5.0	98
166	Consequences of Genomic Diversification Induced by Segregation Errors. <i>Trends in Genetics</i> , 2019, 35, 279-291.	2.9	27

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167	The N-Terminal Domain of cGAS Determines Preferential Association with Centromeric DNA and Innate Immune Activation in the Nucleus. <i>Cell Reports</i> , 2019, 26, 2377-2393.e13.	2.9	166
168	Phosphoinositide Interactions Position cGAS at the Plasma Membrane to Ensure Efficient Distinction between Self- and Viral DNA. <i>Cell</i> , 2019, 176, 1432-1446.e11.	13.5	171
169	Anti-apoptotic Mutations Desensitize Human Pluripotent Stem Cells to Mitotic Stress and Enable Aneuploid Cell Survival. <i>Stem Cell Reports</i> , 2019, 12, 557-571.	2.3	39
170	Mechanistic link between DNA damage sensing, repairing and signaling factors and immune signaling. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 115, 297-324.	1.0	21
171	Replication stress: Driver and therapeutic target in genomically unstable cancers. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 115, 157-201.	1.0	15
172	Niraparib activates interferon signaling and potentiates anti-PD-1 antibody efficacy in tumor models. <i>Scientific Reports</i> , 2019, 9, 1853.	1.6	167
173	Chromatin-bound cGAS is an inhibitor of DNA repair and hence accelerates genome destabilization and cell death. <i>EMBO Journal</i> , 2019, 38, e102718.	3.5	173
174	Mechanisms of nuclear content loading to exosomes. <i>Science Advances</i> , 2019, 5, eaax8849.	4.7	176
175	Immunotherapy and Radiation. <i>Hematology/Oncology Clinics of North America</i> , 2019, 33, 1057-1069.	0.9	2
176	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2019, 629, xxi-xl.	0.4	1
177	Abscopal effect in lung cancer: three case reports and a concise review. <i>Immunotherapy</i> , 2019, 11, 1445-1461.	1.0	37
178	Harnessing innate immunity in cancer therapy. <i>Nature</i> , 2019, 574, 45-56.	13.7	533
179	DNA damage and genome instability by G-quadruplex ligands are mediated by R loops in human cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 816-825.	3.3	217
180	Tumor-derived IFN triggers chronic pathway agonism and sensitivity to ADAR loss. <i>Nature Medicine</i> , 2019, 25, 95-102.	15.2	240
181	The diverse consequences of aneuploidy. <i>Nature Cell Biology</i> , 2019, 21, 54-62.	4.6	140
182	Ovarian Cancer Cells Commonly Exhibit Defective STING Signaling Which Affects Sensitivity to Viral Oncolysis. <i>Molecular Cancer Research</i> , 2019, 17, 974-986.	1.5	95
183	Approaches to treat immune hot, altered and cold tumours with combination immunotherapies. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 197-218.	21.5	2,005
184	Negative Regulation of Cytosolic Sensing of DNA. <i>International Review of Cell and Molecular Biology</i> , 2019, 344, 91-115.	1.6	18

#	ARTICLE	IF	CITATIONS
185	The molecular origins and pathophysiological consequences of micronuclei: New insights into an age-old problem. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 779, 1-35.	2.4	86
186	PARPi Triggers the STING-Dependent Immune Response and Enhances the Therapeutic Efficacy of Immune Checkpoint Blockade Independent of BRCAness. <i>Cancer Research</i> , 2019, 79, 311-319.	0.4	404
187	STING Promotes Homeostasis via Regulation of Cell Proliferation and Chromosomal Stability. <i>Cancer Research</i> , 2019, 79, 1465-1479.	0.4	64
188	Oligoadenylate-Synthetase-Family Protein OASL Inhibits Activity of the DNA Sensor cGAS during DNA Virus Infection to Limit Interferon Production. <i>Immunity</i> , 2019, 50, 51-63.e5.	6.6	74
189	The immunological consequences of radiation-induced DNA damage. <i>Journal of Pathology</i> , 2019, 247, 606-614.	2.1	37
190	PILAR1, a novel prognostic lncRNA, reveals the presence of a unique subtype of lung adenocarcinoma patients with KEAP1 mutations. <i>Gene</i> , 2019, 691, 167-175.	1.0	6
191	DNA-stimulated cell death: implications for host defence, inflammatory diseases and cancer. <i>Nature Reviews Immunology</i> , 2019, 19, 141-153.	10.6	123
192	Activating the Nucleic Acid-Sensing Machinery for Anticancer Immunity. <i>International Review of Cell and Molecular Biology</i> , 2019, 344, 173-214.	1.6	31
194	Cytokinesis defects and cancer. <i>Nature Reviews Cancer</i> , 2019, 19, 32-45.	12.8	176
195	G3BP1 promotes DNA binding and activation of cGAS. <i>Nature Immunology</i> , 2019, 20, 18-28.	7.0	186
196	SAMHD1 and the innate immune response to cytosolic DNA during DNA replication. <i>Current Opinion in Immunology</i> , 2019, 56, 24-30.	2.4	47
197	Innate immunosensing of DNA in cellular senescence. <i>Current Opinion in Immunology</i> , 2019, 56, 31-36.	2.4	49
198	The Role of Nucleic Acid Sensing in Controlling Microbial and Autoimmune Disorders. <i>International Review of Cell and Molecular Biology</i> , 2019, 345, 35-136.	1.6	26
199	Context is everything: aneuploidy in cancer. <i>Nature Reviews Genetics</i> , 2020, 21, 44-62.	7.7	407
200	DAMP-sensing receptors in sterile inflammation and inflammatory diseases. <i>Nature Reviews Immunology</i> , 2020, 20, 95-112.	10.6	920
201	Harnessing radiation to improve immunotherapy: better with particles?. <i>British Journal of Radiology</i> , 2020, 93, 20190224.	1.0	53
202	Cell-Cycle Cross Talk with Caspases and Their Substrates. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a036475.	2.3	17
203	The relative biological effectiveness of proton irradiation in dependence of DNA damage repair. <i>British Journal of Radiology</i> , 2020, 93, 20190494.	1.0	10

#	ARTICLE	IF	CITATIONS
204	Radiotherapy as a Backbone for Novel Concepts in Cancer Immunotherapy. <i>Cancers</i> , 2020, 12, 79.	1.7	29
205	Immunogenic cell death by neoadjuvant oxaliplatin and radiation protects against metastatic failure in high-risk rectal cancer. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 355-364.	2.0	35
206	Overcoming Radioresistance in Tumor Therapy by Alleviating Hypoxia and Using the HIF-1 Inhibitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4231-4240.	4.0	48
207	Intramolecular photoinitiator induced atom transfer radical polymerization for electrochemical DNA detection. <i>Analyst, The</i> , 2020, 145, 858-864.	1.7	7
208	CDK7 Inhibition Potentiates Genome Instability Triggering Anti-tumor Immunity in Small Cell Lung Cancer. <i>Cancer Cell</i> , 2020, 37, 37-54.e9.	7.7	138
209	Immunological impact of cell death signaling driven by radiation on the tumor microenvironment. <i>Nature Immunology</i> , 2020, 21, 120-134.	7.0	218
210	Establishing mechanisms affecting the individual response to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2020, 96, 297-323.	1.0	34
211	Targeting innate sensing in the tumor microenvironment to improve immunotherapy. <i>Cellular and Molecular Immunology</i> , 2020, 17, 13-26.	4.8	76
212	The Cytosolic DNA-Sensing cGAS-“STING Pathway in Cancer. <i>Cancer Discovery</i> , 2020, 10, 26-39.	7.7	558
213	Calcitriol Prevents RAD51 Loss and cGAS-“STING-“FN Response Triggered by Progerin. <i>Proteomics</i> , 2020, 20, e1800406.	1.3	15
214	Regulation of cGAS- and RLR-mediated immunity to nucleic acids. <i>Nature Immunology</i> , 2020, 21, 17-29.	7.0	219
215	Innate Immune Response to Cytoplasmic DNA: Mechanisms and Diseases. <i>Annual Review of Immunology</i> , 2020, 38, 79-98.	9.5	88
216	Inhibition of Haspin Kinase Promotes Cell-Intrinsic and Extrinsic Antitumor Activity. <i>Cancer Research</i> , 2020, 80, 798-810.	0.4	22
217	An Emerging Regulatory Role for the Tumor Microenvironment in the DNA Damage Response to Double-Strand Breaks. <i>Molecular Cancer Research</i> , 2020, 18, 185-193.	1.5	28
218	DNA Damage Response and Oxidative Stress in Systemic Autoimmunity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 55.	1.8	68
219	Canadian Cannabis Consumption and Patterns of Congenital Anomalies: An Ecological Geospatial Analysis. <i>Journal of Addiction Medicine</i> , 2020, 14, e195-e210.	1.4	50
220	Research on feedback Cognitive Method of Insulator Self-blast State Based on Multi-scale Convolutional Network. , 2020, , .		0
221	ATR inhibition potentiates ionizing radiation-“induced interferon response via cytosolic nucleic acid-“sensing pathways. <i>EMBO Journal</i> , 2020, 39, e104036.	3.5	87

#	ARTICLE	IF	CITATIONS
222	Structural basis for nucleosome-mediated inhibition of cGAS activity. <i>Cell Research</i> , 2020, 30, 1088-1097.	5.7	75
223	cGAS/STING: novel perspectives of the classic pathway. <i>Molecular Biomedicine</i> , 2020, 1, 7.	1.7	15
224	GM-CSF and IL-33 Orchestrate Polynucleation and Polyploidy of Resident Murine Alveolar Macrophages in a Murine Model of Allergic Asthma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7487.	1.8	3
225	Fight to the bitter end: DNA repair and aging. <i>Ageing Research Reviews</i> , 2020, 64, 101154.	5.0	32
226	Streptavidin Promotes DNA Binding and Activation of cGAS to Enhance Innate Immunity. <i>IScience</i> , 2020, 23, 101463.	1.9	19
227	DNA Damage and Cancer Immunotherapy: A STING in the Tale. <i>Molecular Cell</i> , 2020, 80, 21-28.	4.5	161
228	Repeat expansions confer WRN dependence in microsatellite-unstable cancers. <i>Nature</i> , 2020, 586, 292-298.	13.7	95
229	Targeting the PI3K/mTOR Pathway Augments CHK1 Inhibitor-Induced Replication Stress and Antitumor Activity in High-Grade Serous Ovarian Cancer. <i>Cancer Research</i> , 2020, 80, 5380-5392.	0.4	13
230	Tumor Microenvironment as a Regulator of Radiation Therapy: New Insights into Stromal-Mediated Radioresistance. <i>Cancers</i> , 2020, 12, 2916.	1.7	63
231	Cell Cycle Checkpoints Cooperate to Suppress DNA- and RNA-Associated Molecular Pattern Recognition and Anti-Tumor Immune Responses. <i>Cell Reports</i> , 2020, 32, 108080.	2.9	59
232	Challenges and Opportunities in the Clinical Development of STING Agonists for Cancer Immunotherapy. <i>Journal of Clinical Medicine</i> , 2020, 9, 3323.	1.0	131
233	Apoptotic mitochondria prime anti-tumour immunity. <i>Cell Death Discovery</i> , 2020, 6, 98.	2.0	10
234	CSC Radioresistance: A Therapeutic Challenge to Improve Radiotherapy Effectiveness in Cancer. <i>Cells</i> , 2020, 9, 1651.	1.8	107
235	Immune Sensing Mechanisms that Discriminate Self from Altered Self and Foreign Nucleic Acids. <i>Immunity</i> , 2020, 53, 54-77.	6.6	115
236	Understanding the birth of rupture-prone and irreparable micronuclei. <i>Chromosoma</i> , 2020, 129, 181-200.	1.0	18
237	DNA Damage Response and Metabolic Reprogramming in Health and Disease. <i>Trends in Genetics</i> , 2020, 36, 777-791.	2.9	26
238	A liposomal RNA vaccine inducing neoantigen-specific CD4 <sup>+</sup> T cells augments the antitumor activity of local radiotherapy in mice. <i>Oncolmmunology</i> , 2020, 9, 1771925.	2.1	32
239	Trial watch: STING agonists in cancer therapy. <i>Oncolmmunology</i> , 2020, 9, 1777624.	2.1	148

#	ARTICLE	IF	CITATIONS
240	Targeting nuclear acid-mediated immunity in cancer immune checkpoint inhibitor therapies. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 270.	7.1	18
241	Small but mighty: the causes and consequences of micronucleus rupture. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1777-1786.	3.2	70
242	Molecular and spatial mechanisms governing STING signalling. <i>FEBS Journal</i> , 2021, 288, 5504-5529.	2.2	27
243	cGAS-mediated induction of type I interferon due to inborn errors of histone pre-mRNA processing. <i>Nature Genetics</i> , 2020, 52, 1364-1372.	9.4	105
244	The Impact of Radiation-Induced DNA Damage on cGAS-STING-Mediated Immune Responses to Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8877.	1.8	103
245	The cGAS-STING Pathway in Hematopoiesis and Its Physiopathological Significance. <i>Frontiers in Immunology</i> , 2020, 11, 573915.	2.2	17
246	Development of small molecule inhibitors/agonists targeting STING for disease. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110945.	2.5	20
247	Current Progresses and Challenges of Immunotherapy in Triple-Negative Breast Cancer. <i>Cancers</i> , 2020, 12, 3529.	1.7	60
248	Photochemotherapy Induces Interferon Type III Expression via STING Pathway. <i>Cells</i> , 2020, 9, 2452.	1.8	0
249	PARP inhibitors for small cell lung cancer and their potential for integration into current treatment approaches. <i>Journal of Thoracic Disease</i> , 2020, 12, 6240-6252.	0.6	26
250	Telomere lengths in women treated for breast cancer show associations with chemotherapy, pain symptoms, and cognitive domain measures: a longitudinal study. <i>Breast Cancer Research</i> , 2020, 22, 137.	2.2	21
251	LRRC8A:C/E Heteromeric Channels Are Ubiquitous Transporters of cGAMP. <i>Molecular Cell</i> , 2020, 80, 578-591.e5.	4.5	96
252	Tousled-Like Kinases Suppress Innate Immune Signaling Triggered by Alternative Lengthening of Telomeres. <i>Cell Reports</i> , 2020, 32, 107983.	2.9	23
253	A Switch in p53 Dynamics Marks Cells That Escape from DSB-Induced Cell Cycle Arrest. <i>Cell Reports</i> , 2020, 32, 107995.	2.9	39
254	Nuclear Membrane Rupture and Its Consequences. <i>Annual Review of Cell and Developmental Biology</i> , 2020, 36, 85-114.	4.0	83
255	Senescence and Host-Pathogen Interactions. <i>Cells</i> , 2020, 9, 1747.	1.8	28
256	Bioactive DNA from extracellular vesicles and particles. <i>Cell Death and Disease</i> , 2020, 11, 584.	2.7	125
257	Structure-Aided Development of Small-Molecule Inhibitors of ENPP1, the Extracellular Phosphodiesterase of the Immunotransmitter cGAMP. <i>Cell Chemical Biology</i> , 2020, 27, 1347-1358.e5.	2.5	60

#	ARTICLE	IF	CITATIONS
258	Mitochondrial DNA drives abscopal responses to radiation that are inhibited by autophagy. <i>Nature Immunology</i> , 2020, 21, 1160-1171.	7.0	214
259	AIM2 in health and disease: Inflammasome and beyond. <i>Immunological Reviews</i> , 2020, 297, 83-95.	2.8	107
260	Intracellular signaling modules linking DNA damage to secretome changes in senescent melanoma cells. <i>Melanoma Research</i> , 2020, 30, 336-347.	0.6	6
261	&lt;p&gt;Research Progress and Existing Problems for Abscopal Effect&lt;/p&gt;. <i>Cancer Management and Research</i> , 2020, Volume 12, 6695-6706.	0.9	8
262	DNA double-strand break end resection: a critical relay point for determining the pathway of repair and signaling. <i>Genome Instability &amp; Disease</i> , 2020, 1, 155-171.	0.5	18
263	Molecular and Structural Basis of DNA Sensors in Antiviral Innate Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 613039.	2.2	54
264	A novel co-culture assay to assess anti-tumor CD8+ T cell cytotoxicity via luminescence and multicolor flow cytometry. <i>Journal of Immunological Methods</i> , 2020, 487, 112899.	0.6	23
265	DNA Repair and Signaling in Immune-Related Cancer Therapy. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 205.	1.6	20
266	Time for remodeling: SNF2-family DNA translocases in replication fork metabolism and human disease. <i>DNA Repair</i> , 2020, 95, 102943.	1.3	25
267	Carbon Ion Radiobiology. <i>Cancers</i> , 2020, 12, 3022.	1.7	104
268	Cellular uptake of extracellular nucleosomes induces innate immune responses by binding and activating cGMP-AMP synthase (cGAS). <i>Scientific Reports</i> , 2020, 10, 15385.	1.6	16
269	The myeloid type I interferon response to myocardial infarction begins in bone marrow and is regulated by Nrf2-activated macrophages. <i>Science Immunology</i> , 2020, 5, .	5.6	43
270	Challenges for immunotherapy for the treatment of platinum resistant ovarian cancer. <i>Seminars in Cancer Biology</i> , 2021, 77, 127-143.	4.3	59
271	Mitochondrial control of innate immune signaling by irradiated cancer cells. <i>OncolImmunology</i> , 2020, 9, 1797292.	2.1	23
272	Comprehensive elaboration of the cGAS-STING signaling axis in cancer development and immunotherapy. <i>Molecular Cancer</i> , 2020, 19, 133.	7.9	112
273	Exploiting aneuploidy-imposed stresses and coping mechanisms to battle cancer. <i>Open Biology</i> , 2020, 10, 200148.	1.5	14
274	Induction of Micronuclei in Cervical Cancer Treated with Radiotherapy. <i>Journal of Personalized Medicine</i> , 2020, 10, 110.	1.1	6
276	Cytoreduction and the Optimization Of Immune Checkpoint Inhibition with Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 17-26.	0.4	18



#	ARTICLE	IF	CITATIONS
277	Antitumor activity of a systemic STING-activating non-nucleotide cGAMP mimetic. <i>Science</i> , 2020, 369, 993-999.	6.0	259
278	Future of Radiation and Immunotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 3-5.	0.4	21
279	Immune Checkpoint Inhibitors in pMMR Metastatic Colorectal Cancer: A Tough Challenge. <i>Cancers</i> , 2020, 12, 2317.	1.7	37
280	Micronuclei, inflammation and auto-immune disease. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 786, 108335.	2.4	33
281	Single cell analysis reveals distinct immune landscapes in transplant and primary sarcomas that determine response or resistance to immunotherapy. <i>Nature Communications</i> , 2020, 11, 6410.	5.8	66
282	Therapeutic strategies to remodel immunologically cold tumors. <i>Clinical and Translational Immunology</i> , 2020, 9, e1226.	1.7	23
283	Immunomodulatory Effects of Radiotherapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8151.	1.8	34
284	Structural basis for sequestration and autoinhibition of cGAS by chromatin. <i>Nature</i> , 2020, 587, 678-682.	13.7	146
285	Deficiency of STING Signaling in Embryonic Cerebral Cortex Leads to Neurogenic Abnormalities and Autistic-Like Behaviors. <i>Advanced Science</i> , 2020, 7, 2002117.	5.6	17
286	The Impact of Radiation Therapy on Innate and Adaptive Tumor Immunity. <i>Seminars in Radiation Oncology</i> , 2020, 30, 139-144.	1.0	32
287	Type I Interferon Response in Radiation-Induced Anti-Tumor Immunity. <i>Seminars in Radiation Oncology</i> , 2020, 30, 129-138.	1.0	27
288	Molecular mechanisms and cellular functions of cGAS-STING signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 501-521.	16.1	846
289	Optimizing Radiation Therapy to Boost Systemic Immune Responses in Breast Cancer: A Critical Review for Breast Radiation Oncologists. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 227-241.	0.4	24
290	N-Acetyltransferase 10 Promotes Micronuclei Formation to Activate the Senescence-Associated Secretory Phenotype Machinery in Colorectal Cancer Cells. <i>Translational Oncology</i> , 2020, 13, 100783.	1.7	28
291	New aspects of hepatic endothelial cells in physiology and nonalcoholic fatty liver disease. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1200-C1213.	2.1	27
293	Dephosphorylation of cGAS by PPP6C impairs its substrate binding activity and innate antiviral response. <i>Protein and Cell</i> , 2020, 11, 584-599.	4.8	25
294	Exploiting immune-dependent effects of microtubule-targeting agents to improve efficacy and tolerability of cancer treatment. <i>Cell Death and Disease</i> , 2020, 11, 361.	2.7	30
295	Using Preclinical Data to Design Combination Clinical Trials of Radiation Therapy and Immunotherapy. <i>Seminars in Radiation Oncology</i> , 2020, 30, 158-172.	1.0	10

#	ARTICLE	IF	CITATIONS
296	Combining Radiation with Immunotherapy: The University of Pennsylvania Experience. <i>Seminars in Radiation Oncology</i> , 2020, 30, 173-180.	1.0	6
297	The early local and systemic Type I interferon responses to ultraviolet B light exposure are cGAS dependent. <i>Scientific Reports</i> , 2020, 10, 7908.	1.6	53
298	USP29 maintains the stability of cGAS and promotes cellular antiviral responses and autoimmunity. <i>Cell Research</i> , 2020, 30, 914-927.	5.7	47
299	Atezolizumab in the treatment of metastatic triple-negative breast cancer. <i>Expert Opinion on Biological Therapy</i> , 2020, 20, 981-989.	1.4	20
300	Radiation Damage to Tumor Vasculature Initiates a Program That Promotes Tumor Recurrences. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 734-744.	0.4	26
301	Regulation and Consequences of cGAS Activation by Self-DNA. <i>Trends in Cell Biology</i> , 2020, 30, 594-605.	3.6	54
302	Radiotherapy Cooperates with IL15 to Induce Antitumor Immune Responses. <i>Cancer Immunology Research</i> , 2020, 8, 1054-1063.	1.6	31
303	The interactions between cGAS-STING pathway and pathogens. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 91.	7.1	106
304	DNA Replication Stress and Chromosomal Instability: Dangerous Liaisons. <i>Genes</i> , 2020, 11, 642.	1.0	94
305	Old dogs, new trick: classic cancer therapies activate cGAS. <i>Cell Research</i> , 2020, 30, 639-648.	5.7	104
306	Dysfunctional telomeres trigger cellular senescence mediated by cyclic GMP-AMP synthase. <i>Journal of Biological Chemistry</i> , 2020, 295, 11144-11160.	1.6	32
307	Bacterial-induced cell fusion is a danger signal triggering cGAS-STING pathway via micronuclei formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15923-15934.	3.3	46
308	SPANX Control of Lamin A/C Modulates Nuclear Architecture and Promotes Melanoma Growth. <i>Molecular Cancer Research</i> , 2020, 18, 1560-1573.	1.5	13
309	cGAS-STING, an important pathway in cancer immunotherapy. <i>Journal of Hematology and Oncology</i> , 2020, 13, 81.	6.9	249
310	DNA Damage Repair Deficiency in Prostate Cancer. <i>Trends in Cancer</i> , 2020, 6, 974-984.	3.8	25
311	Chromosomal instability upregulates interferon in acute myeloid leukemia. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 627-638.	1.5	8
312	TREX1 – Apex predator of cytosolic DNA metabolism. <i>DNA Repair</i> , 2020, 94, 102894.	1.3	25
313	Promising targets based on pattern recognition receptors for cancer immunotherapy. <i>Pharmacological Research</i> , 2020, 159, 105017.	3.1	27

#	ARTICLE	IF	CITATIONS
314	Chromothripsis and telomere crisis: engines of genome instability. <i>Current Opinion in Genetics and Development</i> , 2020, 60, 41-47.	1.5	17
315	Inflammatory microenvironment remodelling by tumour cells after radiotherapy. <i>Nature Reviews Cancer</i> , 2020, 20, 203-217.	12.8	420
316	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 635, xix-xxxviii.	0.4	0
317	Development of cGAMP-Luc, a sensitive and precise coupled enzyme assay to measure cGAMP in complex biological samples. <i>Journal of Biological Chemistry</i> , 2020, 295, 4881-4892.	1.6	17
318	Airway Epithelial cGAS Is Critical for Induction of Experimental Allergic Airway Inflammation. <i>Journal of Immunology</i> , 2020, 204, 1437-1447.	0.4	32
319	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 636, xvii-xxxvi.	0.4	0
320	Generation of Genetically Engineered Mouse Lung Organoid Models for Squamous Cell Lung Cancers Allows for the Study of Combinatorial Immunotherapy. <i>Clinical Cancer Research</i> , 2020, 26, 3431-3442.	3.2	41
321	Tumor cells suppress radiation-induced immunity by hijacking caspase 9 signaling. <i>Nature Immunology</i> , 2020, 21, 546-554.	7.0	78
322	Extracellular cGAMP is a cancer-cell-produced immunotransmitter involved in radiation-induced anticancer immunity. <i>Nature Cancer</i> , 2020, 1, 184-196.	5.7	178
323	The role of lamin B receptor in the regulation of senescence-associated secretory phenotype (SASP). <i>Experimental Cell Research</i> , 2020, 390, 111927.	1.2	17
324	miR-181a initiates and perpetuates oncogenic transformation through the regulation of innate immune signaling. <i>Nature Communications</i> , 2020, 11, 3231.	5.8	24
325	Unrestrained ESCRT-III drives micronuclear catastrophe and chromosome fragmentation. <i>Nature Cell Biology</i> , 2020, 22, 856-867.	4.6	75
326	Molecular origins of APOBEC-associated mutations in cancer. <i>DNA Repair</i> , 2020, 94, 102905.	1.3	48
327	Nucleic Acid Sensors as Therapeutic Targets for Human Disease. <i>Immunity</i> , 2020, 53, 78-97.	6.6	44
328	cGAS-STING-mediated DNA sensing maintains CD8 <sup>+</sup> T cell stemness and promotes antitumor T cell therapy. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	121
329	PARP and PARC inhibitors in cancer treatment. <i>Genes and Development</i> , 2020, 34, 360-394.	2.7	360
330	DNA Sensing in the Innate Immune Response. <i>Physiology</i> , 2020, 35, 112-124.	1.6	91
331	The abscopal effect 67 years later: from a side story to center stage. <i>British Journal of Radiology</i> , 2020, 93, 20200042.	1.0	73

#	ARTICLE	IF	CITATIONS
332	Molecular Mechanisms of Radiation-Induced Cancer Cell Death: A Primer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 41.	1.8	203
333	Topoisomerase 1 cleavage complex enables pattern recognition and inflammation during senescence. <i>Nature Communications</i> , 2020, 11, 908.	5.8	36
334	Combining Radiation Therapy With Interferons: Back to the Future. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 56-69.	0.4	6
336	Blockade of the Phagocytic Receptor MerTK on Tumor-Associated Macrophages Enhances P2X7R-Dependent STING Activation by Tumor-Derived cGAMP. <i>Immunity</i> , 2020, 52, 357-373.e9.	6.6	235
337	CD73 Blockade Promotes Dendritic Cell Infiltration of Irradiated Tumors and Tumor Rejection. <i>Cancer Immunology Research</i> , 2020, 8, 465-478.	1.6	87
338	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 631, xxiii-xlii.	0.4	1
339	STING-dependent paracrine shapes apoptotic priming of breast tumors in response to anti-mitotic treatment. <i>Nature Communications</i> , 2020, 11, 259.	5.8	65
340	Functional evaluation and testing of a newly developed Teleostâ€™s Fish Otolith derived biocomposite coating for healthcare. <i>Scientific Reports</i> , 2020, 10, 258.	1.6	9
341	How Cells Respond to DNA Breaks in Mitosis. <i>Trends in Biochemical Sciences</i> , 2020, 45, 321-331.	3.7	44
342	Bacterial Genotoxin-Induced DNA Damage and Modulation of the Host Immune Microenvironment. <i>Toxins</i> , 2020, 12, 63.	1.5	39
343	Molecular pathobiology of scleritis and its therapeutic implications. <i>International Journal of Ophthalmology</i> , 2020, 13, 163-175.	0.5	12
344	A Four-Chemokine Signature Is Associated with a T-cellâ€™Inflamed Phenotype in Primary and Metastatic Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 1997-2010.	3.2	91
345	Trial watch: chemotherapy-induced immunogenic cell death in immuno-oncology. <i>Oncolimmunology</i> , 2020, 9, 1703449.	2.1	156
346	Preface: More than two decades of modern tumor immunology. <i>Methods in Enzymology</i> , 2020, 632, xxiii-xlii.	0.4	0
347	Regulation of cGASâ€™Mediated Immune Responses and Immunotherapy. <i>Advanced Science</i> , 2020, 7, 1902599.	5.6	26
348	Research Advances in How the cGAS-STING Pathway Controls the Cellular Inflammatory Response. <i>Frontiers in Immunology</i> , 2020, 11, 615.	2.2	143
349	The DNA Sensor cGAS is Decorated by Acetylation and Phosphorylation Modifications in the Context of Immune Signaling. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1193-1208.	2.5	29
350	DNA damage response signaling pathways and targets for radiotherapy sensitization in cancer. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 60.	7.1	474

#	ARTICLE	IF	CITATIONS
351	Transcriptional Upregulation of NLRC5 by Radiation Drives STING- and Interferon-Independent MHC-I Expression on Cancer Cells and T Cell Cytotoxicity. <i>Scientific Reports</i> , 2020, 10, 7376.	1.6	45
352	Self-blast state detection of glass insulators based on stochastic configuration networks and a feedback transfer learning mechanism. <i>Information Sciences</i> , 2020, 522, 259-274.	4.0	24
353	Replication Stress, DNA Damage, Inflammatory Cytokines and Innate Immune Response. <i>Genes</i> , 2020, 11, 409.	1.0	77
354	The Promise of Combining Radiation Therapy With Immunotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 6-16.	0.4	92
355	Combination of CHEK1/2 inhibition and ionizing radiation results in abscopal tumor response through increased micronuclei formation. <i>Oncogene</i> , 2020, 39, 4344-4357.	2.6	22
356	Depletion of Trichoplein (TpMs) Causes Chromosome Mis-Segregation, DNA Damage and Chromosome Instability in Cancer Cells. <i>Cancers</i> , 2020, 12, 993.	1.7	7
357	The cGAS/STING/TBK1/IRF3 innate immunity pathway maintains chromosomal stability through regulation of p21 levels. <i>Experimental and Molecular Medicine</i> , 2020, 52, 643-657.	3.2	59
358	HIV-1 viral cores enter the nucleus collectively through the nuclear endocytosis-like pathway. <i>Science China Life Sciences</i> , 2021, 64, 66-76.	2.3	11
359	Integrin-Linked-Kinase Overexpression Is Implicated in Mechanisms of Genomic Instability in Human Colorectal Cancer. <i>Digestive Diseases and Sciences</i> , 2021, 66, 1510-1523.	1.1	6
360	Constitutive immune mechanisms: mediators of host defence and immune regulation. <i>Nature Reviews Immunology</i> , 2021, 21, 137-150.	10.6	152
361	Oncolytic HSV Therapy Modulates Vesicular Trafficking Inducing Cisplatin Sensitivity and Antitumor Immunity. <i>Clinical Cancer Research</i> , 2021, 27, 542-553.	3.2	14
362	Opposing Roles of Type I Interferons in Cancer Immunity. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2021, 16, 167-198.	9.6	88
363	Differential immunomodulatory effect of PARP inhibition in BRCA1 deficient and competent tumor cells. <i>Biochemical Pharmacology</i> , 2021, 184, 114359.	2.0	8
364	The Radiobiology of Radiopharmaceuticals. <i>Seminars in Radiation Oncology</i> , 2021, 31, 20-27.	1.0	21
365	Signaling by cGAS/STING in Neurodegeneration, Neuroinflammation, and Aging. <i>Trends in Neurosciences</i> , 2021, 44, 83-96.	4.2	121
366	The FHA domain of PNKP is essential for its recruitment to DNA damage sites and maintenance of genome stability. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2021, 822, 111727.	0.4	9
367	Hierarchical pattern recognition for tourism demand forecasting. <i>Tourism Management</i> , 2021, 84, 104263.	5.8	42
368	Clinical Efficacy and Molecular Response Correlates of the WEE1 Inhibitor Adavosertib Combined with Cisplatin in Patients with Metastatic Triple-Negative Breast Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 983-991.	3.2	29

#	ARTICLE	IF	CITATIONS
369	MLH1 Deficiency-Triggered DNA Hyperexcision by Exonuclease 1 Activates the cGAS-STING Pathway. <i>Cancer Cell</i> , 2021, 39, 109-121.e5.	7.7	108
370	PARP Targeted Alpha-Particle Therapy Enhances Response to PD-1 Immune-Checkpoint Blockade in a Syngeneic Mouse Model of Glioblastoma. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 344-351.	2.5	16
371	Autophagy and PTEN in DNA damage-induced senescence. <i>Advances in Cancer Research</i> , 2021, 150, 249-284.	1.9	13
372	mTOR as a senescence manipulation target: A forked road. <i>Advances in Cancer Research</i> , 2021, 150, 335-363.	1.9	14
373	Radiation and Immunotherapy in Upper Gastrointestinal Cancers: The Current State of Play. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1071.	1.8	8
374	Androgen receptor splicing variant 7 (ARV7) inhibits docetaxel sensitivity by inactivating the spindle assembly checkpoint. <i>Journal of Biological Chemistry</i> , 2021, 296, 100276.	1.6	12
375	Cytoplasmic chromatin fragmentsâ€™ from mechanisms to therapeutic potential. <i>ELife</i> , 2021, 10, .	2.8	25
376	Whole-genome doubling confers unique genetic vulnerabilities on tumour cells. <i>Nature</i> , 2021, 590, 492-497.	13.7	146
377	STING, the Endoplasmic Reticulum, and Mitochondria: Is Three a Crowd or a Conversation?. <i>Frontiers in Immunology</i> , 2020, 11, 611347.	2.2	46
378	A Nuclear Export Signal Is Required for cGAS to Sense Cytosolic DNA. <i>Cell Reports</i> , 2021, 34, 108586.	2.9	56
379	Effect of radiotherapy on T cell and PD-1 / PD-L1 blocking therapy in tumor microenvironment. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 1555-1567.	1.4	17
380	IncCRLA Enhanced Chemoresistance in Lung Adenocarcinoma That Underwent EpithelialMesenchymal Transition. <i>Oncology Research</i> , 2021, 28, 857-872.	0.6	15
382	Combined STING levels and CD103+ T cell infiltration have significant prognostic implications for patients with cervical cancer. <i>OncImmunity</i> , 2021, 10, 1936391.	2.1	9
383	Post-translational modification control of viral DNA sensors and innate immune signaling. <i>Advances in Virus Research</i> , 2021, 109, 163-199.	0.9	12
384	Nuclear sensing of breaks in mitochondrial DNA enhances immune surveillance. <i>Nature</i> , 2021, 591, 477-481.	13.7	171
385	Review of the Efficacy and Mechanisms of Traditional Chinese Medicines as a Therapeutic Option for Ionizing Radiation Induced Damage. <i>Frontiers in Pharmacology</i> , 2021, 12, 617559.	1.6	5
386	Response of human macrophages to gamma radiation is mediated via expression of endogenous retroviruses. <i>PLoS Pathogens</i> , 2021, 17, e1009305.	2.1	18
387	The Dual Function of KDM5C in Both Gene Transcriptional Activation and Repression Promotes Breast Cancer Cell Growth and Tumorigenesis. <i>Advanced Science</i> , 2021, 8, 2004635.	5.6	26

#	ARTICLE	IF	CITATIONS
388	Can integrative biomarker approaches improve prediction of platinum and PARP inhibitor response in ovarian cancer?. <i>Seminars in Cancer Biology</i> , 2021, 77, 67-82.	4.3	12
389	The role of radiotherapy in the age of immunotherapy. <i>Japanese Journal of Clinical Oncology</i> , 2021, 51, 513-522.	0.6	28
390	The Role of Nucleases and Nucleic Acid Editing Enzymes in the Regulation of Self-Nucleic Acid Sensing. <i>Frontiers in Immunology</i> , 2021, 12, 629922.	2.2	18
391	A Randomized Trial of Combined PD-L1 and CTLA-4 Inhibition with Targeted Low-Dose or Hypofractionated Radiation for Patients with Metastatic Colorectal Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 2470-2480.	3.2	51
392	Impact of cancer evolution on immune surveillance and checkpoint inhibitor response. <i>Seminars in Cancer Biology</i> , 2022, 84, 89-102.	4.3	21
395	TRIMming Type I Interferon-Mediated Innate Immune Response in Antiviral and Antitumor Defense. <i>Viruses</i> , 2021, 13, 279.	1.5	18
396	5-Fluorouracil efficacy requires anti-tumor immunity triggered by cancer cell-intrinsic STING. <i>EMBO Journal</i> , 2021, 40, e106065.	3.5	44
397	Oncolytic Virotherapy: The Cancer Cell Side. <i>Cancers</i> , 2021, 13, 939.	1.7	6
399	ER-directed TREX1 limits cGAS activation at micronuclei. <i>Molecular Cell</i> , 2021, 81, 724-738.e9.	4.5	98
400	Radiotherapy programs neutrophils to an antitumor phenotype by inducing mesenchymal-epithelial transition. <i>Translational Lung Cancer Research</i> , 2021, 10, 1424-1443.	1.3	19
401	CARM1 Inhibition Enables Immunotherapy of Resistant Tumors by Dual Action on Tumor Cells and T Cells. <i>Cancer Discovery</i> , 2021, 11, 2050-2071.	7.7	43
402	Charged Particle and Conventional Radiotherapy: Current Implications as Partner for Immunotherapy. <i>Cancers</i> , 2021, 13, 1468.	1.7	24
403	Sealing holes in cellular membranes. <i>EMBO Journal</i> , 2021, 40, e106922.	3.5	75
404	A matter of wrapper: Defects in the nuclear envelope of lagging and bridging chromatin threatens genome integrity. <i>Seminars in Cell and Developmental Biology</i> , 2022, 123, 124-130.	2.3	6
405	The functional impact of nuclear reorganization in cellular senescence. <i>Briefings in Functional Genomics</i> , 2022, 21, 24-34.	1.3	21
406	TP53 drives abscopal effect by secretion of senescence-associated molecular signals in non-small cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 89.	3.5	18
407	Type I IFN Activating Type I Dendritic Cells for Antitumor Immunity. <i>Clinical Cancer Research</i> , 2021, 27, 3818-3824.	3.2	21
408	CGAS is a micronucleophagy receptor for the clearance of micronuclei. <i>Autophagy</i> , 2021, 17, 3976-3991.	4.3	39

#	ARTICLE	IF	CITATIONS
409	The tumor suppressor kinase DAPK3 drives tumor-intrinsic immunity through the STING-IFN- $\lambda$ 2 pathway. <i>Nature Immunology</i> , 2021, 22, 485-496.	7.0	45
410	Targeting Genome Stability in Melanoma—A New Approach to an Old Field. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3485.	1.8	4
411	Cell Death and Inflammation: The Role of Mitochondria in Health and Disease. <i>Cells</i> , 2021, 10, 537.	1.8	86
412	Radiotherapy: An immune response modifier for immuno-oncology. <i>Seminars in Immunology</i> , 2021, 52, 101474.	2.7	29
413	Purification of micronuclei from cultured cells by flow cytometry. <i>STAR Protocols</i> , 2021, 2, 100378.	0.5	4
414	The role of cGAS/STING in intestinal immunity. <i>European Journal of Immunology</i> , 2021, 51, 785-797.	1.6	22
415	Phosphorylation and chromatin tethering prevent cGAS activation during mitosis. <i>Science</i> , 2021, 371, .	6.0	123
416	Maintaining manganese in tumor to activate cGAS-STING pathway evokes a robust abscopal anti-tumor effect. <i>Journal of Controlled Release</i> , 2021, 331, 480-490.	4.8	66
417	Immune modulating activity of the CHK1 inhibitor prexasertib and anti-PD-L1 antibody LY3300054 in patients with high-grade serous ovarian cancer and other solid tumors. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 2991-3000.	2.0	18
418	Radiotherapy-exposed CD8+ and CD4+ neoantigens enhance tumor control. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	111
419	Immune Regulation of the cGAS-STING Signaling Pathway in the Tumor Microenvironment and Its Clinical Application. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 1501-1516.	1.0	12
420	Beyond immune checkpoint blockade: emerging immunological strategies. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 899-919.	21.5	208
421	Barrier-to-autointegration factor: a first responder for repair of nuclear ruptures. <i>Cell Cycle</i> , 2021, 20, 647-660.	1.3	9
422	Heterogeneity of IFN-Mediated Responses and Tumor Immunogenicity in Patients with Cervical Cancer Receiving Concurrent Chemoradiotherapy. <i>Clinical Cancer Research</i> , 2021, 27, 3990-4002.	3.2	13
423	Epicatechin and quercetin exhibit in vitro antioxidant effect, improve biochemical parameters related to metabolic syndrome, and decrease cellular genotoxicity in humans. <i>Food Research International</i> , 2021, 142, 110101.	2.9	30
424	DNA Damage and the Aging Epigenome. <i>Journal of Investigative Dermatology</i> , 2021, 141, 961-967.	0.3	8
425	Critical DNA damaging pathways in tumorigenesis. <i>Seminars in Cancer Biology</i> , 2022, 85, 164-184.	4.3	8
426	Interfaces between cellular responses to DNA damage and cancer immunotherapy. <i>Genes and Development</i> , 2021, 35, 602-618.	2.7	61



#	ARTICLE	IF	CITATIONS
427	Multinucleation associated DNA damage blocks proliferation in p53-compromised cells. <i>Communications Biology</i> , 2021, 4, 451.	2.0	13
428	The cGAS-STING pathway as a therapeutic target in inflammatory diseases. <i>Nature Reviews Immunology</i> , 2021, 21, 548-569.	10.6	714
429	Immunostimulatory Effect of Phoenix Dactylifera Supplemented Diet on <i>Aeromonas hydrophila</i> Infected <i>Clarias gariepinus</i> . <i>Pan African Journal of Life Sciences</i> , 2021, 5, .	0.1	1
431	Inhibition of the DNA damage response to activate immune responses toward tumors. <i>FEBS Journal</i> , 2021, 288, 4503-4506.	2.2	0
432	Radiotherapy, immunotherapy, and the tumour microenvironment: Turning an immunosuppressive milieu into a therapeutic opportunity. <i>Cancer Letters</i> , 2021, 502, 84-96.	3.2	80
433	Genome instability from nuclear catastrophe and DNA damage. <i>Seminars in Cell and Developmental Biology</i> , 2022, 123, 131-139.	2.3	17
434	Small Molecule Inhibitors Targeting Key Proteins in the DNA Damage Response for Cancer Therapy. <i>Current Medicinal Chemistry</i> , 2021, 28, 963-985.	1.2	14
435	Reciprocal regulation of RIG-I and XRCC4 connects DNA repair with RIG-I immune signaling. <i>Nature Communications</i> , 2021, 12, 2187.	5.8	30
436	Functional Interfaces, Biological Pathways, and Regulations of Interferon-Related DNA Damage Resistance Signature (IRDS) Genes. <i>Biomolecules</i> , 2021, 11, 622.	1.8	18
437	Immune Response: A Missed Opportunity Between Vitamin D and Radiotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 646981.	1.8	2
438	Expanding roles of cell cycle checkpoint inhibitors in radiation oncology. <i>International Journal of Radiation Biology</i> , 2023, 99, 941-950.	1.0	13
439	STING enhances cell death through regulation of reactive oxygen species and DNA damage. <i>Nature Communications</i> , 2021, 12, 2327.	5.8	78
440	STING and transplantation: can targeting this pathway improve outcomes?. <i>Blood</i> , 2021, 137, 1871-1878.	0.6	2
441	Recent advances in radiobiology with respect to pleiotropic aspects of tissue reaction. <i>Journal of Radiation Research</i> , 2021, 62, i30-i35.	0.8	1
442	RRM2 silencing suppresses malignant phenotype and enhances radiosensitivity via activating cGAS/STING signaling pathway in lung adenocarcinoma. <i>Cell and Bioscience</i> , 2021, 11, 74.	2.1	27
443	Radiation dose and fraction in immunotherapy: one-size regimen does not fit all settings, so how does one choose?. , 2021, 9, e002038.		124
444	Nucleic Acid Immunity and DNA Damage Response: New Friends and Old Foes. <i>Frontiers in Immunology</i> , 2021, 12, 660560.	2.2	26
445	The Dynamic Entropy of Tumor Immune Infiltrates: The Impact of Recirculation, Antigen-Specific Interactions, and Retention on T Cells in Tumors. <i>Frontiers in Oncology</i> , 2021, 11, 653625.	1.3	12

#	ARTICLE	IF	CITATIONS
446	The abscopal effect: a sense of DNA damage is in the air. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	19
447	Immunotherapy Combined With Radiation Therapy for Genitourinary Malignancies. <i>Frontiers in Oncology</i> , 2021, 11, 663852.	1.3	19
449	High Temperature Drives Topoisomerase Mediated Chromosomal Break Repair Pathway Choice. <i>Cancers</i> , 2021, 13, 2315.	1.7	3
450	Gene Polymorphism of XRCC1 in Systemic Lupus Erythematosus. <i>Open Rheumatology Journal</i> , 2021, 15, 24-30.	0.1	0
451	Inhibition of DNA-PK with AZD7648 Sensitizes Tumor Cells to Radiotherapy and Induces Type I IFN-Dependent Durable Tumor Control. <i>Clinical Cancer Research</i> , 2021, 27, 4353-4366.	3.2	27
452	Exploiting Radiation Therapy to Restore Immune Reactivity of Glioblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 671044.	1.3	11
454	PERIPHERAL BLOOD MONONUCLEAR DNA DAMAGE IDENTIFIED BY THE «OMET» METHOD, AS A POSSIBLE INDICATOR OF SENSITIVITY OF MELANOMA TO IMMUNOTHERAPY WITH NIVOLUMAB. <i>Siberian Journal of Oncology</i> , 2021, 20, 37-45.	0.1	1
455	Clinical Significance and Systematic Expression Analysis of the Thyroid Receptor Interacting Protein 13 (TRIP13) as Human Gliomas Biomarker. <i>Cancers</i> , 2021, 13, 2338.	1.7	5
456	Harnessing Genomic Stress for Antitumor Immunity. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1128-1150.	2.5	5
457	Radiation-Induced Immunity and Toxicities: The Versatility of the cGAS-STING Pathway. <i>Frontiers in Immunology</i> , 2021, 12, 680503.	2.2	31
459	Immunofluorescence microscopy-based assessment of cytosolic DNA accumulation in mammalian cells. <i>STAR Protocols</i> , 2021, 2, 100488.	0.5	3
460	Mechanisms of Photosensitivity in Autoimmunity. <i>Journal of Investigative Dermatology</i> , 2022, 142, 849-856.	0.3	7
461	Radiation-induced neoantigens broaden the immunotherapeutic window of cancers with low mutational loads. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	62
462	Homozygous Co-Deletion of Type I Interferons and CDKN2A Genes in Thoracic Cancers: Potential Consequences for Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 695770.	1.3	9
463	Research Progress of PARP Inhibitor Monotherapy and Combination Therapy for Endometrial Cancer. <i>Current Drug Targets</i> , 2022, 23, 145-155.	1.0	5
464	Human SLC46A2 Is the Dominant cGAMP Importer in Extracellular cGAMP-Sensing Macrophages and Monocytes. <i>ACS Central Science</i> , 2021, 7, 1073-1088.	5.3	62
465	PBRM1 Deficiency Confers Synthetic Lethality to DNA Repair Inhibitors in Cancer. <i>Cancer Research</i> , 2021, 81, 2888-2902.	0.4	66
466	G-quadruplex binders as cytostatic modulators of innate immune genes in cancer cells. <i>Nucleic Acids Research</i> , 2021, 49, 6673-6686.	6.5	26

#	ARTICLE	IF	CITATIONS
467	Checkpoint Kinase 1 (Chk1) inhibition fails to activate the Stimulator of Interferon Genes (STING) innate immune signalling in a human coculture cancer system. <i>Molecular Biomedicine</i> , 2021, 2, 19.	1.7	3
468	Depletion of DNA Polymerase Theta Inhibits Tumor Growth and Promotes Genome Instability through the cGAS-STING-ISC Pathway in Esophageal Squamous Cell Carcinoma. <i>Cancers</i> , 2021, 13, 3204.	1.7	9
469	Aneuploid senescent cells activate NF- $\kappa$ B to promote their immune clearance by NK cells. <i>EMBO Reports</i> , 2021, 22, e52032.	2.0	42
471	Structural Chromosome Instability: Types, Origins, Consequences, and Therapeutic Opportunities. <i>Cancers</i> , 2021, 13, 3056.	1.7	26
472	The Replication Stress Response on a Narrow Path Between Genomic Instability and Inflammation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702584.	1.8	22
473	A narrative review of combined stereotactic ablative radiotherapy and immunotherapy in metastatic non-small cell lung cancer. <i>Translational Lung Cancer Research</i> , 2021, 10, 2766-2778.	1.3	9
475	Bacterial Toxins Are a Never-Ending Source of Surprises: From Natural Born Killers to Negotiators. <i>Toxins</i> , 2021, 13, 426.	1.5	6
476	Causes and consequences of micronuclei. <i>Current Opinion in Cell Biology</i> , 2021, 70, 91-99.	2.6	102
477	Poly(ADP-ribose) polymerase inhibitors in combination with anti-angiogenic agents for the treatment of advanced ovarian cancer. <i>Future Oncology</i> , 2021, 17, 2291-2304.	1.1	2
478	Dealing with DNA lesions: When one cell cycle is not enough. <i>Current Opinion in Cell Biology</i> , 2021, 70, 27-36.	2.6	24
479	Causes and consequences of DNA damage-induced autophagy. <i>Matrix Biology</i> , 2021, 100-101, 39-53.	1.5	18
480	The STING1 network regulates autophagy and cell death. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 208.	7.1	105
481	Impact of proton therapy on antitumor immune response. <i>Scientific Reports</i> , 2021, 11, 13444.	1.6	27
482	Intersection of Two Checkpoints: Could Inhibiting the DNA Damage Response Checkpoint Rescue Immune Checkpoint-Refractory Cancer?. <i>Cancers</i> , 2021, 13, 3415.	1.7	15
483	DNA damage repair: historical perspectives, mechanistic pathways and clinical translation for targeted cancer therapy. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 254.	7.1	239
484	Translation stress and collided ribosomes are co-activators of cGAS. <i>Molecular Cell</i> , 2021, 81, 2808-2822.e10.	4.5	52
485	High linear energy transfer carbon-ion irradiation upregulates PD-L1 expression more significantly than X-rays in human osteosarcoma U2OS cells. <i>Journal of Radiation Research</i> , 2021, 62, 773-781.	0.8	17
486	Genotoxic stress in constitutive trisomies induces autophagy and the innate immune response via the cGAS-STING pathway. <i>Communications Biology</i> , 2021, 4, 831.	2.0	22

#	ARTICLE	IF	CITATIONS
487	Low-dose targeted radionuclide therapy renders immunologically cold tumors responsive to immune checkpoint blockade. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	92
488	Decoding and rejuvenating human ageing genomes: Lessons from mosaic chromosomal alterations. <i>Ageing Research Reviews</i> , 2021, 68, 101342.	5.0	21
489	Chronic exposure to Cytolethal Distending Toxin (CDT) promotes a cGAS-dependent type I interferon response. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6319-6335.	2.4	7
490	Cell-autonomous inflammation of BRCA1-deficient ovarian cancers drives both tumor-intrinsic immunoreactivity and immune resistance via STING. <i>Cell Reports</i> , 2021, 36, 109412.	2.9	60
491	Mitotic disassembly and reassembly of nuclear pore complexes. <i>Trends in Cell Biology</i> , 2021, 31, 1019-1033.	3.6	54
492	Nuclear cGAS: guard or prisoner?. <i>EMBO Journal</i> , 2021, 40, e108293.	3.5	36
493	Trisomy 21-associated increases in chromosomal instability are unmasked by comparing isogenic trisomic/disomic leukocytes from people with mosaic Down syndrome. <i>PLoS ONE</i> , 2021, 16, e0254806.	1.1	4
494	Eribulin Activates the cGAS-STING Pathway via the Cytoplasmic Accumulation of Mitochondrial DNA. <i>Molecular Pharmacology</i> , 2021, 100, 309-318.	1.0	17
495	Pulsed Radiation Therapy to Improve Systemic Control of Metastatic Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 737425.	1.3	6
496	MyD88-dependent BCG immunotherapy reduces tumor and regulates tumor microenvironment in bladder cancer murine model. <i>Scientific Reports</i> , 2021, 11, 15648.	1.6	19
498	Modulation of immune responses by DNA damage signaling. <i>DNA Repair</i> , 2021, 104, 103135.	1.3	8
499	Targeting the DNA damage response in immuno-oncology: developments and opportunities. <i>Nature Reviews Cancer</i> , 2021, 21, 701-717.	12.8	150
500	Translation of DNA Damage Response Inhibitors as Chemoradiation Sensitizers From the Laboratory to the Clinic. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, e38-e53.	0.4	2
501	Nuclear cGAS: sequestration and beyond. <i>Protein and Cell</i> , 2022, 13, 90-101.	4.8	27
502	Genotoxic stress and viral infection induce transient expression of APOBEC3A and pro-inflammatory genes through two distinct pathways. <i>Nature Communications</i> , 2021, 12, 4917.	5.8	28
503	Neutrophilâ€“Lymphocyte Ratio and Absolute Lymphocyte Count as Prognostic Markers in Patients Treated with Curative-intent Radiotherapy for Non-small Cell Lung Cancer. <i>Clinical Oncology</i> , 2021, 33, e331-e338.	0.6	9
504	Consequences of mitotic failure â€“ The penalties and the rewards. <i>Seminars in Cell and Developmental Biology</i> , 2021, 117, 149-158.	2.3	6
505	Loss of polycomb repressive complex 1 activity and chromosomal instability drive uveal melanoma progression. <i>Nature Communications</i> , 2021, 12, 5402.	5.8	34

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506	Compromised nuclear envelope integrity drives TREX1-dependent DNA damage and tumor cell invasion. <i>Cell</i> , 2021, 184, 5230-5246.e22.	13.5	109
507	MYO10 drives genomic instability and inflammation in cancer. <i>Science Advances</i> , 2021, 7, eabg6908.	4.7	15
508	Inflammatory cytokine storms severity may be fueled by interactions of micronuclei and RNA viruses such as COVID-19 virus SARS-CoV-2. A hypothesis. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 788, 108395.	2.4	8
509	PARP7 negatively regulates the type I interferon response in cancer cells and its inhibition triggers antitumor immunity. <i>Cancer Cell</i> , 2021, 39, 1214-1226.e10.	7.7	72
511	Paclitaxel Induces Micronucleation and Activates Pro-Inflammatory cGAS-STING Signaling in Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 2553-2567.	1.9	35
513	Cytosolic dsDNA is a novel senescence marker associated with pyroptosis activation. <i>Tissue and Cell</i> , 2021, 72, 101554.	1.0	4
514	Abscopal Effect and Drug-Induced Xenogenization: A Strategic Alliance in Cancer Treatment?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10672.	1.8	5
515	STING Signaling and Sterile Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 753789.	2.2	26
516	Interplay of cGAS with chromatin. <i>Trends in Biochemical Sciences</i> , 2021, 46, 822-831.	3.7	17
517	Regulatory T Cells Shape the Differential Impact of Radiation Dose-Fractionation Schedules on Host Innate and Adaptive Antitumor Immune Defenses. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 502-514.	0.4	22
518	STING pathway and modulation for cancer immunotherapy. , 2022, , 353-373.		0
519	cGAS-STING pathway expression as a prognostic tool in NSCLC. <i>Translational Lung Cancer Research</i> , 2021, 10, 340-354.	1.3	18
520	SAMHD1 can suppress lung adenocarcinoma progression through the negative regulation of STING. <i>Journal of Thoracic Disease</i> , 2021, 13, 189-201.	0.6	7
521	Wip1 Aggravates the Cerulein-Induced Cell Autophagy and Inflammatory Injury by Targeting STING/TBK1/IRF3 in Acute Pancreatitis. <i>Inflammation</i> , 2021, 44, 1175-1183.	1.7	9
522	Signaling Through Nucleic Acid Sensors and Their Roles in Inflammatory Diseases. <i>Frontiers in Immunology</i> , 2020, 11, 625833.	2.2	58
523	Lymphocyte micronuclei frequencies in skin, haematological, prostate, colorectal and esophageal cancer cases: A systematic review and meta-analysis. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108372.	2.4	11
524	Radio-Immunology of Ablative Radiation. , 2019, , 15-29.		3
525	Targeting the DNA Damage Response for Radiosensitization. <i>Cancer Drug Discovery and Development</i> , 2020, , 191-218.	0.2	1

#	ARTICLE	IF	CITATIONS
526	Priming and Propagating Anti-tumor Immunity: Focal Hypofractionated Radiation for in Situ Vaccination and Systemic Targeted Radionuclide Theranostics for Immunomodulation of Tumor Microenvironments. <i>Seminars in Radiation Oncology</i> , 2020, 30, 181-186.	1.0	21
527	Modulation of Immune Checkpoints by Chemotherapy in Human Colorectal Liver Metastases. <i>Cell Reports Medicine</i> , 2020, 1, 100160.	3.3	18
528	Alerting the immune system to DNA damage: micronuclei as mediators. <i>Essays in Biochemistry</i> , 2020, 64, 753-764.	2.1	19
545	Metastasis and Immune Evasion from Extracellular cGAMP Hydrolysis. <i>Cancer Discovery</i> , 2021, 11, 1212-1227.	7.7	139
546	PARP inhibition enhances tumor cellâ€™intrinsic immunity in ERCC1-deficient nonâ€™small cell lung cancer. <i>Journal of Clinical Investigation</i> , 2019, 129, 1211-1228.	3.9	222
547	Type I IFN protects cancer cells from CD8+ T cellâ€™mediated cytotoxicity after radiation. <i>Journal of Clinical Investigation</i> , 2019, 129, 4224-4238.	3.9	95
548	Inhibition of the ATM/Chk2 axis promotes cGAS/STING signaling in ARID1A-deficient tumors. <i>Journal of Clinical Investigation</i> , 2020, 130, 5951-5966.	3.9	72
549	Hair follicle stem cell replication stress drives IFI16/STING-dependent inflammation in hidradenitis suppurativa. <i>Journal of Clinical Investigation</i> , 2020, 130, 3777-3790.	3.9	35
550	PARP1 depletion induces RIG-I-dependent signaling in human cancer cells. <i>PLoS ONE</i> , 2018, 13, e0194611.	1.1	21
551	Combining Heavy-Ion Therapy with Immunotherapy: An Update on Recent Developments. <i>International Journal of Particle Therapy</i> , 2018, 5, 84-93.	0.9	22
552	Smallâ€™molecule inhibition of agingâ€™associated chromosomal instability delays cellular senescence. <i>EMBO Reports</i> , 2020, 21, e49248.	2.0	27
553	Genotoxic effects of mercury chloride on the Neotropical fish <i>Andinoacara rivulatus</i> (Cichlidae:). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	0.1	5
554	The Aftermath of Surviving Acute Radiation Hematopoietic Syndrome and its Mitigation. <i>Radiation Research</i> , 2019, 191, 323.	0.7	17
555	Unrepaired DNA damage in macrophages causes elevation of particulate matter- induced airway inflammatory response. <i>Aging</i> , 2018, 10, 549-560.	1.4	9
556	Combined external beam radiotherapy with carbon ions and tumor targeting endoradiotherapy. <i>Oncotarget</i> , 2018, 9, 29985-30004.	0.8	11
557	cGAS-STING pathway in oncogenesis and cancer therapeutics. <i>Oncotarget</i> , 2020, 11, 2930-2955.	0.8	36
558	The Multifunctional Protein p62 and Its Mechanistic Roles in Cancers. <i>Current Cancer Drug Targets</i> , 2019, 19, 468-478.	0.8	22
559	Attenuation of cGAS/STING activity during mitosis. <i>Life Science Alliance</i> , 2020, 3, e201900636.	1.3	17

#	ARTICLE	IF	CITATIONS
560	Next-Generation Cancer Biomarkers: Extracellular Vesicle DNA as a Circulating Surrogate of Tumor DNA. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 622048.	1.8	29
561	The Interplay Between the DNA Damage Response, RNA Processing and Extracellular Vesicles. <i>Frontiers in Oncology</i> , 2019, 9, 1538.	1.3	21
563	Tight nuclear tethering of cGAS is essential for preventing autoreactivity. <i>ELife</i> , 2019, 8, .	2.8	182
564	PARP1 inhibitors trigger innate immunity via PARP1 trapping-induced DNA damage response. <i>ELife</i> , 2020, 9, .	2.8	69
565	Persistent DNA damage signaling and DNA polymerase theta promote broken chromosome segregation. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	16
566	Cellular senescence in the tumor microenvironment and context-specific cancer treatment strategies. <i>FEBS Journal</i> , 2023, 290, 1290-1302.	2.2	20
568	A non-canonical, interferon-independent signaling activity of cGAMP triggers DNA damage response signaling. <i>Nature Communications</i> , 2021, 12, 6207.	5.8	30
569	STING protects breast cancer cells from intrinsic and genotoxic-induced DNA instability via a non-canonical, cell-autonomous pathway. <i>Oncogene</i> , 2021, 40, 6627-6640.	2.6	26
570	A Tale of Two Checkpoints: ATR Inhibition and PD-(L)1 Blockade. <i>Annual Review of Medicine</i> , 2022, 73, 231-250.	5.0	11
571	ZBP1-MLKL necroptotic signaling potentiates radiation-induced antitumor immunity via intratumoral STING pathway activation. <i>Science Advances</i> , 2021, 7, eabf6290.	4.7	79
572	Kickstarting Immunity in Cold Tumours: Localised Tumour Therapy Combinations With Immune Checkpoint Blockade. <i>Frontiers in Immunology</i> , 2021, 12, 754436.	2.2	21
573	Nuclear AIM2-like Receptors Drive Genotoxic Tissue Injury by Inhibiting DNA Repair. <i>Advanced Science</i> , 2021, 8, e2102534.	5.6	12
574	Papers of note in <i>Nature</i> (7668). <i>Science Signaling</i> , 2017, 10, .	1.6	0
577	Radiation and Immunotherapy for Sarcoma. , 2019, , 47-65.		0
581	Micronucleus image recognition based on feature-map spatial transformation. , 2019, , .		0
587	Mechanism of mitotic catastrophe and its role in anticancer therapy. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2020, 74, 84-93.	0.1	0
591	ATP-binding cassette protein ABCF1 couples transcription and genome surveillance in embryonic stem cells through low-complexity domain. <i>Science Advances</i> , 2021, 7, eabk2775.	4.7	4
592	Cytoplasmic DNA: sources, sensing, and role in aging and disease. <i>Cell</i> , 2021, 184, 5506-5526.	13.5	95

#	ARTICLE	IF	CITATIONS
593	Delivery of STING agonists for adjuvanting subunit vaccines. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114020.	6.6	65
594	Activation of a cGAS-STING-mediated immune response predicts response to neoadjuvant chemotherapy in early breast cancer. <i>British Journal of Cancer</i> , 2022, 126, 247-258.	2.9	14
597	A hybrid approach to model the dykes in Sungun porphyry copper deposit using Dempsterâ€“Shafer theory. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	1
598	Synergy of Immunotherapy and Radiosurgery. , 2020, , 355-369.		0
601	Viral Modulation of the DNA Damage Response and Innate Immunity: Two Sides of the Same Coin. <i>Journal of Molecular Biology</i> , 2022, 434, 167327.	2.0	5
602	Sensing of cytoplasmic chromatin by cGAS activates innate immune response in SARS-CoV-2 infection. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 382.	7.1	53
604	Association of homozygous variants of STING1 with outcome in human cervical cancer. <i>Cancer Science</i> , 2021, 112, 61-71.	1.7	11
605	Nuclear division cycle 80 complex is associated with malignancy and predicts poor survival of hepatocellular carcinoma. <i>International Journal of Clinical and Experimental Pathology</i> , 2019, 12, 1233-1247.	0.5	3
606	Targeting Non-homologous and Alternative End Joining Repair to Enhance Cancer Radiosensitivity. <i>Seminars in Radiation Oncology</i> , 2022, 32, 29-41.	1.0	11
607	Genomic instability, inflammatory signaling and response to cancer immunotherapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188661.	3.3	56
608	Cytomic analysis: a modern universal tool for biomedical and ecological and hygienic research (literature review). Part 1. <i>Gigiena I Sanitariia</i> , 2021, 100, 1151-1156.	0.1	0
609	POGZ promotes homologyâ€“directed DNA repair in an HP1â€“dependent manner. <i>EMBO Reports</i> , 2022, 23, e51041.	2.0	9
610	Expression of nonâ€“homologous end joining factor, Ku80, is negatively correlated with PDâ€“L1 expression in cancer cells after Xâ€“ray irradiation. <i>Oncology Letters</i> , 2021, 23, 29.	0.8	7
611	R-loops trigger the release of cytoplasmic ssDNAs leading to chronic inflammation upon DNA damage. <i>Science Advances</i> , 2021, 7, eabj5769.	4.7	30
612	Chromosome length and gene density contribute to micronuclear membrane stability. <i>Life Science Alliance</i> , 2022, 5, e202101210.	1.3	17
613	Classes of therapeutics to amplify the immune response. <i>Breast Cancer Research and Treatment</i> , 2022, 191, 277-289.	1.1	1
614	The SETDB1â€“TRIM28 Complex Suppresses Antitumor Immunity. <i>Cancer Immunology Research</i> , 2021, 9, 1413-1424.	1.6	24
615	Cellular origins of dsRNA, their recognition and consequences. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 286-301.	16.1	113



#	ARTICLE	IF	CITATIONS
616	APOBEC3A drives deaminase domain-independent chromosomal instability to promote pancreatic cancer metastasis. <i>Nature Cancer</i> , 2021, 2, 1338-1356.	5.7	35
617	Radionuclide Therapy and Immunomodulation. , 2022, , 249-266.		0
618	STING Signaling and Skin Cancers. <i>Cancers</i> , 2021, 13, 5603.	1.7	10
619	Innate immunity and Inflammophagy: Balancing the Defence and Immune Homeostasis. <i>FEBS Journal</i> , 2021, , .	2.2	9
620	Multimodal immunostimulation to control BRCA1-defective ovarian carcinoma. <i>Trends in Cancer</i> , 2021, , .	3.8	0
621	Regulation of the Cell-Intrinsic DNA Damage Response by the Innate Immune Machinery. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12761.	1.8	10
622	Chromatin bridges, not micronuclei, activate cGAS after drug-induced mitotic errors in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	48
623	Comparative analysis of the immune responses in cancer cells irradiated with X-ray, proton and carbon-ion beams. <i>Biochemical and Biophysical Research Communications</i> , 2021, 585, 55-60.	1.0	11
624	Antiviral Responses in Cancer: Boosting Antitumor Immunity Through Activation of Interferon Pathway in the Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 782852.	2.2	19
625	The cGAS/STING Pathway: A Novel Target for Cancer Therapy. <i>Frontiers in Immunology</i> , 2021, 12, 795401.	2.2	37
626	Pharmacological Targeting of STING-Dependent IL-6 Production in Cancer Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 709618.	1.8	8
628	When breaks get hot: inflammatory signaling in BRCA1/2-mutant cancers. <i>Trends in Cancer</i> , 2022, 8, 174-189.	3.8	27
629	DNA-PK Inhibitor Pepsertib Amplifies Radiation-Induced Inflammatory Micronucleation and Enhances TGF $\beta$ 2/PD-L1 Targeted Cancer Immunotherapy. <i>Molecular Cancer Research</i> , 2022, 20, 568-582.	1.5	13
631	Viral and cellular oncogenes promote immune evasion. <i>Oncogene</i> , 2022, 41, 921-929.	2.6	12
633	NBS1-CtIP mediated DNA end resection suppresses cGAS binding to micronuclei. <i>Nucleic Acids Research</i> , 2022, 50, 2681-2699.	6.5	8
634	Effects of aneuploidy on cell behaviour and function. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 250-265.	16.1	35
635	CDK4/6 inhibitors induce replication stress to cause long-term cell cycle withdrawal. <i>EMBO Journal</i> , 2022, 41, e108599.	3.5	48
636	<sc>PARP</sc> mediated <sc>DNA</sc> damage response, genomic stability and immune responses. <i>International Journal of Cancer</i> , 2022, 150, 1745-1759.	2.3	18

#	ARTICLE	IF	CITATIONS
637	Particle radiotherapy and molecular therapies: mechanisms and strategies towards clinical applications. <i>Expert Reviews in Molecular Medicine</i> , 2022, 24, e8.	1.6	12
639	The STING pathway: An uncharacterized angle beneath the gutâ€“retina axis. <i>Experimental Eye Research</i> , 2022, 217, 108970.	1.2	2
640	Regulation and function of the cGAS-MITA/STING axis in health and disease. , 2022, 1, 100001.		15
641	cGAS/STING cross-talks with cell cycle and potentiates cancer immunotherapy. <i>Molecular Therapy</i> , 2022, 30, 1006-1017.	3.7	23
642	Characterization of radiation-induced micronuclei associated with premature senescence, and their selective removal by senolytic drug, ABT-263. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503448.	0.9	0
643	Emerging dimensions of cellular cGAS-STING signaling. <i>Current Opinion in Immunology</i> , 2022, 74, 164-171.	2.4	15
644	Type-I Interferon Signaling in Fanconi Anemia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 820273.	1.8	7
645	Immunogenic cell stress and death. <i>Nature Immunology</i> , 2022, 23, 487-500.	7.0	434
646	Impacts of the STINGâ€“cGASâ€“NF-ÎºBâ€“STAT1â€“IRF1 pathway on the cellular immune reaction induced by fractionated irradiation. <i>Cancer Science</i> , 2022, 113, 1352-1361.	1.7	7
647	Epigenetic state determines inflammatory sensing in neuroblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	21
648	MRE11-dependent instability in mitochondrial DNA fork protection activates a cGAS immune signaling pathway. <i>Science Advances</i> , 2021, 7, eabf9441.	4.7	19
649	New Strategies and Combinations to Improve Outcomes in Immunotherapy in Metastatic Non-Small-Cell Lung Cancer. <i>Current Oncology</i> , 2022, 29, 38-55.	0.9	7
650	Cell-free chromatin: A newly described mediator of systemic inflammation. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	4
651	ELISA-based quantification of type I IFN secretion by irradiated cancer cells. <i>Methods in Cell Biology</i> , 2022, , .	0.5	1
652	Aneuploidy, inflammation and diseases. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2022, 824, 111777.	0.4	3
653	Relationship between micronucleus formation and oxidative stress in human vascular endothelial cells under low dose rate irradiation. <i>Fundamental Toxicological Sciences</i> , 2022, 9, 47-59.	0.2	0
654	Neutrophils and micronuclei: An emerging link between genomic instability and cancer-driven inflammation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2022, 824, 111778.	0.4	1
655	The Dynamic Instability of the Aneuploid Genome. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 838928.	1.8	13

#	ARTICLE	IF	CITATIONS
656	Comprehensive screening for drugs that modify radiation-induced immune responses. <i>British Journal of Cancer</i> , 2022, , .	2.9	2
657	Targeting the DNA Damage Response for Cancer Therapy by Inhibiting the Kinase Wee1. <i>Frontiers in Oncology</i> , 2022, 12, 828684.	1.3	19
658	DNA-PK Inhibition and Radiation Promote Antitumoral Immunity through RNA Polymerase III in Pancreatic Cancer. <i>Molecular Cancer Research</i> , 2022, 20, 1137-1150.	1.5	8
659	Harnessing radiotherapy-induced NK-cell activity by combining DNA damage response inhibition and immune checkpoint blockade. , 2022, 10, e004306.		36
660	Mitochondrial DNA on Tumor-Associated Macrophages Polarization and Immunity. <i>Cancers</i> , 2022, 14, 1452.	1.7	8
661	Type I interferon-mediated tumor immunity and its role in immunotherapy. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 191.	2.4	86
662	Biochemistry, Cell Biology, and Pathophysiology of the Innate Immune cGAS/cGAMP/STING Pathway. <i>Annual Review of Biochemistry</i> , 2022, 91, 599-628.	5.0	38
663	IFN- $\gamma$ activates the tumor cell-intrinsic STING pathway through the induction of DNA damage and cytosolic dsDNA formation. <i>OncImmunology</i> , 2022, 11, 2044103.	2.1	14
664	DNA damage response inhibition-based combination therapies in cancer treatment: Recent advances and future directions. <i>Aging and Cancer</i> , 2022, 3, 44-67.	0.5	2
665	Gaussian curvature dilutes the nuclear lamina, favoring nuclear rupture, especially at high strain rate. <i>Nucleus</i> , 2022, 13, 130-144.	0.6	15
666	DNA in extracellular vesicles: from evolution to its current application in health and disease. <i>Cell and Bioscience</i> , 2022, 12, 37.	2.1	41
667	DNA damage contributes to neurotoxic inflammation in Aicardi-Goutières syndrome astrocytes. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	35
669	Mechanisms of A-Type Lamin Targeting to Nuclear Ruptures Are Disrupted in LMNA- and BANF1-Associated Progerias. <i>Cells</i> , 2022, 11, 865.	1.8	10
670	Intracellular Self-Assembly Driven Nucleus-Targeted Photo-Immune Stimulator with Chromatin Decompaction Function for Robust Innate and Adaptive Antitumor Immunity. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	35
671	Validation of CD98hc as a Therapeutic Target for a Combination of Radiation and Immunotherapies in Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2022, 14, 1677.	1.7	7
672	The roles and mechanisms of senescence-associated secretory phenotype (SASP): can it be controlled by senolysis?. <i>Inflammation and Regeneration</i> , 2022, 42, 11.	1.5	62
674	Spontaneous activity of the mitochondrial apoptosis pathway drives chromosomal defects, the appearance of micronuclei and cancer metastasis through the Caspase-Activated DNase. <i>Cell Death and Disease</i> , 2022, 13, 315.	2.7	14
675	Modification of BRCA1-associated breast cancer risk by HMMR overexpression. <i>Nature Communications</i> , 2022, 13, 1895.	5.8	19

#	ARTICLE	IF	CITATIONS
676	Radiation therapy-induced remodeling of the tumor immune microenvironment. <i>Seminars in Cancer Biology</i> , 2022, 86, 737-747.	4.3	30
677	Opportunities and challenges in combining immunotherapy and radiotherapy in head and neck cancers. <i>Cancer Treatment Reviews</i> , 2022, 105, 102361.	3.4	12
678	Polo-like kinase 4 inhibitor CFI400945 suppresses liver cancer through cell cycle perturbation and eliciting antitumor immunity. <i>Hepatology</i> , 2023, 77, 729-744.	3.6	16
679	Local radiotherapy and E7 RNA-LPX vaccination show enhanced therapeutic efficacy in preclinical models of HPV16+ cancer. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 1975-1988.	2.0	11
680	Fast reaction and long duration application of dabrafenib plus trametinib in treatment of metastatic melanoma with B-Raf V600E mutation: A case report. <i>Chinese Journal of Plastic and Reconstructive Surgery</i> , 2021, 3, 193-196.	0.1	0
681	The developing landscape of combinatorial therapies of immune checkpoint blockade with DNA damage repair inhibitors for the treatment of breast and ovarian cancers. <i>Journal of Hematology and Oncology</i> , 2021, 14, 206.	6.9	24
682	Function and Molecular Mechanism of the DNA Damage Response in Immunity and Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 797880.	2.2	35
683	Mechanisms and Regulation of Cellular Senescence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13173.	1.8	116
684	IFI16 inhibits DNA repair that potentiates type-I interferon-induced antitumor effects in triple negative breast cancer. <i>Cell Reports</i> , 2021, 37, 110138.	2.9	24
685	APOBEC3A drives STING-dependent metastasis. <i>Nature Cancer</i> , 2021, 2, 1293-1295.	5.7	1
686	The cGAS-STING pathway: more than fighting against viruses and cancer. <i>Cell and Bioscience</i> , 2021, 11, 209.	2.1	22
687	A Promising Treatment Strategy for Lung Cancer: A Combination of Radiotherapy and Immunotherapy. <i>Cancers</i> , 2022, 14, 203.	1.7	7
688	Induction of IL19 expression through JNK and cGAS-STING modulates DNA damage-induced cytokine production. <i>Science Signaling</i> , 2021, 14, eaba2611.	1.6	1
689	Exosomes in Cancer Diagnosis and Radiation Therapy. <i>Physiology</i> , 0, , .	4.0	0
690	LncRNA PCAT1 activates SOX2 and suppresses radioimmune responses via regulating cGAS/STING signalling in non-small cell lung cancer. <i>Clinical and Translational Medicine</i> , 2022, 12, e792.	1.7	14
691	Clinical efficacy and safety of external radiotherapy combined with sorafenib in the treatment of hepatocellular carcinoma: A systematic review and meta-analysis. <i>Annals of Hepatology</i> , 2022, , 100710.	0.6	5
694	Cytoplasmic PARP1 links the genome instability to the inhibition of antiviral immunity through PARylating cGAS. <i>Molecular Cell</i> , 2022, 82, 2032-2049.e7.	4.5	31
695	Impact of DNA damage response defects in cancer cells on response to immunotherapy and radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2022, 66, 546-559.	0.9	5

#	ARTICLE	IF	CITATIONS
696	Fluorescent tracking identifies key migratory dendritic cells in the lymph node after radiotherapy. <i>Life Science Alliance</i> , 2022, 5, e202101337.	1.3	8
697	Control of innate immunity by the cGAS-STING pathway. <i>Immunology and Cell Biology</i> , 2022, 100, 409-423.	1.0	12
698	Cancer cells use self-inflicted DNA breaks to evade growth limits imposed by genotoxic stress. <i>Science</i> , 2022, 376, 476-483.	6.0	27
699	Nucleic Acid Sensing Pathways in DNA Repair Targeted Cancer Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 903781.	1.8	4
700	Walking a tightrope: The complex balancing act of R-loops in genome stability. <i>Molecular Cell</i> , 2022, 82, 2267-2297.	4.5	83
701	Pathophysiological functions of self-derived DNA. <i>International Reviews of Immunology</i> , 2023, 42, 274-286.	1.5	1
702	Genome Replication Is Associated With Release of Immunogenic DNA Waste. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	5
703	Safety and potential increased risk of toxicity of radiotherapy combined immunotherapy strategy. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2023, 19, 35-50.	0.7	2
704	Mechanisms of DNA damage-mediated neurotoxicity in neurodegenerative disease. <i>EMBO Reports</i> , 2022, 23, e54217.	2.0	43
705	Disrupting Mechanisms that Regulate Genomic Repeat Elements to Combat Cancer and Drug Resistance. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	5
706	Association between the genetic variants of base excision repair pathway genes and allergic rhinitis susceptibility in Chinese children. <i>World Allergy Organization Journal</i> , 2022, 15, 100650.	1.6	1
707	The multifaceted functions of cGAS. <i>Journal of Molecular Cell Biology</i> , 2022, 14, .	1.5	12
708	Mitochondria supply sub-lethal signals for cytokine secretion and DNA-damage in <i>H. pylori</i> infection. <i>Cell Death and Differentiation</i> , 2022, 29, 2218-2232.	5.0	12
709	Radiation-induced non-targeted effect of immunity provoked by mitochondrial DNA damage triggered cGAS/ AIM2 pathways. <i>Radiation Medicine and Protection</i> , 2022, 3, 47-55.	0.4	1
710	Cytoplasmic DNA in cancer cells: Several pathways that potentially limit DNase2 and TREX1 activities. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119278.	1.9	6
711	Stochastic configuration networks for self-blast state recognition of glass insulators with adaptive depth and multi-scale representation. <i>Information Sciences</i> , 2022, 604, 61-79.	4.0	14
712	Black Phosphorus Quantum Dots Enhance the Radiosensitivity of Human Renal Cell Carcinoma Cells through Inhibition of DNA-PKcs Kinase. <i>Cells</i> , 2022, 11, 1651.	1.8	3
713	ENPP1's regulation of extracellular cGAMP is a ubiquitous mechanism of attenuating STING signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119189119.	3.3	30

#	ARTICLE	IF	CITATIONS
714	Clinical Landscape of PARP Inhibitors in Ovarian Cancer: Molecular Mechanisms and Clues to Overcome Resistance. <i>Cancers</i> , 2022, 14, 2504.	1.7	12
715	DNA damage promotes HLA class I presentation by stimulating a pioneer round of translation-associated antigen production. <i>Molecular Cell</i> , 2022, 82, 2557-2570.e7.	4.5	13
716	Roles of natural killer cells in immunity to cancer, and applications to immunotherapy. <i>Nature Reviews Immunology</i> , 2023, 23, 90-105.	10.6	110
717	SARS-CoV-2 infection in patients with inborn errors of immunity due to DNA repair defects. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, , .	0.9	3
718	SETDB1 Restrains Endogenous Retrovirus Expression and Antitumor Immunity during Radiotherapy. <i>Cancer Research</i> , 2022, 82, 2748-2760.	0.4	14
719	A Bibliometric Analysis of the Innate Immune DNA Sensing cGAS-STING Pathway from 2013 to 2021. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	12
720	Cellular senescence and the tumour microenvironment. <i>Molecular Oncology</i> , 2022, 16, 3333-3351.	2.1	34
721	Telomere Maintenance and the cGAS-STING Pathway in Cancer. <i>Cells</i> , 2022, 11, 1958.	1.8	2
722	Noncanonical NF- $\kappa$ B factor p100/p52 regulates homologous recombination and modulates sensitivity to DNA-damaging therapy. <i>Nucleic Acids Research</i> , 2022, 50, 6251-6263.	6.5	4
723	Pathophysiological Role of Nucleic Acid-Sensing Pattern Recognition Receptors in Inflammatory Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	3
724	Pro- and anti-inflammatory bioactive lipids imbalance contributes to the pathobiology of autoimmune diseases. <i>European Journal of Clinical Nutrition</i> , 2023, 77, 637-651.	1.3	11
725	cGAS-STING drives the IL-6-dependent survival of chromosomally instable cancers. <i>Nature</i> , 2022, 607, 366-373.	13.7	132
726	Varicella-Zoster virus ORF9 is an antagonist of the DNA sensor cGAS. <i>EMBO Journal</i> , 2022, 41, .	3.5	21
727	Integrated Mn (III)-Doped Nanosystem for Optimizing Photothermal Ablation: Amplifying Hyperthermia-Induced STING Pathway and Enhancing Antitumor Immunity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
728	â©ç,,¶ã...ç-«ã...3é”@ã;jã•è»ç™1/2MITAçš,,ãçŽ°ãšã...¶æ,,ã¹%. <i>Scientia Sinica Vitae</i> , 2022, , .	0.1	0
730	Integrative understanding of immune-metabolic interaction. <i>BMB Reports</i> , 2022, 55, 259-266.	1.1	1
731	Overexpression of satellite RNAs in heterochromatin induces chromosomal instability and reflects drug sensitivity in mouse cancer cells. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
732	Comparative Analysis of the Antitumor Immune Profiles of Paired Radiotherapy-naive and Radiotherapy-treated Cervical Cancer Tissues. <i>Anticancer Research</i> , 2022, 42, 3341-3348.	0.5	0

#	ARTICLE	IF	CITATIONS
733	Chromosome instability and aneuploidy as context-dependent activators or inhibitors of antitumor immunity. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
734	DNA damage and repair in age-related inflammation. <i>Nature Reviews Immunology</i> , 2023, 23, 75-89.	10.6	56
735	Think Beyond Particle Cytotoxicity: When Self-Cellular Components Released After Immunogenic Cell Death Explain Chronic Disease Development. <i>Frontiers in Toxicology</i> , 0, 4, .	1.6	3
736	Niraparib plus nivolumab or niraparib plus ipilimumab in patients with platinum-sensitive advanced pancreatic cancer: a randomised, phase 1b/2 trial. <i>Lancet Oncology</i> , The, 2022, 23, 1009-1020.	5.1	44
737	Circulating cell-free DNA and its clinical utility in cancer. <i>Laboratoriums Medizin</i> , 2022, 46, 265-272.	0.1	2
739	Herpesvirus-mimicking DNAzyme-loaded Nanoparticles as a Mitochondrial DNA Stress Inducer to Activate Innate Immunity for Tumor Therapy. <i>Advanced Materials</i> , 2022, 34, .	11.1	34
740	Mitotic SENP3 activation couples with cGAS signaling in tumor cells to stimulate anti-tumor immunity. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	3
741	PBAF loss leads to DNA damage-induced inflammatory signaling through defective G2/M checkpoint maintenance. <i>Genes and Development</i> , 2022, 36, 790-806.	2.7	4
742	cGAS-STING and the deadly CIN: how chronic inflammation represents a therapeutic vulnerability in chromosomally unstable cancers. <i>Trends in Cancer</i> , 2022, 8, 788-789.	3.8	2
743	Interplay of cGAS with micronuclei: Regulation and diseases. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 790, 108440.	2.4	7
744	Topoisomerase I poison-triggered immune gene activation is markedly reduced in human small-cell lung cancers by impairment of the cGAS/STING pathway. <i>British Journal of Cancer</i> , 2022, 127, 1214-1225.	2.9	16
745	The cGAS/STING signaling pathway: a cross-talk of infection, senescence and tumors. <i>Cell Cycle</i> , 2023, 22, 38-56.	1.3	5
746	Promises and Challenges of Immunogenic Chemotherapy in Multiple Myeloma. <i>Cells</i> , 2022, 11, 2519.	1.8	1
748	Radioimmunotherapy in HPV-Associated Head and Neck Squamous Cell Carcinoma. <i>Biomedicines</i> , 2022, 10, 1990.	1.4	2
749	Deciphering the Biological Effects of Radiotherapy in Cancer Cells. <i>Biomolecules</i> , 2022, 12, 1167.	1.8	9
750	Regulation of the Innate Immune Response during the Human Papillomavirus Life Cycle. <i>Viruses</i> , 2022, 14, 1797.	1.5	9
751	Unpaved roads: How the DNA damage response navigates endogenous genotoxins. <i>DNA Repair</i> , 2022, 118, 103383.	1.3	2
752	PARP inhibitor plus radiotherapy reshapes an inflamed tumor microenvironment that sensitizes small cell lung cancer to the anti-PD-1 immunotherapy. <i>Cancer Letters</i> , 2022, 545, 215852.	3.2	24

#	ARTICLE	IF	CITATIONS
753	Sorafenib suppresses radioresistance and synergizes radiotherapy-mediated CD8+ T cell activation to eradicate hepatocellular carcinoma. <i>International Immunopharmacology</i> , 2022, 112, 109110.	1.7	10
754	STAT3 and PD-L1 are negatively correlated with ATM and have impact on the prognosis of triple-negative breast cancer patients with low ATM expression. <i>Breast Cancer Research and Treatment</i> , 2022, 196, 45-56.	1.1	2
755	The role of DNA damage repair (DDR) system in response to immune checkpoint inhibitor (ICI) therapy. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	3.5	21
756	The spindle assembly checkpoint is a therapeutic vulnerability of CDK4/6 inhibitor-resistant ER <sup>+</sup> breast cancer with mitotic aberrations. <i>Science Advances</i> , 2022, 8, .	4.7	12
757	Improving PARP inhibitor efficacy in high-grade serous ovarian carcinoma: A focus on the immune system. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	4
758	cGAS-STING activation contributes to podocyte injury in diabetic kidney disease. <i>IScience</i> , 2022, 25, 105145.	1.9	30
759	Genome integrity and inflammation in the nervous system. <i>DNA Repair</i> , 2022, 119, 103406.	1.3	4
760	The multifaceted role of micronuclei in tumour progression: A whole organism perspective.. <i>International Journal of Biochemistry and Cell Biology</i> , 2022, 152, 106300.	1.2	2
761	Host-pathogen protein-nucleic acid interactions: A comprehensive review. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 4415-4436.	1.9	9
762	Quantification of cytosolic DNA species by immunofluorescence microscopy and automated image analysis. <i>Methods in Cell Biology</i> , 2022, , 115-134.	0.5	0
763	Role of autophagy in tumor response to radiation: Implications for improving radiotherapy. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	4
764	Post-Translational Modifications of cGAS-STING: A Critical Switch for Immune Regulation. <i>Cells</i> , 2022, 11, 3043.	1.8	12
765	MPS1 inhibition primes immunogenicity of KRAS-LKB1 mutant lung cancer. <i>Cancer Cell</i> , 2022, 40, 1128-1144.e8.	7.7	25
766	Balancing Affinity, Selectivity, and Cytotoxicity of Hydrazone-Based G-Quadruplex Ligands for Activation of Interferon $\beta$ Genes in Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 12055-12067.	2.9	4
767	Ligands stimulating antitumour immunity as the next G-quadruplex challenge. <i>Molecular Cancer</i> , 2022, 21, .	7.9	18
768	DNA-PKcs promotes fork reversal and chemoresistance. <i>Molecular Cell</i> , 2022, 82, 3932-3942.e6.	4.5	17
769	Regulation of cGAS Activity and Downstream Signaling. <i>Cells</i> , 2022, 11, 2812.	1.8	7
770	Targeting DNA damage response components induces enhanced STING-dependent type-I IFN response in ATM deficient cancer cells and drives dendritic cell activation. <i>Oncimmunology</i> , 2022, 11, .	2.1	11



#	ARTICLE	IF	CITATIONS
771	STING Agonists in Head and Neck Squamous Cell Carcinoma. <i>Cancer Journal (Sudbury, Mass )</i> , 2022, 28, 401-406.	1.0	4
774	Effect of stereotactic radiotherapy on immune microenvironment of lung cancer. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
775	The structure-selective endonucleases GEN1 and MUS81 mediate complementary functions in safeguarding the genome of proliferating B lymphocytes. <i>ELife</i> , 0, 11, .	2.8	0
776	The DNA damage induced immune response: Implications for cancer therapy. <i>DNA Repair</i> , 2022, 120, 103409.	1.3	6
777	Radiation-induced eosinophil increase ratio predicts patient outcomes in non-small cell lung cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
778	Recent advances in the activation and regulation of the cGAS-STING pathway. <i>Advances in Immunology</i> , 2022, , 55-102.	1.1	7
779	Triple kill: DDR inhibitors, radiotherapy and immunotherapy leave cancer cells with no escape. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, 54, 1569-1576.	0.9	4
780	Caspase activation counteracts interferon signaling after G2 checkpoint abrogation by ATR inhibition in irradiated human cancer cells. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	1
781	Pan-Cancer Analysis of the Prognostic and Immunotherapeutic Value of MITD1. <i>Cells</i> , 2022, 11, 3308.	1.8	3
782	Blockade of USP14 potentiates type I interferon signaling and radiation-induced antitumor immunity via preventing IRF3 deubiquitination. <i>Cellular Oncology (Dordrecht)</i> , 2022, 45, 1347-1361.	2.1	2
783	The paradoxical role of radiation-induced cGAS-STING signalling network in tumour immunity. <i>Immunology</i> , 2023, 168, 375-388.	2.0	11
784	Tumor microenvironment shows an immunological abscopal effect in patients with NSCLC treated with pembrolizumab-radiotherapy combination. , 2022, 10, e005248.		8
785	Leveraging the replication stress response to optimize cancer therapy. <i>Nature Reviews Cancer</i> , 2023, 23, 6-24.	12.8	33
786	MYC promotes immune-suppression in triple-negative breast cancer via inhibition of interferon signaling. <i>Nature Communications</i> , 2022, 13, .	5.8	30
787	Multifunctional PVCL nanogels enable magnetic resonance imaging and immunostimulated radiotherapy of orthotopic glioblastoma. <i>Chemical Engineering Journal</i> , 2023, 453, 139634.	6.6	3
788	Deregulated DNA damage response network in Behcet's disease. <i>Clinical Immunology</i> , 2022, , 109189.	1.4	3
789	Radiosensitization-Related Cuproptosis LncRNA Signature in Non-Small Cell Lung Cancer. <i>Genes</i> , 2022, 13, 2080.	1.0	6
790	Integrated manganese (III)-doped nanosystem for optimizing photothermal ablation: Amplifying hyperthermia-induced STING pathway and enhancing antitumor immunity. <i>Acta Biomaterialia</i> , 2023, 155, 601-617.	4.1	8

#	ARTICLE	IF	CITATIONS
791	cGAS-STING Pathway as the Target of Immunotherapy for Lung Cancer. <i>Current Cancer Drug Targets</i> , 2023, 23, 354-362.	0.8	2
792	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
795	STING Targeting in Lung Diseases. <i>Cells</i> , 2022, 11, 3483.	1.8	2
796	An mRNA vaccine elicits STING-dependent antitumor immune responses. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 1274-1286.	5.7	5
797	DNA mechanical flexibility controls DNA potential to activate cGAS-mediated immune surveillance. <i>Nature Communications</i> , 2022, 13, .	5.8	7
798	More than one route to render tumors resistant to cGAS/STING activation. <i>Trends in Pharmacological Sciences</i> , 2022, , .	4.0	0
799	Persistent immune response: Twice tumor exfoliation induced by sialic acidâ€“modified vincristine sulfate liposomes. <i>International Journal of Pharmaceutics</i> , 2023, 631, 122467.	2.6	2
800	The second half of mitosis and its implications in cancer biology. <i>Seminars in Cancer Biology</i> , 2023, 88, 1-17.	4.3	4
801	Amazing roles of extrachromosomal DNA in cancer progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2023, 1878, 188843.	3.3	2
802	Synergizing radiotherapy and immunotherapy: Current challenges and strategies for optimization. <i>Neoplasia</i> , 2023, 36, 100867.	2.3	9
803	Multi-Omics Immune Interaction Networks in Lung Cancer Tumorigenesis, Proliferation, and Survival. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14978.	1.8	7
804	Anlotinib enhances the antitumor immunity of radiotherapy by activating cGAS/STING in non-small cell lung cancer. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	6
805	Genomic signature of Fanconi anaemia DNA repair pathway deficiency in cancer. <i>Nature</i> , 2022, 612, 495-502.	13.7	28
806	Bibliometric and Visualized Analysis of the Current Status on STING Signaling Pathway and Cancer. <i>Journal of Oncology</i> , 2022, 2022, 1-12.	0.6	2
807	cGAS in nucleus: The link between immune response and DNA damage repair. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
808	Involvement of the STING signaling in COVID-19. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
809	Defective DNA polymerase beta invoke a cytosolic DNA mediated inflammatory response. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
811	Apoptosis as a Barrier against CIN and Aneuploidy. <i>Cancers</i> , 2023, 15, 30.	1.7	1

#	ARTICLE	IF	CITATIONS
812	Radiotherapy induced immunogenic cell death by remodeling tumor immune microenvironment. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
813	Neoadjuvant immunotherapy for resectable esophageal cancer: A review. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
814	T Cells Contribute to Pathological Responses in the Non-Targeted Rat Heart following Irradiation of the Kidneys. <i>Toxics</i> , 2022, 10, 797.	1.6	4
815	R-loop-derived cytoplasmic RNA-DNA hybrids activate an immune response. <i>Nature</i> , 2023, 613, 187-194.	13.7	76
816	Encapsulation of Platinum Prodrugs into PC7A Polymeric Nanoparticles Combined with Immune Checkpoint Inhibitors for Therapeutically Enhanced Multimodal Chemotherapy and Immunotherapy by Activation of the STING Pathway. <i>Advanced Science</i> , 2023, 10, .	5.6	25
818	Innate immune signaling drives late cardiac toxicity following DNA-damaging cancer therapies. <i>Journal of Experimental Medicine</i> , 2023, 220, .	4.2	4
819	PP4 inhibition sensitizes ovarian cancer to NK cell-mediated cytotoxicity via STAT1 activation and inflammatory signaling. , 2022, 10, e005026.		5
820	The cGAS-STING pathway and cancer. <i>Nature Cancer</i> , 2022, 3, 1452-1463.	5.7	76
821	An update on post-transcriptional regulation of retrotransposons. <i>FEBS Letters</i> , 2023, 597, 380-406.	1.3	7
822	ATR represents a therapeutic vulnerability in clear cell renal cell carcinoma. <i>JCI Insight</i> , 2022, 7, .	2.3	5
823	Necroptosis-dependent Immunogenicity of Cisplatin: Implications for Enhancing the Radiation-induced Abscopal Effect. <i>Clinical Cancer Research</i> , 2023, 29, 667-683.	3.2	12
824	Human functional genomics reveals toxicological mechanism underlying genotoxicants-induced inflammatory responses under low doses exposure. <i>Chemosphere</i> , 2022, , 137658.	4.2	0
825	Selective ATM inhibition augments radiation-induced inflammatory signaling and cancer cell death. <i>Aging</i> , 2022, 15, 492-512.	1.4	6
826	A machine learning framework develops a DNA replication stress model for predicting clinical outcomes and therapeutic vulnerability in primary prostate cancer. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	5
827	Nascent DNA sequencing and its diverse applications in genome integrity research. <i>Methods in Cell Biology</i> , 2024, , 67-81.	0.5	0
828	Innate immunity mediator STING modulates nascent DNA metabolism at stalled forks in human cells. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	0
829	The role of STING signaling in central nervous system infection and neuroinflammatory disease. <i>WIREs Mechanisms of Disease</i> , 2023, 15, .	1.5	7
830	HSV Replication: Triggering and Repressing STING Functionality. <i>Viruses</i> , 2023, 15, 226.	1.5	3

#	ARTICLE	IF	CITATIONS
831	ATR inhibition overcomes platinum tolerance associated with ERCC1- and p53-deficiency by inducing replication catastrophe. <i>NAR Cancer</i> , 2023, 5, .	1.6	1
832	Tissue fluidification promotes a cGASâ€“STING cytosolic DNA response in invasive breast cancer. <i>Nature Materials</i> , 2023, 22, 644-655.	13.3	24
833	Immunogenic Cell Death in Cancer. , 2023, , .		0
834	Combining targeted DNA repair inhibition and immune-oncology approaches for enhanced tumor control. <i>Molecular Cell</i> , 2023, 83, 660-680.	4.5	10
835	ENPP1 Immunobiology as a Therapeutic Target. <i>Clinical Cancer Research</i> , 2023, 29, 2184-2193.	3.2	11
838	<scp>STING</scp> agonism turns human T cells into interferonâ€“producing cells but impedes their functionality. <i>EMBO Reports</i> , 2023, 24, .	2.0	13
839	The cGAS-STING pathway: a therapeutic target in chromosomally unstable cancers. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	4
840	Low-dose X-ray radiodynamic therapy solely based on gold nanoclusters for efficient treatment of deep hypoxic solid tumors combined with enhanced antitumor immune response. <i>Theranostics</i> , 2023, 13, 1042-1058.	4.6	8
841	Immune Checkpoint Inhibition and Radiotherapy in Head and Neck Squamous Cell Carcinoma: Synergisms and Resistance Mechanisms. , 2023, , 11-21.		0
842	Physical Sciences in Cancer: Recent Advances and Insights at the Interface. <i>Current Cancer Research</i> , 2023, , 301-328.	0.2	0
843	Combining radiation and the ATR inhibitor berzosertib activates STING signaling and enhances immunotherapy via inhibiting SHP1 function in colorectal cancer. <i>Cancer Communications</i> , 2023, 43, 435-454.	3.7	13
845	Gastric cancer derived mesenchymal stem cells promoted DNA repair and cisplatin resistance through up-regulating PD-L1/Rad51 in gastric cancer. <i>Cellular Signalling</i> , 2023, 106, 110639.	1.7	6
846	Developing H3K27M mutant selective radiosensitization strategies in diffuse intrinsic pontine glioma. <i>Neoplasia</i> , 2023, 37, 100881.	2.3	3
847	Antecedent chromatin organization determines cGAS recruitment to ruptured micronuclei. <i>Nature Communications</i> , 2023, 14, .	5.8	15
848	Exploiting RIG-I-like receptor pathway for cancer immunotherapy. <i>Journal of Hematology and Oncology</i> , 2023, 16, .	6.9	22
849	Single High-Dose Irradiation-Induced iRhom2 Upregulation Promotes Macrophage Antitumor Activity Through cGAS/STING Signaling. <i>International Journal of Radiation Oncology Biology Physics</i> , 2023, 116, 1150-1162.	0.4	3
850	Are charged particles a good match for combination with immunotherapy? Current knowledge and perspectives. <i>International Review of Cell and Molecular Biology</i> , 2023, , 1-36.	1.6	4
851	Rapid profiling of DNA replication dynamics using mass spectrometryâ€“based analysis of nascent DNA. <i>Journal of Cell Biology</i> , 2023, 222, .	2.3	2

#	ARTICLE	IF	CITATIONS
852	Cell death, therapeutics, and the immune response in cancer. <i>Trends in Cancer</i> , 2023, 9, 381-396.	3.8	29
853	Human Endonuclease ANKLE1 Localizes at the Midbody and Processes Chromatin Bridges to Prevent DNA Damage and cGAS-STING Activation. <i>Advanced Science</i> , 2023, 10, .	5.6	6
855	Mitochondria-localized cGAS suppresses ferroptosis to promote cancer progression. <i>Cell Research</i> , 2023, 33, 299-311.	5.7	21
856	cGAS-STING signalling in cancer: striking a balance with chromosomal instability. <i>Biochemical Society Transactions</i> , 2023, 51, 539-555.	1.6	10
857	cGAS-dependent proinflammatory and immune homeostatic effects of the microtubule-targeting agent paclitaxel. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	2
858	Opposite and dynamic regulation of the interferon response in metastatic and non-metastatic breast cancer. <i>Cell Communication and Signaling</i> , 2023, 21, .	2.7	5
859	DNA Repair Deficiency Regulates Immunity Response in Cancers: Molecular Mechanism and Approaches for Combining Immunotherapy. <i>Cancers</i> , 2023, 15, 1619.	1.7	5
860	SARS-CoV-2 infection induces DNA damage, through CHK1 degradation and impaired 53BP1 recruitment, and cellular senescence. <i>Nature Cell Biology</i> , 2023, 25, 550-564.	4.6	25
862	Chromothripsis is correlated with reduced cytotoxic immune infiltration and diminished responsiveness to checkpoint blockade immunotherapy. <i>Theranostics</i> , 2023, 13, 1443-1453.	4.6	0
863	Cytosolic DNA sensors and glial responses to endogenous DNA. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	3
864	Pharmacological boosting of cGAS activation sensitizes chemotherapy by enhancing antitumor immunity. <i>Cell Reports</i> , 2023, 42, 112275.	2.9	4
865	Epigenetic state determines the in vivo efficacy of STING agonist therapy. <i>Nature Communications</i> , 2023, 14, .	5.8	12
866	Microbial and Host Metabolites at the Backstage of Fever: Current Knowledge about the Co-Ordinate Action of Receptors and Molecules Underlying Pathophysiology and Clinical Implications. <i>Metabolites</i> , 2023, 13, 461.	1.3	4
867	Oleic Acid Dissolves cGAS-DNA Phase Separation to Inhibit Immune Surveillance. <i>Advanced Science</i> , 0, , 2206820.	5.6	2
868	The role of dendritic cells in radiation-induced immune responses. <i>International Review of Cell and Molecular Biology</i> , 2023, , .	1.6	1
869	Manganese complexes stimulate antitumor immunity via aggravating DNA damage and activating the cGAS-STING pathway. <i>Chemical Science</i> , 2023, 14, 4375-4389.	3.7	9
871	POLQ inhibition elicits an immune response in homologous recombination-deficient pancreatic adenocarcinoma via cGAS/STING signaling. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	11
872	STING inhibits the reactivation of dormant metastasis in lung adenocarcinoma. <i>Nature</i> , 2023, 616, 806-813.	13.7	38

#	ARTICLE	IF	CITATIONS
874	Double-checking chromosome segregation. <i>Journal of Cell Biology</i> , 2023, 222, .	2.3	7
875	A neutrophil mimicking metal-porphyrin-based nanodevice loaded with porcine pancreatic elastase for cancer therapy. <i>Nature Communications</i> , 2023, 14, .	5.8	12
876	STAT2 hinders STING intracellular trafficking and reshapes its activation in response to DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	5
877	Cytoplasmic DNAs: Sources, sensing, and roles in the development of lung inflammatory diseases and cancer. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
879	Genomic Insults and their Redressal in the Eutopic Endometrium of Women with Endometriosis. <i>Reproductive Medicine</i> , 2023, 4, 74-88.	0.3	1
880	Immune-checkpoint inhibitor resistance in cancer treatment: Current progress and future directions. <i>Cancer Letters</i> , 2023, 562, 216182.	3.2	15
881	Effect of stimulator of interferon genes (STING) signaling on radiation-induced chemokine expression in human osteosarcoma cells. <i>PLoS ONE</i> , 2023, 18, e0284645.	1.1	1
887	Cancer patient stratification based on patterns of immune infiltration. , 2024, , 133-144.		0
908	Beyond DNA sensing: expanding the role of cGAS/STING in immunity and diseases. <i>Archives of Pharmacal Research</i> , 2023, 46, 500-534.	2.7	4
918	Crosstalk between immune checkpoint and DNA damage response inhibitors for radiosensitization of tumors. <i>Strahlentherapie Und Onkologie</i> , 2023, 199, 1152-1163.	1.0	2
924	Twenty years of merotelic kinetochore attachments: a historical perspective. <i>Chromosome Research</i> , 2023, 31, .	1.0	2
925	Editorial: Targeting DNA damage response to enhance antitumor innate immunity in radiotherapy. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	0
927	The complementarity of DDR, nucleic acids and anti-tumour immunity. <i>Nature</i> , 2023, 619, 475-486.	18.7	13
928	Cyclersâ€™ kinases in cell division: from molecules to cancer therapy. <i>Cell Death and Differentiation</i> , 2023, 30, 2035-2052.	5.0	2
951	Alpha Particleâ€™Emitting Radiopharmaceuticals as Cancer Therapy: Biological Basis, Current Status, and Future Outlook for Therapeutics Discovery. <i>Molecular Imaging and Biology</i> , 2023, 25, 991-1019.	1.3	0
955	Radiotherapy remodels the tumor microenvironment for enhancing immunotherapeutic sensitivity. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	6
975	Radiation for inflammatory breast cancer: Updates. <i>International Review of Cell and Molecular Biology</i> , 2023, , .	1.6	0
981	Scrambling the genome in cancer: causes and consequences of complex chromosome rearrangements. <i>Nature Reviews Genetics</i> , 2024, 25, 196-210.	7.7	3

#	ARTICLE	IF	CITATIONS
1035	The molecular mechanism of dsDNA sensing through the cGAS-STING pathway. <i>Advances in Immunology</i> , 2024, .	1.1	0