Atsushi Shibata

List of Publications by Year
in descending order

79 papers	5,304 citations	159525 30 h-index	88593 70 g-index
80 all docs	80 docs citations	80 times ranked	6822 citing authors

#	Article	IF	Citations
1	RAP80 suppresses the vulnerability of R-loops during DNA double-strand break repair. Cell Reports, 2022, 38, 110335.	2.9	3
2	Radiosensitization by the Selective Pan-FGFR Inhibitor LY2874455. Cells, 2022, 11, 1727.	1.8	1
3	DNA damage promotes HLA class I presentation by stimulating a pioneer round of translation-associated antigen production. Molecular Cell, 2022, 82, 2557-2570.e7.	4.5	13
4	Quantitative volumetric analysis of the Golgi apparatus following X-ray irradiation by super-resolution 3D-SIM microscopy. Medical Molecular Morphology, 2021, 54, 166-172.	0.4	2
5	Analysis of radiotherapyâ€'induced alteration of CD8+ T cells and PDâ€'L1 expression in patients with uterine cervical squamous cell carcinoma. Oncology Letters, 2021, 21, 446.	0.8	16
6	High linear energy transfer carbon-ion irradiation upregulates PD-L1 expression more significantly than X-rays in human osteosarcoma U2OS cells. Journal of Radiation Research, 2021, 62, 773-781.	0.8	17
7	Modulation of immune responses by DNA damage signaling. DNA Repair, 2021, 104, 103135.	1.3	8
8	ATMâ€™s Role in the Repair of DNA Double-Strand Breaks. Genes, 2021, 12, 1370.	1.0	38
9	Genome Maintenance Mechanisms at the Chromatin Level. International Journal of Molecular Sciences, 2021, 22, 10384.	1.8	3
10	Mechanism of chromosome rearrangement arising from single-strand breaks. Biochemical and Biophysical Research Communications, 2021, 572, 191-196.	1.0	3
11	Expression of nonâ€'homologous end joining factor, Ku80, is negatively correlated with PDâ€'L1 expression in cancer cells after Xâ€'ray irradiation. Oncology Letters, 2021, 23, 29.	0.8	7
12	64Cu-ATSM Predicts Efficacy of Carbon Ion Radiotherapy Associated with Cellular Antioxidant Capacity. Cancers, 2021, 13, 6159.	1.7	5
13	Roles for 53BP1 in the repair of radiation-induced DNA double strand breaks. DNA Repair, 2020, 93, 102915.	1.3	61
14	UBC13-Mediated Ubiquitin Signaling Promotes Removal of Blocking Adducts from DNA Double-Strand Breaks. IScience, 2020, 23, 101027.	1.9	17
15	Relative Biological Effectiveness of Carbon Ions for Head-and-Neck Squamous Cell Carcinomas According to Human Papillomavirus Status. Journal of Personalized Medicine, 2020, 10, 71.	1.1	13
16	Roles for the DNA-PK complex and 53BP1 in protecting ends from resection during DNA double-strand break repair. Journal of Radiation Research, 2020, 61, 718-726.	0.8	17
17	DNA double-strand break end resection: a critical relay point for determining the pathway of repair and signaling. Genome Instability & Disease, 2020, 1, 155-171.	0.5	18
18	DNA Repair and Signaling in Immune-Related Cancer Therapy. Frontiers in Molecular Biosciences, 2020, 7, 205.	1.6	20

#	Article	IF	Citations
19	Reporting of methodologies used for clonogenic assays to determine radiosensitivity. Journal of Radiation Research, 2020, 61, 828-831.	0.8	5
20	Induction of Micronuclei in Cervical Cancer Treated with Radiotherapy. Journal of Personalized Medicine, 2020, 10, 110.	1.1	6
21	Comparison of Clonogenic Survival Data Obtained by Pre- and Post-Irradiation Methods. Journal of Personalized Medicine, 2020, 10, 171.	1.1	7
22	RNF8 promotes high linear energy transfer carbon-ion-induced DNA double-stranded break repair in serum-starved human cells. DNA Repair, 2020, 91-92, 102872.	1.3	2
23	Canonical DNA non-homologous end-joining; capacity versus fidelity. British Journal of Radiology, 2020, 93, 20190966.	1.0	24
24	Radiosensitivity Differences between EGFR Mutant and Wild-Type Lung Cancer Cells are Larger at Lower Doses. International Journal of Molecular Sciences, 2019, 20, 3635.	1.8	22
25	Combination of Anti-Cancer Drugs with Molecular Chaperone Inhibitors. International Journal of Molecular Sciences, 2019, 20, 5284.	1.8	43
26	Regulation of programmed deathâ€ligand 1 expression in response to <scp>DNA</scp> damage in cancer cells: Implications for precision medicine. Cancer Science, 2019, 110, 3415-3423.	1.7	42
27	Deep learning-assisted literature mining for in vitro radiosensitivity data. Radiotherapy and Oncology, 2019, 139, 87-93.	0.3	7
28	FGFR Signaling as a Candidate Therapeutic Target for Cancers Resistant to Carbon Ion Radiotherapy. International Journal of Molecular Sciences, 2019, 20, 4563.	1.8	12
29	Robustness of Clonogenic Assays as a Biomarker for Cancer Cell Radiosensitivity. International Journal of Molecular Sciences, 2019, 20, 4148.	1.8	33
30	Novel Approaches to Improve the Efficacy of Immuno-Radiotherapy. Frontiers in Oncology, 2019, 9, 156.	1.3	119
31	Base excision repair regulates PD-L1 expression in cancer cells. Oncogene, 2019, 38, 4452-4466.	2.6	70
32	A historical reflection on our understanding of radiation-induced DNA double strand break repair in somatic mammalian cells; interfacing the past with the present. International Journal of Radiation Biology, 2019, 95, 945-956.	1.0	31
33	Clustered DNA double-strand break formation and the repair pathway following heavy-ion irradiation. Journal of Radiation Research, 2019, 60, 69-79.	0.8	67
34	p53 deficiency augments nucleolar instability after ionizing irradiation. Oncology Reports, 2019, 42, 2293-2302.	1.2	4
35	8.2.2ã€€DNA Damage and Repair by Particle Beam. Radioisotopes, 2019, 68, 693-700.	0.1	0
36	Mutational analysis of uterine cervical cancer that survived multiple rounds of radiotherapy. Oncotarget, 2018, 9, 32642-32652.	0.8	16

#	Article	IF	Citations
37	Human Rad52 Promotes XPG-Mediated R-loop Processing to Initiate Transcription-Associated Homologous Recombination Repair. Cell, 2018, 175, 558-570.e11.	13.5	229
38	ATM: Its Recruitment, Activation, Signalling and Contribution to Tumour Suppression. Cancer Drug Discovery and Development, 2018, , 129-154.	0.2	0
39	The pendulum of the Ku-Ku clock. DNA Repair, 2018, 71, 164-171.	1.3	52
40	Analysis of programmed death-ligand 1 expression in primary normal human dermal fibroblasts after DNA damage. Human Immunology, 2018, 79, 627-631.	1.2	6
41	Mitotic catastrophe is a putative mechanism underlying the weak correlation between sensitivity to carbon ions and cisplatin. Scientific Reports, 2017, 7, 40588.	1.6	29
42	DNA Double-Strand Break Resection Occurs during Non-homologous End Joining in G1 but Is Distinct from Resection during Homologous Recombination. Molecular Cell, 2017, 65, 671-684.e5.	4.5	184
43	BRCA1 Directs the Repair Pathway to Homologous Recombination by Promoting 53BP1 Dephosphorylation. Cell Reports, 2017, 18, 520-532.	2.9	136
44	Regulation of pairing between broken DNA-containing chromatin regions by Ku80, DNA-PKcs, ATM, and 53BP1. Scientific Reports, 2017, 7, 41812.	1.6	15
45	Aquarius is required for proper CtIP expression and homologous recombination repair. Scientific Reports, 2017, 7, 13808.	1.6	30
46	Molecular Mechanism of PD-L1 Upregulation in Cancer Cells after X-Ray Irradiation. International Journal of Radiation Oncology Biology Physics, 2017, 99, S163.	0.4	0
47	Regulation of repair pathway choice at two-ended DNA double-strand breaks. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2017, 803-805, 51-55.	0.4	141
48	One-step Protocol for Evaluation of the Mode of Radiation-induced Clonogenic Cell Death by Fluorescence Microscopy. Journal of Visualized Experiments, 2017, , .	0.2	12
49	DNA double-strand break repair pathway regulates PD-L1 expression in cancer cells. Nature Communications, 2017, 8, 1751.	5.8	497
50	Inhibition of the HDAC/Suv39/G9a pathway restores the expression of DNA damage-dependent major histocompatibility complex class I-related chain A and B in cancer cells. Oncology Reports, 2017, 38, 693-702.	1.2	25
51	3D-structured illumination microscopy reveals clustered DNA double-strand break formation in widespread Î³H2AX foci after high LET heavy-ion particle radiation. Oncotarget, 2017, 8, 109370-109381.	0.8	51
52	Identification of DNA double strand breaks at chromosome boundaries along the track of particle irradiation. Genes Chromosomes and Cancer, 2016, 55, 650-660.	1.5	11
53	Visualization of complex DNA double-strand breaks in a tumor treated with carbon ion radiotherapy. Scientific Reports, 2016, 6, 22275.	1.6	49
54	RAD51 and BRCA2 Enhance Oncolytic Adenovirus Type 5 Activity in Ovarian Cancer. Molecular Cancer Research, 2016, 14, 44-55.	1.5	15

#	Article	IF	Citations
55	The EGFR mutation status affects the relative biological effectiveness of carbon-ion beams in non-small cell lung carcinoma cells. Scientific Reports, 2015, 5, 11305.	1.6	29
56	Pre-Exposure to Ionizing Radiation Stimulates DNA Double Strand Break End Resection, Promoting the Use of Homologous Recombination Repair. PLoS ONE, 2015, 10, e0122582.	1.1	13
57	Carbon-ion beams effectively induce growth inhibition and apoptosis in human neural stem cells compared with glioblastoma A172 cells. Journal of Radiation Research, 2015, 56, 856-861.	0.8	15
58	SETDB1, HP1 and SUV39 promote repositioning of 53BP1 to extend resection during homologous recombination in G2 cells. Nucleic Acids Research, 2015, 43, 7931-7944.	6.5	69
59	Other Determinants of Sensitivity. Cancer Drug Discovery and Development, 2015, , 363-379.	0.2	0
60	Carbon-Ion Beam Irradiation Kills X-Ray-Resistant p53-Null Cancer Cells by Inducing Mitotic Catastrophe. PLoS ONE, 2014, 9, e115121.	1.1	37
61	DNA Double-Strand Break Repair Pathway Choice Is Directed by Distinct MRE11 Nuclease Activities. Molecular Cell, 2014, 53, 7-18.	4.5	466
62	DNA Double-Strand Break Repair Pathway Choice Is Directed by Distinct MRE11 Nuclease Activities. Molecular Cell, 2014, 53, 361.	4.5	7
63	Opposing roles for 53BP1 during homologous recombination. Nucleic Acids Research, 2013, 41, 9719-9731.	6.5	74
64	Co-operation of BRCA1 and POH1 relieves the barriers posed by 53BP1 and RAP80 to resection. Nucleic Acids Research, 2013, 41, 10298-10311.	6.5	99
65	Visualisation of Î³H2AX Foci Caused by Heavy Ion Particle Traversal; Distinction between Core Track versus Non-Track Damage. PLoS ONE, 2013, 8, e70107.	1.1	68
66	Factors determining DNA double-strand break repair pathway choice in G2 phase. EMBO Journal, 2011, 30, 1079-1092.	3.5	381
67	Endogenously induced DNA double strand breaks arise in heterochromatic DNA regions and require ataxia telangiectasia mutated and Artemis for their repair. Nucleic Acids Research, 2011, 39, 6986-6997.	6.5	111
68	Analysis of Human Syndromes with Disordered Chromatin Reveals the Impact of Heterochromatin on the Efficacy of ATM-Dependent G₂/M Checkpoint Arrest. Molecular and Cellular Biology, 2011, 31, 4022-4035.	1.1	32
69	Genomic DNA damage and ATR-Chk1 signaling determine oncolytic adenoviral efficacy in human ovarian cancer cells. Journal of Clinical Investigation, 2011, 121, 1283-1297.	3.9	25
70	53BP1-dependent robust localized KAP-1 phosphorylation is essential for heterochromatic DNA double-strand break repair. Nature Cell Biology, 2010, 12, 177-184.	4.6	289
71	Sensitization to Radiation and Alkylating Agents by Inhibitors of Poly(ADP-ribose) Polymerase Is Enhanced in Cells Deficient in DNA Double-Strand Break Repair. Molecular Cancer Therapeutics, 2010, 9, 1775-1787.	1.9	118
72	Role of ATM and the Damage Response Mediator Proteins 53BP1 and MDC1 in the Maintenance of G₂/M Checkpoint Arrest. Molecular and Cellular Biology, 2010, 30, 3371-3383.	1.1	97

#	Article	IF	Citations
73	Î³H2AX foci analysis for monitoring DNA double-strand break repair: Strengths, limitations and optimization. Cell Cycle, 2010, 9, 662-669.	1.3	545
74	Abstract 591: Host cell DNA damage and inflammation responses determine oncolytic adenovirus efficacy in ovarian cancer. , 2010, , .		0
75	Role of Parp-1 in suppressing spontaneous deletion mutation in the liver and brain of mice at adolescence and advanced age. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 664, 20-27.	0.4	20
76	ATM and Artemis promote homologous recombination of radiation-induced DNA double-strand breaks in G2. EMBO Journal, 2009, 28, 3413-3427.	3.5	457
77	Differential involvement of phosphatidylinositol 3-kinase-related protein kinases in hyperphosphorylation of replication protein A2 in response to replication-mediated DNA double-strand breaks. Genes To Cells, 2006, 11, 237-246.	0.5	35
78	Parp-1 deficiency causes an increase of deletion mutations and insertions/rearrangements in vivo after treatment with an alkylating agent. Oncogene, 2005, 24, 1328-1337.	2.6	59
79	Efficient method for mapping and characterizing structures of deletion mutations ingpt delta mice using Southern blot analysis with oligo DNA probes. Environmental and Molecular Mutagenesis, 2004, 43, 204-207.	0.9	3