

# Gaorav P Gupta

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

10,255  
citations

304368

22  
h-index

301761

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

15246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism, cellular functions and cancer roles of polymerase-theta-mediated DNA end joining. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 125-140.	16.1	84
2	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
3	Introduction: Progress Towards Genomically-directed Radiosensitization. <i>Seminars in Radiation Oncology</i> , 2022, 32, 1-2.	1.0	1
4	Immune-Mediated Effects of Microplanar Radiotherapy with a Small Animal Irradiator. <i>Cancers</i> , 2022, 14, 155.	1.7	7
5	A comprehensive comparison on cell-type composition inference for spatial transcriptomics data. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	15
6	Increasing Nonresearch-Related Industry Funding in Radiation Oncology: Cause for Concern?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 26-28.	0.4	1
7	The Role of Intraoperative Radiation in Early-stage Breast Cancer. <i>Clinical Breast Cancer</i> , 2021, 21, 103-111.	1.1	3
8	Marker-free quantification of repair pathway utilization at Cas9-induced double-strand breaks. <i>Nucleic Acids Research</i> , 2021, 49, 5095-5105.	6.5	14
9	TP53 mutations increase radioresistance in rhabdomyosarcoma and Ewing sarcoma. <i>British Journal of Cancer</i> , 2021, 125, 576-581.	2.9	26
10	Spatially Localized Immunotherapy: A Perfect Combination With Radiation Therapy?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 507-509.	0.4	1
11	Phase 1 trial of adavosertib (AZD1775) in combination with concurrent radiation and cisplatin for intermediate-risk and high-risk head and neck squamous cell carcinoma. <i>Cancer</i> , 2021, 127, 4447-4454.	2.0	19
12	Prognostic and Predictive Clinical and Biological Factors in HPV Malignancies. <i>Seminars in Radiation Oncology</i> , 2021, 31, 309-323.	1.0	0
13	Dosimetric and Clinical Factors Associated With Breast Reconstruction Complications in Patients Receiving Postmastectomy Radiation. <i>Practical Radiation Oncology</i> , 2021, , .	1.1	1
14	PIK3CA Mutation in HPV-Associated OPSCC Patients Receiving Deintensified Chemoradiation. <i>Journal of the National Cancer Institute</i> , 2020, 112, 855-858.	3.0	46
15	Mechanistic basis for microhomology identification and genome scarring by polymerase theta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8476-8485.	3.3	96
16	BRCA1 Mutational Complementation Induces Synthetic Viability. <i>Molecular Cell</i> , 2020, 78, 951-959.e6.	4.5	41
17	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
18	Circulating Tumor DNA Biomarkers for Early Detection of Oligometastasis. <i>Cancer Journal (Sudbury, Tj)</i> ETQq0 0 0 rgBT/Overlock 10 Tf 5	0.0	15

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19	A P53-Independent DNA Damage Response Suppresses Oncogenic Proliferation and Genome Instability. <i>Cell Reports</i> , 2020, 30, 1385-1399.e7.	2.9	29
20	Use of Spiked Normalizers to More Precisely Quantify Tumor Markers and Viral Genomes by Massive Parallel Sequencing of Plasma DNA. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 437-446.	1.2	2
21	B cell-derived IL35 Drives STAT3-Dependent CD8+ T-cell Exclusion in Pancreatic Cancer. <i>Cancer Immunology Research</i> , 2020, 8, 292-308.	1.6	62
22	Plasma Circulating Tumor HPV DNA for the Surveillance of Cancer Recurrence in HPV-Associated Oropharyngeal Cancer. <i>Journal of Clinical Oncology</i> , 2020, 38, 1050-1058.	0.8	219
23	Breast conservation therapy versus mastectomy for breast cancer. <i>Lancet Oncology</i> , The, 2020, 21, 492-493.	5.1	6
24	Dual inhibition of DNA-PK and DNA polymerase theta overcomes radiation resistance induced by p53 deficiency. <i>NAR Cancer</i> , 2020, 2, zcaa038.	1.6	18
25	Genetic determinants of cellular addiction to DNA polymerase theta. <i>Nature Communications</i> , 2019, 10, 4286.	5.8	106
26	Rapid Clearance Profile of Plasma Circulating Tumor HPV Type 16 DNA during Chemoradiotherapy Correlates with Disease Control in HPV-Associated Oropharyngeal Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 4682-4690.	3.2	195
27	Evidence that the human cell cycle is a series of uncoupled, memoryless phases. <i>Molecular Systems Biology</i> , 2019, 15, e8604.	3.2	78
28	Mastectomy May Be an Inferior Oncologic Approach Compared to Breast Preservation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 78-80.	0.4	11
29	Tracking plasma DNA mutation dynamics in estrogen receptor positive metastatic breast cancer with dPCR-SEQ. <i>Npj Breast Cancer</i> , 2018, 4, 39.	2.3	18
30	BRCA1 Mutation-Specific Responses to 53BP1 Loss-Induced Homologous Recombination and PARP Inhibitor Resistance. <i>Cell Reports</i> , 2018, 24, 3513-3527.e7.	2.9	61
31	Integrated RNA and DNA sequencing reveals early drivers of metastatic breast cancer. <i>Journal of Clinical Investigation</i> , 2018, 128, 1371-1383.	3.9	126
32	Essential Roles for Polymerase $\theta$ -Mediated End Joining in the Repair of Chromosome Breaks. <i>Molecular Cell</i> , 2016, 63, 662-673.	4.5	229
33	The Mre11 Complex Suppresses Oncogene-Driven Breast Tumorigenesis and Metastasis. <i>Molecular Cell</i> , 2013, 52, 353-365.	4.5	46
34	<i>CD44</i> genes mediate tumor reinitiation during breast cancer lung metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19506-19511.	3.3	238
35	Lung metastasis genes couple breast tumor size and metastatic spread. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6740-6745.	3.3	331
36	Mediators of vascular remodelling co-opted for sequential steps in lung metastasis. <i>Nature</i> , 2007, 446, 765-770.	13.7	629

#	ARTICLE	IF	CITATIONS
37	Cancer Metastasis: Building a Framework. Cell, 2006, 127, 679-695.	13.5	3,702
38	Genes that mediate breast cancer metastasis to lung. Nature, 2005, 436, 518-524.	13.7	2,581
39	Breast cancer bone metastasis mediated by the Smad tumor suppressor pathway. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13909-13914.	3.3	500
40	Distinct organ-specific metastatic potential of individual breast cancer cells and primary tumors. Journal of Clinical Investigation, 2005, 115, 44-55.	3.9	606
41	Platelets and metastasis revisited: a novel fatty link. Journal of Clinical Investigation, 2004, 114, 1691-1693.	3.9	55