

Gopakumar V Iyer

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

14,536
citations

87843

38
h-index

42364

92
g-index

107
all docs

107
docs citations

107
times ranked

21312
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor mutational load predicts survival after immunotherapy across multiple cancer types. <i>Nature Genetics</i> , 2019, 51, 202-206.	9.4	2,702
2	Mutational landscape of metastatic cancer revealed from prospective clinical sequencing of 10,000 patients. <i>Nature Medicine</i> , 2017, 23, 703-713.	15.2	2,473
3	OncoKB: A Precision Oncology Knowledge Base. <i>JCO Precision Oncology</i> , 2017, 2017, 1-16.	1.5	1,266
4	Intrinsic subtypes of high-grade bladder cancer reflect the hallmarks of breast cancer biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3110-3115.	3.3	736
5	Genome Sequencing Identifies a Basis for Everolimus Sensitivity. <i>Science</i> , 2012, 338, 221-221.	6.0	681
6	HER kinase inhibition in patients with HER2- and HER3-mutant cancers. <i>Nature</i> , 2018, 554, 189-194.	13.7	572
7	Somatic <i>ERCC2</i> Mutations Correlate with Cisplatin Sensitivity in Muscle-Invasive Urothelial Carcinoma. <i>Cancer Discovery</i> , 2014, 4, 1140-1153.	7.7	506
8	Convergent loss of PTEN leads to clinical resistance to a PI(3)K inhibitor. <i>Nature</i> , 2015, 518, 240-244.	13.7	486
9	Genome doubling shapes the evolution and prognosis of advanced cancers. <i>Nature Genetics</i> , 2018, 50, 1189-1195.	9.4	411
10	Alterations in DNA Damage Response and Repair Genes as Potential Marker of Clinical Benefit From PD-1/PD-L1 Blockade in Advanced Urothelial Cancers. <i>Journal of Clinical Oncology</i> , 2018, 36, 1685-1694.	0.8	399
11	Prevalence and Co-Occurrence of Actionable Genomic Alterations in High-Grade Bladder Cancer. <i>Journal of Clinical Oncology</i> , 2013, 31, 3133-3140.	0.8	282
12	Next-generation Sequencing of Nonmuscle Invasive Bladder Cancer Reveals Potential Biomarkers and Rational Therapeutic Targets. <i>European Urology</i> , 2017, 72, 952-959.	0.9	263
13	Contribution of systemic and somatic factors to clinical response and resistance to PD-L1 blockade in urothelial cancer: An exploratory multi-omic analysis. <i>PLoS Medicine</i> , 2017, 14, e1002309.	3.9	256
14	Genomic Characterization of Upper Tract Urothelial Carcinoma. <i>European Urology</i> , 2015, 68, 970-977.	0.9	202
15	BRAF Mutation is associated with early stage disease and improved outcome in patients with low-grade serous ovarian cancer. <i>Cancer</i> , 2013, 119, 548-554.	2.0	169
16	Clonal Relatedness and Mutational Differences between Upper Tract and Bladder Urothelial Carcinoma. <i>Clinical Cancer Research</i> , 2019, 25, 967-976.	3.2	164
17	Phase II study of everolimus in metastatic urothelial cancer. <i>BJU International</i> , 2013, 112, 462-470.	1.3	153
18	Genetic Determinants of Cisplatin Resistance in Patients With Advanced Germ Cell Tumors. <i>Journal of Clinical Oncology</i> , 2016, 34, 4000-4007.	0.8	147

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19	Frequent somatic CDH1 loss-of-function mutations in plasmacytoid variant bladder cancer. <i>Nature Genetics</i> , 2016, 48, 356-358.	9.4	143
20	Genomic Predictors of Survival in Patients with High-grade Urothelial Carcinoma of the Bladder. <i>European Urology</i> , 2015, 67, 198-201.	0.9	122
21	Synthetic Lethality in ATM-Deficient <i>RAD50</i> -Mutant Tumors Underlies Outlier Response to Cancer Therapy. <i>Cancer Discovery</i> , 2014, 4, 1014-1021.	7.7	114
22	Multicenter Prospective Phase II Trial of Neoadjuvant Dose-Dense Gemcitabine Plus Cisplatin in Patients With Muscle-Invasive Bladder Cancer. <i>Journal of Clinical Oncology</i> , 2018, 36, 1949-1956.	0.8	110
23	<i>ERCC2</i> Helicase Domain Mutations Confer Nucleotide Excision Repair Deficiency and Drive Cisplatin Sensitivity in Muscle-Invasive Bladder Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 977-988.	3.2	104
24	Genomic Differences Between "Primary" and "Secondary" Muscle-invasive Bladder Cancer as a Basis for Disparate Outcomes to Cisplatin-based Neoadjuvant Chemotherapy. <i>European Urology</i> , 2019, 75, 231-239.	0.9	104
25	Mutational patterns in chemotherapy resistant muscle-invasive bladder cancer. <i>Nature Communications</i> , 2017, 8, 2193.	5.8	99
26	Presence of Somatic Mutations within <i>PIK3CA</i> , <i>AKT</i> , <i>RAS</i> , and <i>FGFR3</i> but not <i>BRAF</i> in Cisplatin-Resistant Germ Cell Tumors. <i>Clinical Cancer Research</i> , 2014, 20, 3712-3720.	3.2	88
27	Extreme Outlier Analysis Identifies Occult Mitogen-Activated Protein Kinase Pathway Mutations in Patients With Low-Grade Serous Ovarian Cancer. <i>Journal of Clinical Oncology</i> , 2015, 33, 4099-4105.	0.8	88
28	Small-Cell Carcinomas of the Bladder and Lung Are Characterized by a Convergent but Distinct Pathogenesis. <i>Clinical Cancer Research</i> , 2018, 24, 1965-1973.	3.2	85
29	Bevacizumab Shows Activity in Patients With Low-Grade Serous Ovarian and Primary Peritoneal Cancer. <i>International Journal of Gynecological Cancer</i> , 2014, 24, 1010-1014.	1.2	75
30	Somatic mutation of fibroblast growth factor receptor-3 (<i>FGFR3</i>) defines a distinct morphological subtype of high-grade urothelial carcinoma. <i>Journal of Pathology</i> , 2011, 224, 270-279.	2.1	73
31	Urachal Carcinoma Shares Genomic Alterations with Colorectal Carcinoma and May Respond to Epidermal Growth Factor Inhibition. <i>European Urology</i> , 2016, 70, 771-775.	0.9	69
32	Enhanced specificity of clinical high-sensitivity tumor mutation profiling in cell-free DNA via paired normal sequencing using MSK-ACCESS. <i>Nature Communications</i> , 2021, 12, 3770.	5.8	68
33	Cancer Susceptibility Mutations in Patients With Urothelial Malignancies. <i>Journal of Clinical Oncology</i> , 2020, 38, 406-414.	0.8	60
34	PD-L1 Expression in Urothelial Carcinoma With Predominant or Pure Variant Histology. <i>American Journal of Surgical Pathology</i> , 2019, 43, 920-927.	2.1	59
35	Fibroblast growth factor receptor-3 in urothelial tumorigenesis. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2013, 31, 303-311.	0.8	55
36	LAG-3 expression on peripheral blood cells identifies patients with poorer outcomes after immune checkpoint blockade. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	54

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37	OncoTree: A Cancer Classification System for Precision Oncology. <i>JCO Clinical Cancer Informatics</i> , 2021, 5, 221-230.	1.0	51
38	Genomic characterization of response to chemoradiation in urothelial bladder cancer. <i>Cancer</i> , 2016, 122, 3715-3723.	2.0	50
39	Neoadjuvant Atezolizumab With Gemcitabine and Cisplatin in Patients With Muscle-Invasive Bladder Cancer: A Multicenter, Single-Arm, Phase II Trial. <i>Journal of Clinical Oncology</i> , 2022, 40, 1312-1322.	0.8	42
40	Genomic landscape of inverted urothelial papilloma and urothelial papilloma of the bladder. <i>Journal of Pathology</i> , 2019, 248, 260-265.	2.1	37
41	Modeling biological and genetic diversity in upper tract urothelial carcinoma with patient derived xenografts. <i>Nature Communications</i> , 2020, 11, 1975.	5.8	37
42	Neoantigen-specific CD8 T cell responses in the peripheral blood following PD-L1 blockade might predict therapy outcome in metastatic urothelial carcinoma. <i>Nature Communications</i> , 2022, 13, 1935.	5.8	37
43	The Safety and Efficacy of Single-Agent Pemetrexed in Platinum-Resistant Advanced Urothelial Carcinoma: A Large Single-Institution Experience. <i>Oncologist</i> , 2015, 20, 508-515.	1.9	36
44	Genomic Biomarkers for the Prediction of Stage and Prognosis of Upper Tract Urothelial Carcinoma. <i>Journal of Urology</i> , 2016, 195, 1684-1689.	0.2	36
45	Activity of M3814, an Oral DNA-PK Inhibitor, In Combination with Topoisomerase II Inhibitors in Ovarian Cancer Models. <i>Scientific Reports</i> , 2019, 9, 18882.	1.6	33
46	Neoadjuvant Gemcitabine-Cisplatin Plus Radical Cystectomy-Pelvic Lymph Node Dissection for Muscle-invasive Bladder Cancer: A 12-year Experience. <i>Clinical Genitourinary Cancer</i> , 2020, 18, 387-394.	0.9	32
47	A phase I trial of docetaxel and pulse-dose 17-allylamino-17-demethoxygeldanamycin in adult patients with solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2012, 69, 1089-1097.	1.1	30
48	Prognostic Value of TERT Alterations, Mutational and Copy Number Alterations Burden in Urothelial Carcinoma. <i>European Urology Focus</i> , 2019, 5, 201-204.	1.6	30
49	Genomic Characterization of Upper-Tract Urothelial Carcinoma in Patients With Lynch Syndrome. <i>JCO Precision Oncology</i> , 2018, 2018, 1-13.	1.5	29
50	Intratumoral heterogeneity of ERBB2 amplification and HER2 expression in micropapillary urothelial carcinoma. <i>Human Pathology</i> , 2018, 77, 63-69.	1.1	27
51	Lysis-independent potentiation of immune checkpoint blockade by oncolytic virus. <i>Oncotarget</i> , 2018, 9, 28702-28716.	0.8	27
52	Updates on the Genetics and Molecular Subtypes of Urothelial Carcinoma and Select Variants. <i>Surgical Pathology Clinics</i> , 2018, 11, 713-723.	0.7	26
53	Lessons from the Study of Exceptional Responders. <i>Cancer Cell</i> , 2021, 39, 11-13.	7.7	26
54	Tumor fraction-guided cell-free DNA profiling in metastatic solid tumor patients. <i>Genome Medicine</i> , 2021, 13, 96.	3.6	26

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55	DNA copy number analysis of metastatic urothelial carcinoma with comparison to primary tumors. <i>BMC Cancer</i> , 2015, 15, 242.	1.1	25
56	Phase II Clinical Trial of Everolimus in a Pan-Cancer Cohort of Patients with mTOR Pathway Alterations. <i>Clinical Cancer Research</i> , 2021, 27, 3845-3853.	3.2	25
57	MRE11 as a Predictive Biomarker of Outcome After Radiation Therapy in Bladder Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 809-818.	0.4	23
58	Fibroblast Growth Factor Receptor 3 Alteration Status is Associated with Differential Sensitivity to Platinum-based Chemotherapy in Locally Advanced and Metastatic Urothelial Carcinoma. <i>European Urology</i> , 2020, 78, 907-915.	0.9	21
59	Genomic Profile of Urothelial Carcinoma of the Upper Tract from Ureteroscopic Biopsy: Feasibility and Validation Using Matched Radical Nephroureterectomy Specimens. <i>European Urology Focus</i> , 2019, 5, 365-368.	1.6	20
60	The Genitourinary Pathology Society Update on Classification of Variant Histologies, T1 Substaging, Molecular Taxonomy, and Immunotherapy and PD-L1 Testing Implications of Urothelial Cancers. <i>Advances in Anatomic Pathology</i> , 2021, 28, 196-208.	2.4	20
61	Durable response to anti-PD-1 immunotherapy in epithelioid angiomyolipoma: a report on the successful treatment of a rare malignancy. , 2018, 6, 97.		19
62	Identification of a Synthetic Lethal Relationship between Nucleotide Excision Repair Deficiency and Irofulven Sensitivity in Urothelial Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 2011-2022.	3.2	19
63	Novel strategies for treating relapsed/refractory urothelial carcinoma. <i>Expert Review of Anticancer Therapy</i> , 2010, 10, 1917-1932.	1.1	16
64	Low-Grade Serous Ovarian Cancer: Current Treatment Paradigms and Future Directions. <i>Current Treatment Options in Oncology</i> , 2018, 19, 54.	1.3	16
65	ARF Confers a Context-Dependent Response to Chemotherapy in Muscle-Invasive Bladder Cancer. <i>Cancer Research</i> , 2017, 77, 1035-1046.	0.4	15
66	Targeting Germline- and Tumor-Associated Nucleotide Excision Repair Defects in Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 1997-2010.	3.2	15
67	Targeted Therapy in Advanced Bladder Cancer. <i>Urologic Clinics of North America</i> , 2015, 42, 253-262.	0.8	14
68	A phase 2 trial of buparlisib in patients with platinum-resistant metastatic urothelial carcinoma. <i>Cancer</i> , 2020, 126, 4532-4544.	2.0	14
69	Treatment of Metastatic Extramammary Paget Disease with Combination Ipilimumab and Nivolumab: A Case Report. <i>Case Reports in Oncology</i> , 2021, 14, 430-438.	0.3	14
70	Natural history, response to systemic therapy, and genomic landscape of plasmacytoid urothelial carcinoma. <i>British Journal of Cancer</i> , 2021, 124, 1214-1221.	2.9	14
71	Tumor Inhibition by Enzalutamide in a Xenograft Model of Ovarian Cancer. <i>Cancer Investigation</i> , 2016, 34, 517-520.	0.6	12
72	Activating mutation of <i>PDGFRB</i> gene in a rare cardiac undifferentiated intimal sarcoma of the left atrium: a case report. <i>Oncotarget</i> , 2017, 8, 81709-81716.	0.8	11

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73	A phase 1b dose expansion study of the pan-class I PI3K inhibitor buparlisib (BKM120) plus carboplatin and paclitaxel in PTEN deficient tumors and with dose intensified carboplatin and paclitaxel. <i>Investigational New Drugs</i> , 2017, 35, 742-750.	1.2	10
74	Pretreatment Eosinophil Counts in Patients With Advanced or Metastatic Urothelial Carcinoma Treated With Anti-PD-1/PD-L1 Checkpoint Inhibitors. <i>Journal of Immunotherapy</i> , 2021, 44, 248-253.	1.2	10
75	A phase II trial of durvalumab and tremelimumab in metastatic, nonurothelial carcinoma of the urinary tract. <i>Cancer Medicine</i> , 2021, 10, 1074-1083.	1.3	10
76	Germ Cell Tumor Molecular Heterogeneity Revealed Through Analysis of Primary and Metastasis Pairs. <i>JCO Precision Oncology</i> , 2020, 4, 1307-1320.	1.5	9
77	Pathological and oncological outcomes in patients with sarcomatoid differentiation undergoing cystectomy. <i>BJU International</i> , 2022, 129, 463-469.	1.3	9
78	Developing Precision Medicine for Bladder Cancer. <i>Hematology/Oncology Clinics of North America</i> , 2021, 35, 633-653.	0.9	9
79	Systemic therapy in bladder preservation. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2023, 41, 39-47.	0.8	8
80	Pre-clinical activity of the oral DNA-PK inhibitor, peposertib (M3814), combined with radiation in xenograft models of cervical cancer. <i>Scientific Reports</i> , 2022, 12, 974.	1.6	8
81	Incidence and Effect of Thromboembolic Events in Radical Cystectomy Patients Undergoing Preoperative Chemotherapy for Muscle-invasive Bladder Cancer. <i>Clinical Genitourinary Cancer</i> , 2018, 16, e113-e120.	0.9	7
82	Clinical and Genomic Characterization of Bladder Carcinomas With Glandular Phenotype. <i>JCO Precision Oncology</i> , 2022, , .	1.5	6
83	Novel biomarkers in bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2018, 36, 115-119.	0.8	5
84	Clinical and Morphologic Characteristics of Extracellular Signal-Regulated Kinase Inhibitor-Associated Retinopathy. <i>Ophthalmology Retina</i> , 2021, 5, 1187-1195.	1.2	5
85	Long-term Outcomes of Local and Metastatic Small Cell Carcinoma of the Urinary Bladder and Genomic Analysis of Patients Treated With Neoadjuvant Chemotherapy. <i>Clinical Genitourinary Cancer</i> , 2022, 20, 431-441.	0.9	5
86	Molecular Signature of Response to Pazopanib Salvage Therapy for Urothelial Carcinoma. <i>Clinical Genitourinary Cancer</i> , 2016, 14, e81-e90.	0.9	4
87	Emerging biomarkers in urothelial carcinoma: Challenges and opportunities. <i>Cancer Treatment and Research Communications</i> , 2020, 25, 100179.	0.7	4
88	Collaborating to Move Research Forward: Proceedings of the 10th Annual Bladder Cancer Think Tank. <i>Bladder Cancer</i> , 2016, 2, 203-213.	0.2	3
89	Genitourinary Medical Oncology Expert Opinion Survey Regarding Treatment Management in the COVID-19 Pandemic. <i>Clinical Genitourinary Cancer</i> , 2021, 19, e178-e183.	0.9	2
90	CD274 (PD-L1) Copy Number Changes (Gain) & Response to Immune Checkpoint Blockade Therapy in Carcinomas of the Urinary Tract. <i>Bladder Cancer</i> , 2021, 7, 1-6.	0.2	2

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91	Editorial Comment. Urology, 2017, 102, 147.	0.5	1
92	Intracellular Signaling. , 2014, , 22-39.e8.		1
93	Molecular Alterations in the Pathogenesis of Bladder Cancer Subtypes and Urothelial Carcinoma Variants. Molecular Pathology Library, 2018, , 65-83.	0.1	0
94	Lessons learned from exceptional responders. Expert Review of Precision Medicine and Drug Development, 2019, 4, 73-80.	0.4	0
95	Intracellular Signaling. , 2020, , 24-46.e12.		0
96	Re: Russell E.N. Becker, Alexa R. Meyer, Aaron Brant, et al. Clinical Restaging and Tumor Sequencing are Inaccurate Indicators of Response to Neoadjuvant Chemotherapy for Muscle-invasive Bladder Cancer. Eur Urol. In press. https://doi.org/10.1016/j.eururo.2020.07.016 . European Urology, 2021, 79, e56-e57.	0.9	0
97	CHEMOTHERAPY FOR CASTRATION-RESISTANT PROSTATE CANCER. , 2011, , 559-615.		0
98	New Molecular Markers with Diagnostic and Prognostic Values in Bladder Cancer. , 2015, , 235-246.		0
99	Genetic and Epigenetic Alterations in Urothelial Carcinoma. , 2015, , 253-259.		0
100	Exceptional Responders. , 2019, , 83-97.		0