

# Rakesh K Jain

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

634  
papers

114,211  
citations

155  
h-index

329  
g-index

717  
ext. papers

128,954  
ext. citations

12  
avg, IF

8.85  
L-index

#	Paper	IF	Citations
634	Strategies to minimize heterogeneity and optimize clinical trials in Acute Respiratory Distress Syndrome (ARDS): Insights from mathematical modelling.. <i>EBioMedicine</i> , <b>2022</b> , 75, 103809	8.8	1
633	Spatially defined enrichment of a neuronal-like malignant phenotype in pancreatic cancer after neoadjuvant treatment.. <i>Journal of Clinical Oncology</i> , <b>2022</b> , 40, 610-610	2.2	
632	Renin-angiotensin-aldosterone system inhibitors and survival in patients with hypertension treated with immune checkpoint inhibitors.. <i>European Journal of Cancer</i> , <b>2022</b> , 163, 108-118	7.5	4
631	Placental growth factor promotes tumour desmoplasia and treatment resistance in intrahepatic cholangiocarcinoma. <i>Gut</i> , <b>2022</b> , 71, 185-193	19.2	5
630	Impact of angiotensin-converting enzyme inhibitors (ACEi) on pathologic complete response with neoadjuvant chemotherapy (NAC) for muscle-invasive bladder cancer (MIBC).. <i>Journal of Clinical Oncology</i> , <b>2022</b> , 40, 485-485	2.2	
629	Gabrb3 endothelial cell-specific knockout mice display abnormal blood flow, hypertension, and behavioral dysfunction.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4922	4.9	1
628	Normalizing tumor microenvironment with nanomedicine and metronomic therapy to improve immunotherapy.. <i>Journal of Controlled Release</i> , <b>2022</b> ,	11.7	3
627	TAMI-05. FATTY ACID SYNTHESIS IS REQUIRED FOR HER2+ BREAST CANCER BRAIN METASTASIS. <i>Neuro-Oncology</i> , <b>2021</b> , 23, vi199-vi199	1	
626	DDRE-22. TARGETING SERINE SYNTHESIS IN BRAIN METASTASIS. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, i11-i11	0.9	78
625	Vascular Normalization to Improve Treatment of COVID-19: Lessons from Treatment of Cancer. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 2706-2711	12.9	0
624	Implications of a granulocyte-high glioblastoma microenvironment in immune suppression and therapy resistance. <i>Journal of Pathology</i> , <b>2021</b> , 254, 105-108	9.4	1
623	Combining losartan with radiotherapy increases tumor control and inhibits lung metastases from a HER2/neu-positive orthotopic breast cancer model. <i>Radiation Oncology</i> , <b>2021</b> , 16, 48	4.2	4
622	FATTY ACID SYNTHESIS IS REQUIRED FOR BREAST CANCER BRAIN METASTASIS. <i>Nature Cancer</i> , <b>2021</b> , 2, 414-428	15.4	31
621	Exercise Training Improves Tumor Control by Increasing CD8 T-cell Infiltration via CXCR3 Signaling and Sensitizes Breast Cancer to Immune Checkpoint Blockade. <i>Cancer Immunology Research</i> , <b>2021</b> , 9, 765-778	12.5	8
620	Angiotensin Blockade Modulates the Activity of PD1/L1 Inhibitors in Metastatic Urothelial Carcinoma. <i>Clinical Genitourinary Cancer</i> , <b>2021</b> ,	3.3	2
619	Targeting Treg cells with GITR activation alleviates resistance to immunotherapy in murine glioblastomas. <i>Nature Communications</i> , <b>2021</b> , 12, 2582	17.4	15
618	Comparing machine learning algorithms for predicting ICU admission and mortality in COVID-19. <i>Npj Digital Medicine</i> , <b>2021</b> , 4, 87	15.7	34

617	Bevacizumab improves tumor infiltration of mature dendritic cells and effector T-cells in triple-negative breast cancer patients. <i>Npj Precision Oncology</i> , <b>2021</b> , 5, 62	9.8	6
616	Resident Kupffer cells and neutrophils drive liver toxicity in cancer immunotherapy. <i>Science Immunology</i> , <b>2021</b> , 6,	28	9
615	The Current Landscape of Immune Checkpoint Blockade in Hepatocellular Carcinoma: A Review. <i>JAMA Oncology</i> , <b>2021</b> , 7, 113-123	13.4	77
614	Randomized Phase II and Biomarker Study of Pembrolizumab plus Bevacizumab versus Pembrolizumab Alone for Patients with Recurrent Glioblastoma. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 1048-1057	12.0	30
613	The use of elevated circulating hepatocyte growth factor (HGF) level as a potential prognostic biomarker in locally advanced pancreatic cancer.. <i>Journal of Clinical Oncology</i> , <b>2021</b> , 39, 429-429	2.2	1
612	In silico dynamics of COVID-19 phenotypes for optimizing clinical management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	14
611	Impact of angiotensin blockade on response to PD1/L1 inhibitors for patients with metastatic urothelial carcinoma (mUC).. <i>Journal of Clinical Oncology</i> , <b>2021</b> , 39, 453-453	2.2	1
610	Losartan prevents tumor-induced hearing loss and augments radiation efficacy in NF2 schwannoma rodent models. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	4
609	A metastasis map of human cancer cell lines. <i>Nature</i> , <b>2020</b> , 588, 331-336	50.4	76
608	Non-invasive monitoring of chronic liver disease via near-infrared and shortwave-infrared imaging of endogenous lipofuscin. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 801-813	19	14
607	Limited Environmental Serine and Glycine Confer Brain Metastasis Sensitivity to PHGDH Inhibition. <i>Cancer Discovery</i> , <b>2020</b> , 10, 1352-1373	24.4	62
606	Brain Metastasis Cell Lines Panel: A Public Resource of Organotropic Cell Lines. <i>Cancer Research</i> , <b>2020</b> , 80, 4314-4323	10.1	25
605	Improving cancer immunotherapy using nanomedicines: progress, opportunities and challenges. <i>Nature Reviews Clinical Oncology</i> , <b>2020</b> , 17, 251-266	19.4	196
604	Antibody-mediated delivery of viral epitopes to tumors harnesses CMV-specific T cells for cancer therapy. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 420-425	44.5	20
603	A framework for advancing our understanding of cancer-associated fibroblasts. <i>Nature Reviews Cancer</i> , <b>2020</b> , 20, 174-186	31.3	790
602	Combining microenvironment normalization strategies to improve cancer immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 3728-3737	11.5	86
601	NCOG-44. NEUROLOGIC ASSESSMENT IN NEURO-ONCOLOGY (NANO) SCALE IN A PHASE II STUDY OF PEMBROLIZUMAB OR PEMBROLIZUMAB PLUS BEVACIZUMAB IN PATIENTS WITH RECURRENT GLIOBLASTOMA. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii138-ii139	1	
600	CTIM-32. PHASE II AND BIOMARKER STUDY OF PEMBROLIZUMAB OR PEMBROLIZUMAB PLUS BEVACIZUMAB FOR RECURRENT GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii40-ii40	1	

599	TMOD-37. IN VIVO COMPRESSION AND IMAGING FOR CAUSAL STUDIES OF MECHANICAL FORCES IN THE BRAIN. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii235-ii236	1	
598	In silico dynamics of COVID-19 phenotypes for optimizing clinical management <b>2020</b> ,	2	
597	Vessel co-option in glioblastoma: emerging insights and opportunities. <i>Angiogenesis</i> , <b>2020</b> , 23, 9-16	10.6	49
596	CCR2 inhibition reduces tumor myeloid cells and unmasks a checkpoint inhibitor effect to slow progression of resistant murine gliomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 1129-1138	11.5	97
595	The blood-brain barrier and blood-tumour barrier in brain tumours and metastases. <i>Nature Reviews Cancer</i> , <b>2020</b> , 20, 26-41	31.3	395
594	NAD-mediated rescue of prenatal forebrain angiogenesis restores postnatal behavior. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	5
593	In vivo compression and imaging in mouse brain to measure the effects of solid stress. <i>Nature Protocols</i> , <b>2020</b> , 15, 2321-2340	18.8	8
592	Vascular dysfunction promotes regional hypoxia after bevacizumab therapy in recurrent glioblastoma patients. <i>Neuro-Oncology Advances</i> , <b>2020</b> , 2, vdaa157	0.9	2
591	Regorafenib combined with PD1 blockade increases CD8 T-cell infiltration by inducing CXCL10 expression in hepatocellular carcinoma <b>2020</b> , 8,		25
590	Normalizing the Tumor Microenvironment for Radiosensitization. <i>Cancer Drug Discovery and Development</i> , <b>2020</b> , 301-338	0.3	1
589	Physical traits of cancer. <i>Science</i> , <b>2020</b> , 370,	33.3	128
588	A bilateral tumor model identifies transcriptional programs associated with patient response to immune checkpoint blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 23684-23694	11.5	8
587	Tumor Microenvironment: Vascular and Extravascular Compartment <b>2020</b> , 108-126.e7		2
586	A phase II study of cabozantinib alone or in combination with trastuzumab in breast cancer patients with brain metastases. <i>Breast Cancer Research and Treatment</i> , <b>2020</b> , 179, 113-123	4.4	9
585	Bevacizumab Reduces Permeability and Concurrent Temozolomide Delivery in a Subset of Patients with Recurrent Glioblastoma. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 206-212	12.9	27
584	Dual Programmed Death Receptor-1 and Vascular Endothelial Growth Factor Receptor-2 Blockade Promotes Vascular Normalization and Enhances Antitumor Immune Responses in Hepatocellular Carcinoma. <i>Hepatology</i> , <b>2020</b> , 71, 1247-1261	11.2	111
583	BSCI-09. MECHANISMS OF ENHANCED DRUG DELIVERY IN BRAIN METASTASES WITH FOCUSED ULTRASOUND-INDUCED BLOOD-TUMOR BARRIER DISRUPTION. <i>Neuro-Oncology Advances</i> , <b>2019</b> , 1, i2-i2 <sup>0.9</sup>		78
582	Effect of Aflibercept Plus Modified FOLFOX6 Induction Chemotherapy Before Standard Chemoradiotherapy and Surgery in Patients With High-Risk Rectal Adenocarcinoma: The GEMCAD 1402 Randomized Clinical Trial. <i>JAMA Oncology</i> , <b>2019</b> , 5, 1566-1573	13.4	17

581	Blocking CXCR4 alleviates desmoplasia, increases T-lymphocyte infiltration, and improves immunotherapy in metastatic breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4558-4566	11.5	156
580	Experimental and computational analyses reveal dynamics of tumor vessel cooption and optimal treatment strategies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2662-2671	11.5	46
579	Total Neoadjuvant Therapy With FOLFIRINOX in Combination With Losartan Followed by Chemoradiotherapy for Locally Advanced Pancreatic Cancer: A Phase 2 Clinical Trial. <i>JAMA Oncology</i> , <b>2019</b> , 5, 1020-1027	13.4	205
578	Reprogramming the Tumor Microenvironment to Improve Immunotherapy: Emerging Strategies and Combination Therapies. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , <b>2019</b> , 39, 165-174	7.1	77
577	Increasing the penetration depth of temporal focusing multiphoton microscopy for neurobiological applications. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 264001	3	7
576	Role of Apelin in Glioblastoma Vascularization and Invasion after Anti-VEGF Therapy: What Is the Impact on the Immune System?. <i>Cancer Research</i> , <b>2019</b> , 79, 2104-2106	10.1	9
575	Reprogramming the microenvironment with tumor-selective angiotensin blockers enhances cancer immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10674-10680	11.5	89
574	FOLFOX plus ziv-aflibercept or placebo in first-line metastatic esophagogastric adenocarcinoma: A double-blind, randomized, multicenter phase 2 trial. <i>Cancer</i> , <b>2019</b> , 125, 2213-2221	6.4	6
573	Retraction Note: A homing system targets therapeutic T cells to brain cancer. <i>Nature</i> , <b>2019</b> , 567, 132	50.4	1
572	Normalizing Function of Tumor Vessels: Progress, Opportunities, and Challenges. <i>Annual Review of Physiology</i> , <b>2019</b> , 81, 505-534	23.1	174
571	Vascular regulation of antitumor immunity. <i>Science</i> , <b>2019</b> , 365, 544-545	33.3	72
570	BSCI-10. NEUROLOGICAL DYSFUNCTION CAUSED BY BRAIN TUMOR-GENERATED SOLID STRESS IS REVERSED BY LITHIUM. <i>Neuro-Oncology Advances</i> , <b>2019</b> , 1, i2-i3	0.9	78
569	IMMU-05. DISRUPTION OF THE CCR2 CHEMOKINE RECEPTOR PATHWAY OVERCOMES THERAPEUTIC RESISTANCE TO PD-1 BLOCKADE IN MALIGNANT GLIOMA. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi119-vi120	1	78
568	A Phase II and Biomarker Study of Sorafenib Combined with Modified FOLFOX in Patients with Advanced Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 80-89	12.9	37
567	Chemotherapy elicits pro-metastatic extracellular vesicles in breast cancer models. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 190-202	23.4	239
566	Mapping Physical Tumor Microenvironment and Drug Delivery. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 2024-2026	12.9	20
565	Solid stress in brain tumours causes neuronal loss and neurological dysfunction and can be reversed by lithium. <i>Nature Biomedical Engineering</i> , <b>2019</b> , 3, 230-245	19	66
564	A cerebellopontine angle mouse model for the investigation of tumor biology, hearing, and neurological function in NF2-related vestibular schwannoma. <i>Nature Protocols</i> , <b>2019</b> , 14, 541-555	18.8	10

563	Dual endothelin receptor inhibition enhances T-DM1 efficacy in brain metastases from HER2-positive breast cancer. <i>Npj Breast Cancer</i> , <b>2019</b> , 5, 4	7.8	10
562	Losartan treatment enhances chemotherapy efficacy and reduces ascites in ovarian cancer models by normalizing the tumor stroma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2210-2219	11.5	99
561	Inducible Nitric Oxide Synthase and CD11bGr1 Cells Impair Lymphatic Contraction of Tumor-Draining Lymphatic Vessels. <i>Lymphatic Research and Biology</i> , <b>2019</b> , 17, 294-300	2.3	6
560	Targeting the cMET pathway augments radiation response without adverse effect on hearing in NF2 schwannoma models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E2077-E2084	11.5	18
559	Enhancing cancer immunotherapy using antiangiogenics: opportunities and challenges. <i>Nature Reviews Clinical Oncology</i> , <b>2018</b> , 15, 325-340	19.4	627
558	Functional Anti-TIGIT Antibodies Regulate Development of Autoimmunity and Antitumor Immunity. <i>Journal of Immunology</i> , <b>2018</b> , 200, 3000-3007	5.3	70
557	Quantifying solid stress and elastic energy from excised or in situ tumors. <i>Nature Protocols</i> , <b>2018</b> , 13, 1091-1105	18.8	43
556	Differential Association Between Circulating Lymphocyte Populations With Outcome After Radiation Therapy in Subtypes of Liver Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 101, 1222-1225	4	14
555	Understanding the tumor immune microenvironment (TIME) for effective therapy. <i>Nature Medicine</i> , <b>2018</b> , 24, 541-550	50.5	1772
554	A Glial Signature and Wnt7 Signaling Regulate Glioma-Vascular Interactions and Tumor Microenvironment. <i>Cancer Cell</i> , <b>2018</b> , 33, 874-889.e7	24.3	111
553	Shortwave infrared fluorescence imaging with the clinically approved near-infrared dye indocyanine green. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4465-4470	11.5	317
552	Phase 2 and biomarker study of trebananib, an angiopoietin-blocking peptibody, with and without bevacizumab for patients with recurrent glioblastoma. <i>Cancer</i> , <b>2018</b> , 124, 1438-1448	6.4	27
551	Endothelial cell-derived GABA signaling modulates neuronal migration and postnatal behavior. <i>Cell Research</i> , <b>2018</b> , 28, 221-248	24.7	43
550	Renin-Angiotensin System Inhibitors to Mitigate Cancer Treatment-Related Adverse Events. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 3803-3812	12.9	28
549	Reengineering the Physical Microenvironment of Tumors to Improve Drug Delivery and Efficacy: From Mathematical Modeling to Bench to Bedside. <i>Trends in Cancer</i> , <b>2018</b> , 4, 292-319	12.5	229
548	Obesity promotes resistance to anti-VEGF therapy in breast cancer by up-regulating IL-6 and potentially FGF-2. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	99
547	Reengineering the Tumor Vasculature: Improving Drug Delivery and Efficacy. <i>Trends in Cancer</i> , <b>2018</b> , 4, 258-259	12.5	49
546	Anti-VEGF treatment improves neurological function in tumors of the nervous system. <i>Experimental Neurology</i> , <b>2018</b> , 299, 326-333	5.7	13

545	MicroRNA-378 enhances radiation response in ectopic and orthotopic implantation models of glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2018</b> , 136, 63-71	4.8	15
544	Mechanisms of enhanced drug delivery in brain metastases with focused ultrasound-induced blood-tumor barrier disruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E8717-E8726	11.5	112
543	Potentially curative combination of TGF-b1 inhibitor losartan and FOLFIRINOX (FFX) for locally advanced pancreatic cancer (LAPC): R0 resection rates and preliminary survival data from a prospective phase II study.. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, 4116-4116	2.2	8
542	Smooth sailing for immunotherapy for unresectable stage III non-small cell lung cancer: the PACIFIC study. <i>Translational Cancer Research</i> , <b>2018</b> , 7, S16-S20	0.3	3
541	Angiotensin system inhibitors during induction chemotherapy for esophageal adenocarcinoma: Analysis of survival.. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, e16066-e16066	2.2	
540	A phase II study of cabozantinib (cabo) alone or in combination with trastuzumab (T) in patients (pts) with breast cancer brain metastases (BCBM).. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, 1026-1026	2.2	
539	Probing tumor microenvironment in patients with newly diagnosed glioblastoma during chemoradiation and adjuvant temozolomide with functional MRI. <i>Scientific Reports</i> , <b>2018</b> , 8, 17062	4.9	7
538	CADD-32. MECHANISMS OF ENHANCED DRUG DELIVERY IN BRAIN TUMORS WITH FOCUSED ULTRASOUND-INDUCED TRANSIENT BLOOD-TUMOR BARRIER DISRUPTION. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi281-vi281	1	78
537	A homing system targets therapeutic T cells to brain cancer. <i>Nature</i> , <b>2018</b> , 561, 331-337	50.4	30
536	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , <b>2018</b> , 21, 425-538	53.8	285
535	Phase I and Biomarker Study of Plerixafor and Bevacizumab in Recurrent High-Grade Glioma. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 4643-4649	12.9	21
534	Stress granule-associated protein G3BP2 regulates breast tumor initiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1033-1038	11.5	42
533	Antiangiogenic Therapy for Malignant Gliomas <b>2017</b> , 163-175		
532	New Directions in Anti-Angiogenic Therapy for Glioblastoma. <i>Neurotherapeutics</i> , <b>2017</b> , 14, 321-332	6.4	71
531	Overcoming sorafenib evasion in hepatocellular carcinoma using CXCR4-targeted nanoparticles to co-deliver MEK-inhibitors. <i>Scientific Reports</i> , <b>2017</b> , 7, 44123	4.9	43
530	Role of vascular normalization in benefit from metronomic chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1994-1999	11.5	97
529	A phase 2 and biomarker study of cabozantinib in patients with advanced cholangiocarcinoma. <i>Cancer</i> , <b>2017</b> , 123, 1979-1988	6.4	70
528	Next-generation optical imaging with short-wave infrared quantum dots. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1,	19	360

527	CD4 T Cell Activation and Vascular Normalization: Two Sides of the Same Coin?. <i>Immunity</i> , <b>2017</b> , 46, 773-785	33
526	Wide-field three-photon excitation in biological samples. <i>Light: Science and Applications</i> , <b>2017</b> , 6, e1625516.7	44
525	Effect of angiotensin system inhibitors on survival in newly diagnosed glioma patients and recurrent glioblastoma patients receiving chemotherapy and/or bevacizumab. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 134, 325-330	4.8 31
524	Emerging strategies for delivering antiangiogenic therapies to primary and metastatic brain tumors. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 119, 159-174	18.5 19
523	The brain microenvironment mediates resistance in luminal breast cancer to PI3K inhibition through HER3 activation. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5 60
522	Use of Angiotensin System Inhibitors Is Associated with Immune Activation and Longer Survival in Nonmetastatic Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 5959-5969	12.9 46
521	Use of inhibitors of the renin-angiotensin system is associated with longer survival in patients with hepatocellular carcinoma. <i>United European Gastroenterology Journal</i> , <b>2017</b> , 5, 987-996	5.3 33
520	A cerebellar window for intravital imaging of normal and disease states in mice. <i>Nature Protocols</i> , <b>2017</b> , 12, 2251-2262	18.8 15
519	Targeting the renin-angiotensin system to improve cancer treatment: Implications for immunotherapy. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5 150
518	Engineering and physical sciences in oncology: challenges and opportunities. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 659-675	31.3 153
517	YAP/TAZ Orchestrate VEGF Signaling during Developmental Angiogenesis. <i>Developmental Cell</i> , <b>2017</b> , 42, 462-478.e7	10.2 155
516	Targeting CXCR4-dependent immunosuppressive Ly6C monocytes improves antiangiogenic therapy in colorectal cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 10455-10460	11.5 67
515	Early changes in glioblastoma metabolism measured by MR spectroscopic imaging during combination of anti-angiogenic cediranib and chemoradiation therapy are associated with survival. <i>Npj Precision Oncology</i> , <b>2017</b> , 1,	9.8 8
514	Origins of lymphatic and distant metastases in human colorectal cancer. <i>Science</i> , <b>2017</b> , 357, 55-60	33.3 239
513	Antibody-based therapies for the treatment of brain metastases from HER2-positive breast cancer: time to rethink the importance of the BBB?. <i>Breast Cancer Research and Treatment</i> , <b>2017</b> , 165, 467-468	4.4 4
512	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 131, 603-610	4.8 47
511	Phase II and Biomarker Study of Cabozantinib in Metastatic Triple-Negative Breast Cancer Patients. <i>Oncologist</i> , <b>2017</b> , 22, 25-32	5.7 56
510	Effect of Angiotensin System Inhibitors on Survival in Patients Receiving Chemotherapy for Advanced Non-Small-Cell Lung Cancer. <i>Clinical Lung Cancer</i> , <b>2017</b> , 18, 189-197.e3	4.9 20

509	Ly6Clo monocytes drive immunosuppression and confer resistance to anti-VEGFR2 cancer therapy. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3039-3051	15.9	87
508	Secretory leukocyte protease inhibitor (SLPI) as a potential target for inhibiting metastasis of triple-negative breast cancers. <i>Oncotarget</i> , <b>2017</b> , 8, 108292-108302	3.3	11
507	Solid stress and elastic energy as measures of tumour mechanopathology. <i>Nature Biomedical Engineering</i> , <b>2016</b> , 1,	19	171
506	Closing the gap: astrocytes and brain metastasis. <i>Cell Research</i> , <b>2016</b> , 26, 973-4	24.7	5
505	Anti-VEGF therapy induces ECM remodeling and mechanical barriers to therapy in colorectal cancer liver metastases. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 360ra135	17.5	128
504	Improving treatment of liver metastases by targeting nonangiogenic mechanisms. <i>Nature Medicine</i> , <b>2016</b> , 22, 1209-1210	50.5	4
503	Noninvasive Assessment of Losartan-Induced Increase in Functional Microvasculature and Drug Delivery in Pancreatic Ductal Adenocarcinoma. <i>Translational Oncology</i> , <b>2016</b> , 9, 431-437	4.9	29
502	Obesity-Induced Inflammation and Desmoplasia Promote Pancreatic Cancer Progression and Resistance to Chemotherapy. <i>Cancer Discovery</i> , <b>2016</b> , 6, 852-69	24.4	213
501	Mast Cells Contribute to Radiation-Induced Vascular Hyperpermeability. <i>Radiation Research</i> , <b>2016</b> , 185, 182-9	3.1	15
500	Efficacy and Biomarker Study of Bevacizumab for Hearing Loss Resulting From Neurofibromatosis Type 2-Associated Vestibular Schwannomas. <i>Journal of Clinical Oncology</i> , <b>2016</b> , 34, 1669-75	2.2	69
499	PlGF/VEGFR-1 Signaling Promotes Macrophage Polarization and Accelerated Tumor Progression in Obesity. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 2993-3004	12.9	81
498	A mouse-human phase 1 co-clinical trial of a protease-activated fluorescent probe for imaging cancer. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 320ra4	17.5	163
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