

# Rahul A Sheth

## List of Publications by Year in descending order

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90  
papers

2,237  
citations

236833

25  
h-index

265120

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g-index

91  
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91  
docs citations

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times ranked

3341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Biomaterials and Technologies for Vascular Embolization. <i>Advanced Materials</i> , 2019, 31, e1901071.	11.1	133
2	Prognosis and Clinicopathologic Features of Patients With Advanced Stage Isocitrate Dehydrogenase (IDH) Mutant and IDH Wild-Type Intrahepatic Cholangiocarcinoma. <i>Oncologist</i> , 2015, 20, 1019-1027.	1.9	112
3	Iliac vein compression syndrome: Clinical, imaging and pathologic findings. <i>World Journal of Radiology</i> , 2015, 7, 375.	0.5	97
4	Ablation of colorectal liver metastasis: Interaction of ablation margins and RAS mutation profiling on local tumour progression-free survival. <i>European Radiology</i> , 2018, 28, 2727-2734.	2.3	89
5	Thermal Ablative Therapies and Immune Checkpoint Modulation: Can Locoregional Approaches Effect a Systemic Response?. <i>Gastroenterology Research and Practice</i> , 2016, 2016, 1-11.	0.7	79
6	History and Evolution of Yttrium-90 Radioembolization for Hepatocellular Carcinoma. <i>Journal of Clinical Medicine</i> , 2019, 8, 55.	1.0	73
7	Neutrophil extracellular traps are increased in cancer patients but does not associate with venous thrombosis. <i>Cardiovascular Diagnosis and Therapy</i> , 2017, 7, S140-S149.	0.7	69
8	Quality Improvement Guidelines for Vascular Access and Closure Device Use. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 73-84.	0.2	63
9	Radiogenomics and Radiomics in Liver Cancers. <i>Diagnostics</i> , 2019, 9, 4.	1.3	59
10	Assessment of Image-Guided Intratumoral Delivery of Immunotherapeutics in Patients With Cancer. <i>JAMA Network Open</i> , 2020, 3, e207911.	2.8	59
11	Influence of injection technique, drug formulation and tumor microenvironment on intratumoral immunotherapy delivery and efficacy. , 2021, 9, e001800.		59
12	Endovascular Embolization by Transcatheter Delivery of Particles: Past, Present, and Future. <i>Journal of Functional Biomaterials</i> , 2017, 8, 12.	1.8	54
13	Thrombosis in cancer patients: etiology, incidence, and management. <i>Cardiovascular Diagnosis and Therapy</i> , 2017, 7, S178-S185.	0.7	52
14	In vivo optical molecular imaging of matrix metalloproteinase activity in abdominal aortic aneurysms correlates with treatment effects on growth rate. <i>Atherosclerosis</i> , 2010, 212, 181-187.	0.4	51
15	Barriers to Drug Delivery in Interventional Oncology. <i>Journal of Vascular and Interventional Radiology</i> , 2013, 24, 1201-1207.	0.2	51
16	Three-Dimensional Printing: An Enabling Technology for IR. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 859-865.	0.2	50
17	Comprehensive Complication Index Predicts Cancer-specific Survival After Resection of Colorectal Metastases Independent of RAS Mutational Status. <i>Annals of Surgery</i> , 2017, 266, 1045-1054.	2.1	49
18	Evaluation and clinically relevant applications of a fluorescent imaging analog to fluorodeoxyglucose positron emission tomography. <i>Journal of Biomedical Optics</i> , 2009, 14, 064014.	1.4	46

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19	Quantitative Real-time Catheter-based Fluorescence Molecular Imaging in Mice. <i>Radiology</i> , 2007, 245, 523-531.	3.6	43
20	Society of Interventional Radiology Quality Improvement Standards on Percutaneous Needle Biopsy in Adult and Pediatric Patients. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1840-1848.	0.2	37
21	Clinically translatable cytokine delivery platform for eradication of intraperitoneal tumors. <i>Science Advances</i> , 2022, 8, eabm1032.	4.7	35
22	Fluorochrome-Functionalized Nanoparticles for Imaging DNA in Biological Systems. <i>ACS Nano</i> , 2013, 7, 2032-2041.	7.3	32
23	Role of Locoregional Therapy and Predictors for Dropout in Patients with Hepatocellular Carcinoma Listed for Liver Transplantation. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1761-1768.	0.2	32
24	Infliximab for the treatment of patients with checkpoint inhibitor associated acute tubular interstitial nephritis. <i>OncImmunology</i> , 2021, 10, 1877415.	2.1	32
25	Liver-Directed Therapies for Hepatocellular Carcinoma and Intrahepatic Cholangiocarcinoma. <i>Cancer Control</i> , 2017, 24, 107327481772924.	0.7	29
26	Emerging embolic agents in endovascular embolization: an overview. <i>Progress in Biomedical Engineering</i> , 2020, 2, 012003.	2.8	27
27	Pathogenesis of Thromboembolism and Endovascular Management. <i>Thrombosis</i> , 2017, 2017, 1-13.	1.4	26
28	Association of Inferior Vena Cava Filter Placement With Rates of Pulmonary Embolism in Patients With Cancer and Acute Lower Extremity Deep Venous Thrombosis. <i>JAMA Network Open</i> , 2020, 3, e2011079.	2.8	26
29	Interventional Radiology for Local Immunotherapy in Oncology. <i>Clinical Cancer Research</i> , 2021, 27, 2698-2705.	3.2	26
30	Hyperthermia and Tumor Immunity. <i>Cancers</i> , 2021, 13, 2507.	1.7	24
31	Prospective Trial with Optical Molecular Imaging for Percutaneous Interventions in Focal Hepatic Lesions. <i>Radiology</i> , 2015, 274, 917-926.	3.6	23
32	Interventional Radiology Symposium for Medical Students: Raising Awareness, Understanding, and Interest. <i>Journal of the American College of Radiology</i> , 2015, 12, 968-971.	0.9	23
33	Individualized Treatment Sequencing Selection Contributes to Optimized Survival in Patients with Rectal Cancer and Synchronous Liver Metastases. <i>Annals of Surgical Oncology</i> , 2017, 24, 3857-3864.	0.7	23
34	Podoplanin promotes tumor growth, platelet aggregation, and venous thrombosis in murine models of ovarian cancer. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 104-114.	1.9	23
35	Interventional Optical Molecular Imaging Guidance during Percutaneous Biopsy. <i>Radiology</i> , 2014, 271, 770-777.	3.6	22
36	Doxorubicin-loaded hollow gold nanospheres for dual photothermal ablation and chemoembolization therapy. <i>Cancer Nanotechnology</i> , 2020, 11, .	1.9	22

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37	Pilot study of Tremelimumab with and without cryoablation in patients with metastatic renal cell carcinoma. <i>Nature Communications</i> , 2021, 12, 6375.	5.8	22
38	Changing Medicare Utilization of Minimally Invasive Procedures for the Treatment of Chronic Venous Insufficiency. <i>Journal of Vascular and Interventional Radiology</i> , 2017, 28, 818-824.	0.2	21
39	Histological Correlation for Radiofrequency and Microwave Ablation in the Local Control of Hepatocellular Carcinoma (HCC) before Liver Transplantation: A Comprehensive Review. <i>Cancers</i> , 2021, 13, 104.	1.7	21
40	Laparoscopic Glissonean Pedicle Transection (Takasaki) for Negative Fluorescent Counterstaining of Segment 6. <i>Annals of Surgical Oncology</i> , 2017, 24, 1046-1047.	0.7	20
41	Sporadic versus Tuberous Sclerosis Complex-associated Angiomyolipomas: Predictors for Long-Term Outcomes following Transcatheter Embolization. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 1542-1549.	0.2	19
42	Nonmaturing Fistulae: Epidemiology, Possible Interventions, and Outcomes. <i>Techniques in Vascular and Interventional Radiology</i> , 2017, 20, 31-37.	0.4	19
43	Comparison of Real-Time Fluorescence Confocal Digital Microscopy With Hematoxylin-Eosin-stained Sections of Core-Needle Biopsy Specimens. <i>JAMA Network Open</i> , 2020, 3, e200476.	2.8	19
44	Optical molecular imaging and its emerging role in colorectal cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G807-G820.	1.6	18
45	Palliative Embolization for Refractory Bleeding. <i>Seminars in Interventional Radiology</i> , 2017, 34, 387-397.	0.3	18
46	Real-Time Multichannel Imaging Framework for Endoscopy, Catheters, and Fixed Geometry Intraoperative Systems. <i>Molecular Imaging</i> , 2007, 6, 7290.2007.00012.	0.7	17
47	Quantitative Endovascular Fluorescence-based Molecular Imaging through Blood of Arterial Wall Inflammation. <i>Radiology</i> , 2009, 251, 813-821.	3.6	17
48	Confocal Fluorescence Microscopy Platform Suitable for Rapid Evaluation of Small Fragments of Tissue in Surgical Pathology Practice. <i>Archives of Pathology and Laboratory Medicine</i> , 2019, 143, 305-313.	1.2	16
49	Irreversible Electroporation in Liver Cancers and Whole Organ Engineering. <i>Journal of Clinical Medicine</i> , 2019, 8, 22.	1.0	14
50	Real-time multichannel imaging framework for endoscopy, catheters, and fixed geometry intraoperative systems. <i>Molecular Imaging</i> , 2007, 6, 147-55.	0.7	14
51	Molecularly targeted photothermal ablation improves tumor specificity and immune modulation in a rat model of hepatocellular carcinoma. <i>Communications Biology</i> , 2020, 3, 783.	2.0	13
52	Angiographic and volumetric effects of mammalian target of rapamycin inhibitors on angiomyolipomas in tuberous sclerosis. <i>World Journal of Radiology</i> , 2016, 8, 308.	0.5	12
53	Closure of Alternative Vascular Sites, Including Axillary, Brachial, Popliteal, and Surgical Grafts. <i>Techniques in Vascular and Interventional Radiology</i> , 2015, 18, 113-121.	0.4	11
54	Portomesenteric Venous Stenting for Palliation of Ascites and Variceal Bleeding Caused by Prehepatic Portal Hypertension. <i>Oncologist</i> , 2018, 23, 712-718.	1.9	9

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55	Utilization of Endovascular and Surgical Treatments for Symptomatic Uterine Leiomyomas: A Population Health Perspective. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1552-1559.e1.	0.2	9
56	Temporal Trends in Outcomes in Patients With Adrenocortical Carcinoma: A Multidisciplinary Referral-center Experience. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1239-1246.	1.8	9
57	Circulating Tumor Cells: Personalized Medicine in Interventional Oncology?. <i>Journal of Vascular and Interventional Radiology</i> , 2013, 24, 221-228.	0.2	8
58	Imaging work-up and endovascular treatment options for aorto-enteric fistula. <i>Cardiovascular Diagnosis and Therapy</i> , 2018, 8, S200-S207.	0.7	8
59	Integrated CTâ€“Fluoroscopy Equipment: Improving the Interventional Radiology Approach and Patient Experience for Treatment of Musculoskeletal Malignancies. <i>Seminars in Interventional Radiology</i> , 2018, 35, 229-237.	0.3	8
60	Baseline Apparent Diffusion Coefficient as a Predictor of Response to Liver-Directed Therapies in Hepatocellular Carcinoma. <i>Journal of Clinical Medicine</i> , 2018, 7, 83.	1.0	8
61	Patient-Derived Xenograft Tumor Models: Overview and Relevance to IR. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 880-882.e1.	0.2	8
62	Transjugular Intrahepatic Portosystemic Shunts Reduce Variceal Bleeding and Improve Survival in Patients with Cirrhosis: A Population-Based Analysis. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1382-1391.e2.	0.2	8
63	Combined Angio-CT Systems: A Roadmap Tool for Precision Therapy in Interventional Oncology. <i>Radiology Imaging Cancer</i> , 2021, 3, e210039.	0.7	8
64	Durability of partial splenic artery embolization on platelet counts for cancer patients with hypersplenism-related thrombocytopenia. <i>Abdominal Radiology</i> , 2020, 45, 2886-2894.	1.0	7
65	Changes in inferior vena cava filter placement and retrieval practice patterns from a population health perspective. <i>Abdominal Radiology</i> , 2020, 45, 3907-3914.	1.0	7
66	Hepatic trauma. <i>Annals of Translational Medicine</i> , 2021, 9, 1195-1195.	0.7	7
67	Literature Review of Percutaneous Stenting for Palliative Treatment of Malignant Superior Vena Cava Syndrome (SVCS). <i>Academic Radiology</i> , 2022, 29, S110-S120.	1.3	7
68	Renoduodenal Fistula After Transcatheter Embolization of Renal Angiomyolipoma. <i>CardioVascular and Interventional Radiology</i> , 2015, 38, 232-235.	0.9	6
69	Repair of abdominal aortic aneurysms: preoperative imaging and evaluation. <i>Cardiovascular Diagnosis and Therapy</i> , 2018, 8, S157-S167.	0.7	6
70	MRI-Guided Interventions in Musculoskeletal System. <i>Topics in Magnetic Resonance Imaging</i> , 2018, 27, 129-139.	0.7	6
71	Percutaneous hepatic injection of rose bengal disodium (PV-10) in metastatic uveal melanoma.. <i>Journal of Clinical Oncology</i> , 2020, 38, 3143-3143.	0.8	6
72	In vivo optical molecular imaging of matrix metalloproteinase activity following celecoxib therapy for colorectal cancer. <i>Molecular Imaging</i> , 2012, 11, 417-25.	0.7	6

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73	Diffusion-Weighted Imaging of the Male Pelvis. Magnetic Resonance Imaging Clinics of North America, 2014, 22, 145-163.	0.6	5
74	A Quality Improvement Initiative to Reduce Catheter Exchange Rates for Fluoroscopically Guided Gastrostomy Tubes. Journal of Vascular and Interventional Radiology, 2016, 27, 251-259.	0.2	5
75	A Primer on Hemodialysis From an Interventional Radiology Perspective. Techniques in Vascular and Interventional Radiology, 2017, 20, 9-13.	0.4	5
76	Relationship between hepatocellular carcinoma circulating tumor cells and tumor volume. Cancer Convergence, 2018, 2, .	8.0	5
77	Safety and efficacy of percutaneous transabdominal and transesophageal decompression gastric catheters for palliation of malignant bowel obstruction. Abdominal Radiology, 2021, 46, 4489-4498.	1.0	5
78	Pilot Clinical Trial of Indocyanine Green Fluorescence-Augmented Colonoscopy in High Risk Patients. Gastroenterology Research and Practice, 2016, 2016, 1-7.	0.7	4
79	Predicting Outcomes After Chemo-Embolization in Patients with Advanced-Stage Hepatocellular Carcinoma: An Evaluation of Different Radiologic Response Criteria. CardioVascular and Interventional Radiology, 2017, 40, 61-68.	0.9	4
80	Image-Guided Intratumoral Delivery of Immunotherapeutics in Gastrointestinal Malignancies. Digestive Disease Interventions, 2021, 05, 022-031.	0.3	4
81	Radiofrequency Ablation of Spine Metastases: A Clinical and Technical Approach. Seminars in Musculoskeletal Radiology, 2021, 25, 795-804.	0.4	4
82	Intratumoral and Oncoviral Immunotherapy. Digestive Disease Interventions, 2021, 05, 050-054.	0.3	3
83	Bioengineered in vitro Vascular Models for Applications in Interventional Radiology. Current Pharmaceutical Design, 2019, 24, 5367-5374.	0.9	3
84	Image-guided Percutaneous Biopsy of the Liver. Techniques in Vascular and Interventional Radiology, 2021, 24, 100773.	0.4	2
85	Deployment of an Interventional Radiology Telemedicine Program During the COVID-19 Pandemic: Initial Experience With 10,056 Visits. Journal of the American College of Radiology, 2022, 19, 243-250.	0.9	2
86	Gastric and Enteral Access for Feeding in Critically Ill Patients. Current Trauma Reports, 2017, 3, 190-195.	0.6	1
87	Minimally Invasive Therapies for Hepatocellular Carcinoma: Mechanisms of Local Control and Systemic Immunologic Response. , 2018, , .		1
88	Interventional Radiology Techniques for the Management of Painful Bone Metastases. Journal of Radiology Nursing, 2018, 37, 90-97.	0.2	1
89	When Catheter Thrombosis Mimics Malignant Cava Thrombosis: The Role of Endovascular Interventions. Chest, 2017, 152, A491.	0.4	0
90	The Implications of CRISPR-Cas9 Genome Editing for IR. Journal of Vascular and Interventional Radiology, 2018, 29, 1264-1267.e1.	0.2	0