Nicole Wake

List of Publications by Year in Descending Order

61 papers	1,572 citations	21 h-index	39 g-index
67 ext. papers	1,944 ext. citations	5.3 avg, IF	4.64 L-index

#	Paper	IF	Citations
61	Considerations for Starting a 3D Printing Lab in the Department of Radiology **2022**, 191-200		
60	3D Printing in Interventional Radiology **2022**, 131-142		
59	Quality Assurance of 3D Printed Anatomic Models **2022**, 89-98		1
58	3D Printed Anatomic Models and Guides **2022**, 75-88		1
57	Medical Imaging Technologies and Imaging Considerations for 3D Printed Anatomic Models **2022**, 11-29		1
56	3D Printing in Radiology Education **2022**, 117-129		
55	Intraoperative Navigation in Plastic Surgery with Augmented Reality: A Preclinical Validation Study.. *Plastic and Reconstructive Surgery*, **2022**, 149, 573e-580e	2.7	0
54	A workflow to generate patient-specific three-dimensional augmented reality models from medical imaging data and example applications in urologic oncology. *3D Printing in Medicine*, **2021**, 7, 34	5	3
53	A guideline for 3D printing terminology in biomedical research utilizing ISO/ASTM standards. *3D Printing in Medicine*, **2021**, 7, 8	5	15
52	Three-Dimensional Printed Anatomic Models Derived From Magnetic Resonance Imaging Data: Current State and Image Acquisition Recommendations for Appropriate Clinical Scenarios. *Journal of Magnetic Resonance Imaging*, **2021**,	5.6	6
51	A Case Report Describing Pre-operative Contouring of an Orthopedic Implant using a 3D-Printed Patient-specific Model.. *Journal of Orthopaedic Case Reports*, **2021**, 11, 27-31	0.3	
50	Three-Dimensional Facial Scanning at the Fingertips of Patients and Surgeons: Accuracy and Precision Testing of iPhone X Three-Dimensional Scanner. *Plastic and Reconstructive Surgery*, **2020**, 146, 1407-1417	2.7	11
49	3D Printing, Augmented Reality, and Virtual Reality for the Assessment and Management of Kidney and Prostate Cancer: A Systematic Review. *Urology*, **2020**, 143, 20-32	1.6	20
48	Radiological Society of North America (RSNA) 3D Printing Special Interest Group (SIG) clinical situations for which 3D printing is considered an appropriate representation or extension of data contained in a medical imaging examination: abdominal, hepatobiliary, and gastrointestinal conditions. *3D Printing in Medicine*, **2020**, 6, 13	5	15
47	Update: Medical 3D Printing for the Radiologist. *Radiographics*, **2020**, 40, E21-E23	5.4	23
46	Imaging properties of 3D printed breast phantoms for lesion localization and Core needle biopsy training. *3D Printing in Medicine*, **2020**, 6, 4	5	6
45	Clinical situations for which 3D printing is considered an appropriate representation or extension of data contained in a medical imaging examination: adult cardiac conditions. *3D Printing in Medicine*, **2020**, 6, 24	5	4

44	MRI guided procedure planning and 3D simulation for partial gland cryoablation of the prostate: a pilot study. *3D Printing in Medicine*, **2020**, 6, 33	5	2
43	Author Reply: 3D Printing, Augmented Reality, and Virtual Reality for the Assessment and Management of Kidney and Prostate Cancer: A Systematic Review. *Urology*, **2020**, 145, 301-302	1.6	1
42	AUTHOR REPLY. *Urology*, **2020**, 143, 32	1.6	
41	"Pin the Tumor on the Kidney:" An Evaluation of How Surgeons Translate CT and MRI Data to 3D Models. *Urology*, **2019**, 131, 255-261	1.6	24
40	Patient-specific 3D printed and augmented reality kidney and prostate cancer models: impact on patient education. *3D Printing in Medicine*, **2019**, 5, 4	5	60
39	Investigating accuracy of 3D printed liver models with computed tomography. *Quantitative Imaging in Medicine and Surgery*, **2019**, 9, 43-52	3.6	26
38	Use of 3D Printed Models for Complex Renal Surgery: Two Case Presentations: NYU Case of the Month, May 2019. *Reviews in Urology*, **2019**, 21, 118-122	1	
37	Magnetic Resonance Imaging Volumetry of Facial Muscles in a Face Transplant Recipient. *Plastic and Reconstructive Surgery - Global Open*, **2019**, 7, e2515	1.2	3
36	Creating patient-specific anatomical models for 3D printing and AR/VR: a supplement for the 2018 Radiological Society of North America (RSNA) hands-on course. *3D Printing in Medicine*, **2019**, 5, 17	5	6
35	Three-Dimensional Analysis of Donor Masks for Facial Transplantation. *Plastic and Reconstructive Surgery*, **2019**, 143, 1290e-1297e	2.7	7
34	Principles of three-dimensional printing and clinical applications within the abdomen and pelvis. *Abdominal Radiology*, **2018**, 43, 2809-2822	3	13
33	Radiological Society of North America (RSNA) 3D printing Special Interest Group (SIG): guidelines for medical 3D printing and appropriateness for clinical scenarios. *3D Printing in Medicine*, **2018**, 4, 11	5	116
32	Accuracy and precision of quantitative DCE-MRI parameters: How should one estimate contrast concentration?. *Magnetic Resonance Imaging*, **2018**, 52, 16-23	3.3	12
31	Three-dimensional Printing and Augmented Reality: Enhanced Precision for Robotic Assisted Partial Nephrectomy. *Urology*, **2018**, 116, 227-228	1.6	42
30	3D printed renal cancer models derived from MRI data: application in pre-surgical planning. *Abdominal Radiology*, **2017**, 42, 1501-1509	3	73
29	Preoperative planning and tracheal stent design in thoracic surgery: a primer for the 2017 Radiological Society of North America (RSNA) hands-on course in 3D printing. *3D Printing in Medicine*, **2017**, 3, 14	5	10
28	Utility and Scope of Rapid Prototyping in Patients with Complex Muscular Ventricular Septal Defects or Double-Outlet Right Ventricle: Does it Alter Management Decisions?. *Pediatric Cardiology*, **2017**, 38, 103-114	2.1	56
27	Whole heart self-navigated 3D radial MRI for the creation of virtual 3D models in congenital heart disease. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18,	6.9	3

26	Application of anatomically accurate, patient-specific 3D printed models from MRI data in urological oncology. *Clinical Radiology*, **2016**, 71, 610-4	2.9	38
25	A semi-automated "blanket" method for renal segmentation from non-contrast T1-weighted MR images. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2016**, 29, 197-206	2.8	6
24	Normal ventricular diameter ratio on CT provides adequate assessment for critical right ventricular strain among patients with acute pulmonary embolism. *International Journal of Cardiovascular Imaging*, **2016**, 32, 1153-61	2.5	10
23	3D printed ventricular septal defect patch: a primer for the 2015 Radiological Society of North America (RSNA) hands-on course in 3D printing. *3D Printing in Medicine*, **2015**, 1, 3	5	42
22	Noninvasive Monitoring of Immune Rejection in Face Transplant Recipients. *Plastic and Reconstructive Surgery*, **2015**, 136, 1082-1089	2.7	23
21	Medical 3D Printing for the Radiologist. *Radiographics*, **2015**, 35, 1965-88	5.4	367
20	Incidental findings detection using low tube potential for CT pulmonary angiography. *International Journal of Cardiovascular Imaging*, **2014**, 30, 1579-88	2.5	3
19	Volumetric quantification of type II endoleaks: an indicator for aneurysm sac growth following endovascular abdominal aortic aneurysm repair. *Radiology*, **2014**, 271, 282-90	20.5	22
18	Computed tomography and echocardiography in patients with acute pulmonary embolism: part 1: correlation of findings of right ventricular enlargement. *Journal of Thoracic Imaging*, **2014**, 29, W1-6	5.6	13
17	Computed tomography and echocardiography in patients with acute pulmonary embolism: part 2: prognostic value. *Journal of Thoracic Imaging*, **2014**, 29, W7-12	5.6	26
16	Static and cine CT imaging to identify and characterize mediastinal adhesions as a potential complication for patients underdoing "redo sternotomy". *American Journal of Roentgenology*, **2013**, 201, W72-4	5.4	6
15	Computed tomography angiography for transcatheter aortic valve replacement. *Radiologic Technology*, **2013**, 84, 326-40	1.1	2
14	Subjective assessment of right ventricle enlargement from computed tomography pulmonary angiography images. *International Journal of Cardiovascular Imaging*, **2012**, 28, 965-73	2.5	15
13	Mechanisms of premature vascular aging in children with Hutchinson-Gilford progeria syndrome. *Hypertension*, **2012**, 59, 92-7	8.5	96
12	The variability in prognostic values of right ventricular-to-left ventricular diameter ratios derived from different measurement methods on computed tomography pulmonary angiography: a patient outcome study. *Journal of Thoracic Imaging*, **2012**, 27, 331-6	5.6	19
11	Iodinated contrast injection data from a new technology. *Radiologic Technology*, **2012**, 84, 120-5	1.1	3
10	Pulmonary Arteriovenous Malformation (PAVM): Multidetector Computed Tomography Findings. *Eurasian Journal of Medicine*, **2011**, 43, 203-4	1.3	1
9	May-thurner syndrome: a case report. *Eurasian Journal of Medicine*, **2011**, 43, 129-31	1.3	6

8	Endothelial function predicts positive arterial-venous fistula remodeling in subjects with stage IV and V chronic kidney disease. *Journal of Vascular Access*, **2010**, 11, 329-34	1.8	26
7	In vivo human lower extremity saphenous vein bypass grafts manifest flow mediated vasodilation. *Journal of Vascular Surgery*, **2009**, 50, 1063-70	3.5	27
6	Early remodeling of lower extremity vein grafts: inflammation influences biomechanical adaptation. *Journal of Vascular Surgery*, **2008**, 47, 1235-42	3.5	44
5	Vascular Health and Cognitive Function in Older Adults with Cardiovascular Disease. *Artery Research*, **2008**, 2, 35-43	2.2	23
4	Images in clinical medicine. Spontaneous thrombolysis of an obstructed mechanical aortic valve. *New England Journal of Medicine*, **2008**, 358, e31	59.2	
3	Restenosis after carotid endarterectomy performed with routine intraoperative duplex ultrasonography and arterial patch closure: a contemporary series. *Vascular and Endovascular Surgery*, **2007**, 41, 200-5	1.4	17
2	Images in clinical medicine. Necrobiosis lipoidica diabeticorum. *New England Journal of Medicine*, **2006**, 355, e20	59.2	3
1	Early biomechanical changes in lower extremity vein grafts--distinct temporal phases of remodeling and wall stiffness. *Journal of Vascular Surgery*, **2006**, 44, 740-6	3.5	54