

Nicole Wake

List of Publications by Citations

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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.

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	Medical 3D Printing for the Radiologist. <i>Radiographics</i> , 2015 , 35, 1965-88	5.4	367
60	Radiological Society of North America (RSNA) 3D printing Special Interest Group (SIG): guidelines for medical 3D printing and appropriateness for clinical scenarios. <i>3D Printing in Medicine</i> , 2018 , 4, 11	5	116
59	Mechanisms of premature vascular aging in children with Hutchinson-Gilford progeria syndrome. <i>Hypertension</i> , 2012 , 59, 92-7	8.5	96
58	3D printed renal cancer models derived from MRI data: application in pre-surgical planning. <i>Abdominal Radiology</i> , 2017 , 42, 1501-1509	3	73
57	Patient-specific 3D printed and augmented reality kidney and prostate cancer models: impact on patient education. <i>3D Printing in Medicine</i> , 2019 , 5, 4	5	60
56	Utility and Scope of Rapid Prototyping in Patients with Complex Muscular Ventricular Septal Defects or Double-Outlet Right Ventricle: Does it Alter Management Decisions?. <i>Pediatric Cardiology</i> , 2017 , 38, 103-114	2.1	56
55	Early biomechanical changes in lower extremity vein grafts--distinct temporal phases of remodeling and wall stiffness. <i>Journal of Vascular Surgery</i> , 2006 , 44, 740-6	3.5	54
54	Early remodeling of lower extremity vein grafts: inflammation influences biomechanical adaptation. <i>Journal of Vascular Surgery</i> , 2008 , 47, 1235-42	3.5	44
53	3D printed ventricular septal defect patch: a primer for the 2015 Radiological Society of North America (RSNA) hands-on course in 3D printing. <i>3D Printing in Medicine</i> , 2015 , 1, 3	5	42
52	Three-dimensional Printing and Augmented Reality: Enhanced Precision for Robotic Assisted Partial Nephrectomy. <i>Urology</i> , 2018 , 116, 227-228	1.6	42
51	Application of anatomically accurate, patient-specific 3D printed models from MRI data in urological oncology. <i>Clinical Radiology</i> , 2016 , 71, 610-4	2.9	38
50	In vivo human lower extremity saphenous vein bypass grafts manifest flow mediated vasodilation. <i>Journal of Vascular Surgery</i> , 2009 , 50, 1063-70	3.5	27
49	Investigating accuracy of 3D printed liver models with computed tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 43-52	3.6	26
48	Computed tomography and echocardiography in patients with acute pulmonary embolism: part 2: prognostic value. <i>Journal of Thoracic Imaging</i> , 2014 , 29, W7-12	5.6	26
47	Endothelial function predicts positive arterial-venous fistula remodeling in subjects with stage IV and V chronic kidney disease. <i>Journal of Vascular Access</i> , 2010 , 11, 329-34	1.8	26
46	"Pin the Tumor on the Kidney:" An Evaluation of How Surgeons Translate CT and MRI Data to 3D Models. <i>Urology</i> , 2019 , 131, 255-261	1.6	24
45	Update: Medical 3D Printing for the Radiologist. <i>Radiographics</i> , 2020 , 40, E21-E23	5.4	23

44	Noninvasive Monitoring of Immune Rejection in Face Transplant Recipients. <i>Plastic and Reconstructive Surgery</i> , 2015 , 136, 1082-1089	2.7	23
43	Vascular Health and Cognitive Function in Older Adults with Cardiovascular Disease. <i>Artery Research</i> , 2008 , 2, 35-43	2.2	23
42	Volumetric quantification of type II endoleaks: an indicator for aneurysm sac growth following endovascular abdominal aortic aneurysm repair. <i>Radiology</i> , 2014 , 271, 282-90	20.5	22
41	3D Printing, Augmented Reality, and Virtual Reality for the Assessment and Management of Kidney and Prostate Cancer: A Systematic Review. <i>Urology</i> , 2020 , 143, 20-32	1.6	20
40	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. <i>Journal of Thoracic Imaging</i> , 2012 , 27, 331-6	5.6	19
39	Restenosis after carotid endarterectomy performed with routine intraoperative duplex ultrasonography and arterial patch closure: a contemporary series. <i>Vascular and Endovascular Surgery</i> , 2007 , 41, 200-5	1.4	17
38	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. <i>3D Printing in Medicine</i> , 2020 , 6, 13	5	15
37	Subjective assessment of right ventricle enlargement from computed tomography pulmonary angiography images. <i>International Journal of Cardiovascular Imaging</i> , 2012 , 28, 965-73	2.5	15
36	A guideline for 3D printing terminology in biomedical research utilizing ISO/ASTM standards. <i>3D Printing in Medicine</i> , 2021 , 7, 8	5	15
35	Principles of three-dimensional printing and clinical applications within the abdomen and pelvis. <i>Abdominal Radiology</i> , 2018 , 43, 2809-2822	3	13
34	Computed tomography and echocardiography in patients with acute pulmonary embolism: part 1: correlation of findings of right ventricular enlargement. <i>Journal of Thoracic Imaging</i> , 2014 , 29, W1-6	5.6	13
33	Accuracy and precision of quantitative DCE-MRI parameters: How should one estimate contrast concentration?. <i>Magnetic Resonance Imaging</i> , 2018 , 52, 16-23	3.3	12
32	Three-Dimensional Facial Scanning at the Fingertips of Patients and Surgeons: Accuracy and Precision Testing of iPhone X Three-Dimensional Scanner. <i>Plastic and Reconstructive Surgery</i> , 2020 , 146, 1407-1417	2.7	11
31	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. <i>3D Printing in Medicine</i> , 2017 , 3, 14	5	10
30	Normal ventricular diameter ratio on CT provides adequate assessment for critical right ventricular strain among patients with acute pulmonary embolism. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 1153-61	2.5	10
29	Three-Dimensional Analysis of Donor Masks for Facial Transplantation. <i>Plastic and Reconstructive Surgery</i> , 2019 , 143, 1290e-1297e	2.7	7
28	Imaging properties of 3D printed breast phantoms for lesion localization and Core needle biopsy training. <i>3D Printing in Medicine</i> , 2020 , 6, 4	5	6
27	A semi-automated "blanket" method for renal segmentation from non-contrast T1-weighted MR images. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016 , 29, 197-206	2.8	6

26	Static and cine CT imaging to identify and characterize mediastinal adhesions as a potential complication for patients underdoing "redo sternotomy". <i>American Journal of Roentgenology</i> , 2013 , 201, W72-4	5.4	6
25	May-thurner syndrome: a case report. <i>Eurasian Journal of Medicine</i> , 2011 , 43, 129-31	1.3	6
24	Three-Dimensional Printed Anatomic Models Derived From Magnetic Resonance Imaging Data: Current State and Image Acquisition Recommendations for Appropriate Clinical Scenarios. <i>Journal of Magnetic Resonance Imaging</i> , 2021 ,	5.6	6
23	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. <i>3D Printing in Medicine</i> , 2019 , 5, 17	5	6
22	Clinical situations for which 3D printing is considered an appropriate representation or extension of data contained in a medical imaging examination: adult cardiac conditions. <i>3D Printing in Medicine</i> , 2020 , 6, 24	5	4
21	Whole heart self-navigated 3D radial MRI for the creation of virtual 3D models in congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18,	6.9	3
20	Incidental findings detection using low tube potential for CT pulmonary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 1579-88	2.5	3
19	Images in clinical medicine. Necrobiosis lipoidica diabetorum. <i>New England Journal of Medicine</i> , 2006 , 355, e20	59.2	3
18	A workflow to generate patient-specific three-dimensional augmented reality models from medical imaging data and example applications in urologic oncology. <i>3D Printing in Medicine</i> , 2021 , 7, 34	5	3
17	Magnetic Resonance Imaging Volumetry of Facial Muscles in a Face Transplant Recipient. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019 , 7, e2515	1.2	3
16	Iodinated contrast injection data from a new technology. <i>Radiologic Technology</i> , 2012 , 84, 120-5	1.1	3
15	MRI guided procedure planning and 3D simulation for partial gland cryoablation of the prostate: a pilot study. <i>3D Printing in Medicine</i> , 2020 , 6, 33	5	2
14	Computed tomography angiography for transcatheter aortic valve replacement. <i>Radiologic Technology</i> , 2013 , 84, 326-40	1.1	2
13	Pulmonary Arteriovenous Malformation (PAVM): Multidetector Computed Tomography Findings. <i>Eurasian Journal of Medicine</i> , 2011 , 43, 203-4	1.3	1
12	Author Reply: 3D Printing, Augmented Reality, and Virtual Reality for the Assessment and Management of Kidney and Prostate Cancer: A Systematic Review. <i>Urology</i> , 2020 , 145, 301-302	1.6	1
11	Quality Assurance of 3D Printed Anatomic Models 2022 , 89-98		1
10	3D Printed Anatomic Models and Guides 2022 , 75-88		1
9	Medical Imaging Technologies and Imaging Considerations for 3D Printed Anatomic Models 2022 , 11-29		1

8	Intraoperative Navigation in Plastic Surgery with Augmented Reality: A Preclinical Validation Study.. <i>Plastic and Reconstructive Surgery</i> , 2022 , 149, 573e-580e	2.7	0
7	Images in clinical medicine. Spontaneous thrombolysis of an obstructed mechanical aortic valve. <i>New England Journal of Medicine</i> , 2008 , 358, e31	59.2	
6	Use of 3D Printed Models for Complex Renal Surgery: Two Case Presentations: NYU Case of the Month, May 2019. <i>Reviews in Urology</i> , 2019 , 21, 118-122	1	
5	AUTHOR REPLY. <i>Urology</i> , 2020 , 143, 32	1.6	
4	A Case Report Describing Pre-operative Contouring of an Orthopedic Implant using a 3D-Printed Patient-specific Model.. <i>Journal of Orthopaedic Case Reports</i> , 2021 , 11, 27-31	0.3	
3	Considerations for Starting a 3D Printing Lab in the Department of Radiology 2022 , 191-200		
2	3D Printing in Interventional Radiology 2022 , 131-142		
1	3D Printing in Radiology Education 2022 , 117-129		