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List of Publications by Citations

167 papers	1,426 citations	20 h-index	32 g-index
220 ext. papers	1,781 ext. citations	3.3 avg, IF	4.54 L-index

#	Paper	IF	Citations
167	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
166	Three-dimensional printing to facilitate anatomic study, device development, simulation, and planning in thoracic surgery. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 149, 973-9.e1	1.5	104
165	Challenges and limitations of patient-specific vascular phantom fabrication using 3D Polyjet printing. *Proceedings of SPIE*, **2014**, 9038, 90380M	1.7	73
164	Primary stentriever versus combined stentriever plus aspiration thrombectomy approaches: in vitro stroke model comparison. *Journal of NeuroInterventional Surgery*, **2015**, 7, 453-7	7.8	57
163	Comparison of modern stroke thrombectomy approaches using an in vitro cerebrovascular occlusion model. *American Journal of Neuroradiology*, **2015**, 36, 547-51	4.4	53
162	Self-calibration of a cone-beam micro-CT system. *Medical Physics*, **2009**, 36, 48-58	4.4	49
161	Three-dimensional printing of MRI-visible phantoms and MR image-guided therapy simulation. *Magnetic Resonance in Medicine*, **2017**, 77, 613-622	4.4	48
160	Stent retriever thrombectomy with the Cover accessory device versus proximal protection with a balloon guide catheter: in vitro stroke model comparison. *Journal of NeuroInterventional Surgery*, **2016**, 8, 413-7	7.8	39
159	The asymmetric vascular stent: efficacy in a rabbit aneurysm model. *Stroke*, **2009**, 40, 959-65	6.7	33
158	Treatment Planning for Image-Guided Neuro-Vascular Interventions Using Patient-Specific 3D Printed Phantoms. *Proceedings of SPIE*, **2015**, 9417,	1.7	31
157	Particle image velocimetry (PIV) evaluation of flow modification in aneurysm phantoms using asymmetric stents. *Proceedings of SPIE*, **2004**, 5369, 295	1.7	27
156	Asymmetric vascular stent: feasibility study of a new low-porosity patch-containing stent. *Stroke*, **2008**, 39, 2105-13	6.7	26
155	Use of the microangiographic fluoroscope for coiling of intracranial aneurysms. *Neurosurgery*, **2011**, 69, 1131-8	3.2	25
154	The combination of nano-calcium sulfate/platelet rich plasma gel scaffold with BMP2 gene-modified mesenchymal stem cells promotes bone regeneration in rat critical-sized calvarial defects. *Stem Cell Research and Therapy*, **2017**, 8, 122	8.3	24
153	A theoretical and experimental evaluation of the microangiographic fluoroscope: A high-resolution region-of-interest x-ray imager. *Medical Physics*, **2011**, 38, 4112-26	4.4	24
152	Antimicrobial Peptide Combined with BMP2-Modified Mesenchymal Stem Cells Promotes Calvarial Repair in an Osteolytic Model. *Molecular Therapy*, **2018**, 26, 199-207	11.7	22
151	Hybrid Biomaterial with Conjugated Growth Factors and Mesenchymal Stem Cells for Ectopic Bone Formation. *Tissue Engineering - Part A*, **2016**, 22, 928-39	3.9	21

150	Evaluation of a second-generation self-expanding variable-porosity flow diverter in a rabbit elastase aneurysm model. *American Journal of Neuroradiology*, **2011**, 32, 1399-407	4.4	21
149	Cone-beam micro-CT system based on LabVIEW software. *Journal of Digital Imaging*, **2008**, 21, 296-305	5.3	21
148	3D Printed Abdominal Aortic Aneurysm Phantom for Image Guided Surgical Planning with a Patient Specific Fenestrated Endovascular Graft System. *Proceedings of SPIE*, **2017**, 10138,	1.7	20
147	Microangiographic Image Guided Localization of a New Asymmetric Stent for Treatment of Cerebral Aneurysms. *Proceedings of SPIE*, **2005**, 5744, 354-365	1.7	19
146	3D Printed Cardiac Phantom for Procedural Planning of a Transcatheter Native Mitral Valve Replacement. *Proceedings of SPIE*, **2016**, 9789,	1.7	19
145	Automatic radiomic feature extraction using deep learning for angiographic parametric imaging of intracranial aneurysms. *Journal of NeuroInterventional Surgery*, **2020**, 12, 417-421	7.8	19
144	Assessment of a Bayesian Vitrea CT Perfusion Analysis to Predict Final Infarct and Penumbra Volumes in Patients with Acute Ischemic Stroke: A Comparison with RAPID. *American Journal of Neuroradiology*, **2020**, 41, 206-212	4.4	18
143	Implementation of a high-sensitivity Micro-Angiographic Fluoroscope (HS-MAF) for in-vivo endovascular image guided interventions (EIGI) and region-of-interest computed tomography (ROI-CT). *Proceedings of SPIE*, **2008**, 6918, 69181I	1.7	18
142	New light-amplifier-based detector designs for high spatial resolution and high sensitivity CBCT mammography and fluoroscopy. *Proceedings of SPIE*, **2006**, 6142,	1.7	18
141	Effect of injection technique on temporal parametric imaging derived from digital subtraction angiography in patient specific phantoms. *Proceedings of SPIE*, **2014**, 9038, 90380L	1.7	15
140	Endovascular coil embolization of a very small ruptured aneurysm using a novel microangiographic technique: technical note. *Journal of NeuroInterventional Surgery*, **2013**, 5, e2	7.8	15
139	Rotational micro-CT using a clinical C-arm angiography gantry. *Medical Physics*, **2008**, 35, 4757-64	4.4	15
138	Angiographic analysis of blood flow modification in cerebral aneurysm models with a new asymmetric stent. *Proceedings of SPIE*, **2004**, 5369, 307	1.7	15
137	Assessment of computed tomography perfusion software in predicting spatial location and volume of infarct in acute ischemic stroke patients: a comparison of Sphere, Vitrea, and RAPID. *Journal of NeuroInterventional Surgery*, **2021**, 13, 130-135	7.8	15
136	Evaluation of guidewire path reproducibility. *Medical Physics*, **2008**, 35, 1884-92	4.4	14
135	Investigation of new flow modifying endovascular image-guided interventional (EIGI) techniques in patient-specific aneurysm phantoms (PSAPs) using optical imaging. *Proceedings of SPIE*, **2008**, 6918, 69181V	1.7	13
134	Design and Physical Properties of 3-Dimensional Printed Models Used for Neurointervention: A Systematic Review of the Literature. *Neurosurgery*, **2020**, 87, E445-E453	3.2	12
133	Assessment of distal access catheter performance during neuroendovascular procedures: measuring force in three-dimensional patient specific phantoms. *Journal of NeuroInterventional Surgery*, **2019**, 11, 619-622	7.8	12

132	Feasibility study for use of angiographic parametric imaging and deep neural networks for intracranial aneurysm occlusion prediction. *Journal of NeuroInterventional Surgery*, **2020**, 12, 714-719	7.8	12
131	Progress in the Development of a new Angiography Suite including the High Resolution Micro-Angiographic Fluoroscope (MAF), a Control, Acquisition, Processing, and Image Display System (CAPIDS), and a New Detector Changer Integrated into a Commercial C-Arm Angiography Unit to Enable Clinical Use. *Proceedings of SPIE*, **2010**, 7622,	1.7	11
130	Angiographic imaging evaluation of patient-specific bifurcation-aneurysm phantom treatment with pre-shaped, self-expanding, flow-diverting stents: feasibility study. *Proceedings of SPIE*, **2011**, 7965, 79651H1-79651H9	1.7	11
129	3D Printed Cardiovascular Patient Specific Phantoms Used for Clinical Validation of a CT-derived FFR Diagnostic Software. *Proceedings of SPIE*, **2018**, 10578,	1.7	11
128	Assessment of Vascular Geometry for Bilateral Carotid Artery Ligation to Induce Early Basilar Terminus Aneurysmal Remodeling in Rats. *Current Neurovascular Research*, **2016**, 13, 82-92	1.8	11
127	Design Optimization for Accurate Flow Simulations in 3D Printed Vascular Phantoms Derived from Computed Tomography Angiography. *Proceedings of SPIE*, **2017**, 10138,	1.7	10
126	Initial testing of a 3D printed perfusion phantom using digital subtraction angiography. *Proceedings of SPIE*, **2015**, 9417,	1.7	10
125	Partially polyurethane-covered stent for cerebral aneurysm treatment. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2009**, 89, 415-429	3.5	9
124	Flow modification in canine intracranial aneurysm model by an asymmetric stent: studies using digital subtraction angiography (DSA) and image-based computational fluid dynamics (CFD) analyses. *Proceedings of SPIE*, **2006**, 6143, 61430J	1.7	9
123	Assessment of an Artificial Intelligence Algorithm for Detection of Intracranial Hemorrhage. *World Neurosurgery*, **2021**, 150, e209-e217	2.1	9
122	Initial Simulated FFR Investigation Using Flow Measurements in Patient-specific 3D Printed Coronary Phantoms. *Proceedings of SPIE*, **2017**, 10138,	1.7	8
121	Endovascular image-guided treatment of in-vivo model aneurysms with asymmetric vascular stents (AVS): evaluation with time-density curve angiographic analysis and histology. *Proceedings of SPIE*, **2008**, 6916, 6916OP	1.7	8
120	Evaluation of an asymmetric stent patch design for a patient specific intracranial aneurysm using Computational Fluid Dynamic (CFD) calculations in the Computed Tomography (CT) derived lumen. *Proceedings of SPIE*, **2006**, 6143,	1.7	8
119	Micro-angiographic detector with fluoroscopic capability **2002**, 4682, 344		8
118	Initial evaluation of three-dimensionally printed patient-specific coronary phantoms for CT-FFR software validation. *Journal of Medical Imaging*, **2019**, 6, 021603	2.6	8
117	Method to simulate distal flow resistance in coronary arteries in 3D printed patient specific coronary models. *3D Printing in Medicine*, **2020**, 6, 19	5	8
116	Advanced 3D Mesh Manipulation in Stereolithographic Files and Post-Print Processing for the Manufacturing of Patient-Specific Vascular Flow Phantoms. *Proceedings of SPIE*, **2016**, 9789,	1.7	8
115	Semi-automated measurement of vascular tortuosity and its implications for mechanical thrombectomy performance. *Neuroradiology*, **2021**, 63, 381-389	3.2	7

114	Design considerations for a new, high resolution Micro-Angiographic Fluoroscope based on a CMOS sensor (MAF-CMOS). *Proceedings of SPIE*, **2013**, 8668,	1.7	6
113	Assessment of contrast flow modification in aneurysms treated with closed-cell self-deploying asymmetric vascular stents (SAVS). *Proceedings of SPIE*, **2010**, 7626,	1.7	6
112	Angiographic analysis of animal model aneurysms treated with novel polyurethane asymmetric vascular stent (P-AVS): feasibility study. *Proceedings of SPIE*, **2009**, 7262, 72621H1-72621H10	1.7	6
111	New head equivalent phantom for task and image performance evaluation representative for neurovascular procedures occurring in the Circle of Willis. *Proceedings of SPIE*, **2012**, 8313, 83130Q	1.7	6
110	Validation of an artificial intelligence-driven large vessel occlusion detection algorithm for acute ischemic stroke patients. *Neuroradiology Journal*, **2021**, 34, 408-417	2	6
109	CT artifact correction for sparse and truncated projection data using generative adversarial networks. *Medical Physics*, **2021**, 48, 615-626	4.4	6
108	Patient-specific 3D-printed coronary models based on coronary computed tomography angiography volumes to investigate flow conditions in coronary artery disease. *Biomedical Physics and Engineering Express*, **2020**, 6, 045007	1.5	5
107	Effect of computed tomography perfusion post-processing algorithms on optimal threshold selection for final infarct volume prediction. *Neuroradiology Journal*, **2020**, 33, 273-285	2	5
106	Region-of-interest cone beam computed tomography (ROI CBCT) with a high resolution CMOS detector. *Proceedings of SPIE*, **2015**, 9412,	1.7	5
105	The Micro-Angiographic Fluoroscope (MAF) in High Definition (HD) Mode for Improved Contrast-to-Noise Ratio and Resolution in Fluoroscopy and Roadmapping. *IEEE Nuclear Science Symposium Conference Record*, **2010**, 3217-3220		5
104	Spatially different, real-time temporal filtering and dose reduction for dynamic image guidance during neurovascular interventions. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 6192-5	0.9	5
103	Region-of-Interest Micro-Angiographic Fluoroscope Detector Used in Aneurysm and Artery Stenosis Diagnoses and Treatment. *Proceedings of SPIE*, **2012**, 8313,	1.7	5
102	New microangiography system development providing improved small vessel imaging, increased contrast to noise ratios, and multi-view 3D reconstructions. *Proceedings of SPIE*, **2006**, 6142,	1.7	5
101	Initial study of the radiomics of intracranial aneurysms using Angiographic Parametric Imaging (API) to evaluate contrast flow changes **2019**,		5
100	Use of quantitative angiographic methods with a data-driven model to evaluate reperfusion status (mTICI) during thrombectomy. *Neuroradiology*, **2021**, 63, 1429-1439	3.2	5
99	Inter- and Intraoperator Variability in Measurement of On-Site CT-derived Fractional Flow Reserve Based on Structural and Fluid Analysis: A Comprehensive Analysis. *Radiology: Cardiothoracic Imaging*, **2019**, 1, e180012	8.3	4
98	A novel Region of Interest (ROI) imaging technique for biplane imaging in interventional suites: high-resolution small field-of-view imaging in the frontal plane and dose-reduced, large field-of-view standard-resolution imaging in the lateral plane. *Proceedings of SPIE*, **2014**, 9033, 90332F	1.7	4
97	Dose Reduction in Fluoroscopic Interventions Using a Combination of a Region of Interest (ROI) X-Ray Attenuator and Spatially-Different, Temporally-Variable Temporal Filtering. *Proceedings of SPIE*, **2013**, 8668, 86683Y	1.7	4

96	Aneurysmal changes at the basilar terminus in the rabbit elastase aneurysm model. *American Journal of Neuroradiology*, **2010**, 31, E35-6; author reply E37	4.4	4
95	SU-FF-I-127: Patient Specific Angiography Phantoms for Investigating New Endovascular Image-Guided Interventional (EIGI) Devices. *Medical Physics*, **2007**, 34, 2367-2367	4.4	4
94	9.4T Magnetic Resonance Imaging of the Mouse Circle of Willis Enables Serial Characterization of Flow-Induced Vascular Remodeling by Computational Fluid Dynamics. *Current Neurovascular Research*, **2018**, 15, 312-325	1.8	4
93	Automated Collateral Flow Assessment in Patients with Acute Ischemic Stroke Using Computed Tomography with Artificial Intelligence Algorithms. *World Neurosurgery*, **2021**, 155, e748-e760	2.1	4
92	Angiographic analysis for phantom simulations of endovascular aneurysm treatments with a new fully retrievable asymmetric flow diverter. *Proceedings of SPIE*, **2015**, 9417,	1.7	3
91	Evaluation of the effect of partial asymmetric stent coverage on neurovascular aneurysm hemodynamics using computer fluid dynamics (CFD) calculations **2007**,		3
90	Performance of angiographic parametric imaging in locating infarct core in large vessel occlusion acute ischemic stroke patients. *Journal of Medical Imaging*, **2020**, 7, 016001	2.6	3
89	SU-E-I-191: Effective-Dose Rate Comparison between the Micro-Angiographic Fluoroscope (MAF) and the X-Ray Image Intensifier (XII) Used during Neuro-Endovascular Device Deployment Procedures. *Medical Physics*, **2011**, 38, 3440-3440	4.4	3
88	TU-H-CAMPUS-IeP2-03: Development of 3D Printed Coronary Phantoms for In-Vitro CT-FFR Validation Using Data from 320- Detector Row Coronary CT Angiography. *Medical Physics*, **2016**, 43, 3781-3781	4.4	3
87	Use of patient specific 3D printed neurovascular phantoms to simulate mechanical thrombectomy. *3D Printing in Medicine*, **2021**, 7, 32	5	3
86	Three-dimensional printing of MRI-visible phantoms and MR image-guided therapy simulation. *Magnetic Resonance in Medicine*, **2017**, 77, C1	4.4	2
85	Use of patient specific 3D printed neurovascular phantoms to evaluate the clinical utility of a high resolution x-ray imager. *Proceedings of SPIE*, **2017**, 10137,	1.7	2
84	Initial evaluation of a convolutional neural network used for noninvasive assessment of coronary artery disease severity from coronary computed tomography angiography data. *Medical Physics*, **2020**, 47, 3996-4004	4.4	2
83	A Patient Dose-Reduction Technique for Neuroendovascular Image-Guided Interventions: Image-Quality Comparison Study. *American Journal of Neuroradiology*, **2018**, 39, 734-741	4.4	2
82	Investigation of metrics to assess vascular flow modifications for diverter device designs using hydrodynamics and angiographic studies. *Proceedings of SPIE*, **2012**, 8317, 83170F	1.7	2
81	Dose Reduction Technique Using a Combination of a Region of Interest (ROI) Material X-Ray Attenuator and Spatially Different Temporal Filtering for Fluoroscopic Interventions. *Proceedings of SPIE*, **2012**, 8313, 831357	1.7	2
80	Graphics Processing Unit (GPU) implementation of image processing algorithms to improve system performance of the Control, Acquisition, Processing, and Image Display System (CAPIDS) of the Micro-Angiographic Fluoroscope (MAF). *Proceedings of SPIE*, **2012**, 8313, 83134C	1.7	2
79	High-resolution MRI of the mouse cerebral vasculature to study hemodynamic-induced vascular remodeling **2019**,		2

78	Use of a convolutional neural network for aneurysm identification in digital subtraction angiography **2019**,		2
77	SU-FF-I-45: Labview Graphical User Interface for Micro Angio-Fluoroscopic High Resolution Detector. *Medical Physics*, **2006**, 33, 2007-2007	4.4	2
76	SU-GG-I-183: Parameterization of Time-Density Curves (TDC) and Regional-TDCs to Quantify Flow Modification Inside Aneurysms Treated with Flow-Modifying Devices (FMD) Following Endovascular Image-Guided Interventions. *Medical Physics*, **2010**, 37, 3143-3144	4.4	2
75	High-Definition Zoom Mode, a High-Resolution X-Ray Microscope for Neurointerventional Treatment Procedures: A Blinded-Rater Clinical-Utility Study. *American Journal of Neuroradiology*, **2019**, 40, 302-308	4.4	2
74	Enhancing performance of a computed tomography perfusion software for improved prediction of final infarct volume in acute ischemic stroke patients. *Neuroradiology Journal*, **2021**, 34, 222-237	2	2
73	Use of biplane quantitative angiographic imaging with ensemble neural networks to assess reperfusion status during mechanical thrombectomy. *Proceedings of SPIE*, **2021**, 11597,	1.7	2
72	Use of a convolutional neural network to identify infarct core using computed tomography perfusion parameters. *Proceedings of SPIE*, **2021**, 11596,	1.7	2
71	Sensitivity evaluation of DSA-based parametric imaging using Doppler ultrasound in neurovascular phantoms. *Proceedings of SPIE*, **2016**, 9788,	1.7	1
70	Investigation of signal thresholding to reduce the effects of instrument noise of an EMCCD based micro-CT system. *Proceedings of SPIE*, **2016**, 9788,	1.7	1
69	Quantitative comparison using Generalized Relative Object Detectability (G-ROD) metrics of an amorphous selenium detector with high resolution Microangiographic Fluoroscopes (MAF) and standard flat panel detectors (FPD). *Proceedings of SPIE*, **2016**, 9783,	1.7	1
68	Investigation of Noise and Contrast Sensitivity of an Electron Multiplying Charge-Coupled Device (EMCCD) based Cone Beam Micro-CT System. *Proceedings of SPIE*, **2016**, 9783,	1.7	1
67	Focal Spot Deblurring for High Resolution Direct Conversion X-ray Detectors. *Proceedings of SPIE*, **2016**, 9783,	1.7	1
66	Implementation of material decomposition using an EMCCD and CMOS-based micro-CT system. *Proceedings of SPIE*, **2017**, 10137,	1.7	1
65	Micro-Computed tomography (CT) based assessment of dental regenerative therapy in the canine mandible model. *Proceedings of SPIE*, **2015**, 9417,	1.7	1
64	Detector system comparison using relative CNR for specific imaging tasks related to neuro-endovascular image-guided interventions (neuro-EIGIs). *Proceedings of SPIE*, **2014**, 9033, 903321	1.7	1
63	Evaluation of embolic deflection device using optical particle tracking. *Proceedings of SPIE*, **2013**, 8672,	1.7	1
62	Image acquisition, geometric correction and display of images from a 2D x-ray detector array based on Electron Multiplying Charge Coupled Device (EMCCD) technology. *Proceedings of SPIE*, **2013**, 8668,	1.7	1
61	Quantitative analysis of an enlarged area Solid State X-ray Image Intensifier (SSXII) detector based on Electron Multiplying Charge Coupled Device (EMCCD) technology. *Proceedings of SPIE*, **2013**, 8668,	1.7	1

60	Analysis of dental abfractions by optical coherence tomography **2010**,		1
59	Ceramic and polymeric dental onlays evaluated by photo-elasticity, optical coherence tomography, and micro-computed tomography **2011**,		1
58	SEM and microCT validation for en face OCT imagistic evaluation of endodontically treated human teeth **2011**,		1
57	Graphical User Interface for a Dual-Module EMCCD X-ray Detector Array. *Proceedings of SPIE*, **2011**, 7961,	1.7	1
56	Experimental comparison of cone beam CT (CBCT) reconstruction and multi-view reconstruction (MVR) for microangiography (MA) detector system. *Proceedings of SPIE*, **2006**, 6142,	1.7	1
55	CT investigation of patient-specific phantoms with coronary artery disease **2018**,		1
54	Use of patient specific 3D printed (3DP) neurovascular phantoms for mechanical assessment of devices used in image guided minimally invasive procedures **2018**,		1
53	A simulation platform using 3D printed neurovascular phantoms for clinical utility evaluation of new imaging technologies. *Proceedings of SPIE*, **2018**, 10578,	1.7	1
52	Controlled compliancy of 3D printed vascular patient specific phantoms **2019**,		1
51	SU-FF-I-63: Reproducibility of Guidewire Positioning and Stent Path for Endovascular Interventions. *Medical Physics*, **2005**, 32, 1918-1918	4.4	1
50	SU-E-I-192: Improved High-Resolution Imaging through an Aneurysm Coil Mass Using the MAF Compared with a Flat Panel Detector. *Medical Physics*, **2011**, 38, 3440-3440	4.4	1
49	SU-D-134-03: Design Considerations for a Dose-Reducing Region of Interest (ROI) Attenuator Built in the Collimator Assembly of a Fluoroscopic Interventional C-Arm. *Medical Physics*, **2013**, 40, 112-112	4.4	1
48	SU-E-QI-06: Design and Initial Validation of a Precise Capillary Phantom to Test Perfusion Systems. *Medical Physics*, **2014**, 41, 378-378	4.4	1
47	SU-D-204-05: Quantitative Comparison of a High Resolution Micro-Angiographic Fluoroscopic (MAF) Detector with a Standard Flat Panel Detector (FPD) Using the New Metric of Generalized Measured Relative Object Detectability (GM-ROD). *Medical Physics*, **2015**, 42, 3217-3217	4.4	1
46	SU-E-I-48: Noise Reduction with Over-Sampling for High Resolution Detectors Using a Spread Function Convolution Method. *Medical Physics*, **2015**, 42, 3252-3252	4.4	1
45	MO-FF-A4-03: Testing of the High-Resolution ROI Micro-Angio Fluoroscope (MAF) Detector Using a Modified NEMA XR-21 Phantom. *Medical Physics*, **2009**, 36, 2713-2713	4.4	1
44	SU-E-I-31: Evaluating Brain Imaging Material (BIM) as a Brain Tissue Surrogate for Use in Neuro-Endovascular Imaged Guided Intervention (EIGI) Research. *Medical Physics*, **2012**, 39, 3632	4.4	1
43	The Aneurysm Occlusion Assistant, an AI platform for real time surgical guidance of intracranial aneurysms. *Proceedings of SPIE*, **2021**, 11601,	1.7	1

42	Evaluation of challenges and limitations of mechanical thrombectomy using 3D printed neurovascular phantoms. *Proceedings of SPIE*, **2021**, 11601,	1.7	1
41	Investigation of convolutional neural networks using multiple computed tomography perfusion maps to identify infarct core in acute ischemic stroke patients. *Journal of Medical Imaging*, **2021**, 8, 014505	1.6	1
40	New variable porosity flow diverter (VPOD) stent design for treatment of cerebrovascular aneurysms. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 1105-8	0.9	0
39	Workflow for the use of a high-resolution image detector in endovascular interventional procedures. *Proceedings of SPIE*, **2014**, 9033, 90335S	1.7	
38	MO-E-I-609-04: New Detector for Low Dose Cone Beam Computed Tomographic (CT) Mammography Based On Microchannel Plate Image Amplifiers. *Medical Physics*, **2005**, 32, 2065-2065	4.4	
37	TH-C-I-611-03: Three-Dimensional Reconstruction of An Asymmetric Vessel Phantom Using Two X-Ray Projections. *Medical Physics*, **2005**, 32, 2157-2157	4.4	
36	SU-FF-I-62: Planning Image-Guided Endovascular Interventions: Models to Determine Point-Specific Vessel Tortuousity. *Medical Physics*, **2005**, 32, 1918-1918	4.4	
35	WE-C-330A-04: Effect of Projection Angles Used in Multi-View Reconstruction (MVR) Using Images From a Microangiographic (MA) Detector and An Image-Intensifier (II) System. *Medical Physics*, **2006**, 33, 2229-2229	4.4	
34	WE-C-L100J-04: The Solid State X-Ray Image Intensifier (SSXII): A Next-Generation High-Resolution Fluoroscopic Detector System. *Medical Physics*, **2007**, 34, 2585-2585	4.4	
33	SU-FF-I-128: Regional Time Density Curves (R-TDC) Derived From Angiographic Sequences for Analysis of Aneurysmal Flow Modification Resulting From Endovascular Image-Guided Interventions. *Medical Physics*, **2007**, 34, 2367-2367	4.4	
32	MO-D-332-07: Update On the Development of a New Dual Detector (Micro-Angiographic Fluoroscope/Flat Panel) C-Arm Mounted System for Endovascular Image Guided Interventions (EIGI). *Medical Physics*, **2008**, 35, 2870-2870	4.4	
31	TH-C-332-02: First Implementation of High-Resolution Dual-Detector Region-Of-Interest Cone-Beam Computed Tomography (ROI-CBCT) for a Rotating C-Arm Gantry System. *Medical Physics*, **2008**, 35, 2976-2977	4.4	
30	MO-D-332-04: Implementation of Variable Temporal Filtering in a High-Resolution, Region-Of-Interest, High-Sensitivity, Micro-Angiographic Fluoroscope (HSMAF) Detector. *Medical Physics*, **2008**, 35, 2869-2870	4.4	
29	SU-DD-A4-04: Micro Angiographic and Fluoroscopic Real-Time Image Data Handling Using Parallel Coding Techniques in LabVIEW. *Medical Physics*, **2008**, 35, 2636-2636	4.4	
28	SU-E-CAMPUS-I-04: Automatic Skin-Dose Mapping for An Angiographic System with a Region-Of-Interest, High-Resolution Detector. *Medical Physics*, **2014**, 41, 385-385	4.4	
27	SU-E-T-143: Effect of X-Ray and Cone Beam CT Reconstruction Parameters On Estimation of Bone Volume of Mice Used in Aging Research. *Medical Physics*, **2014**, 41, 255-255	4.4	
26	SU-E-I-83: Parallel Programming Upgrades for the Control Acquisition, Processing and Image Display System (CAPIDS) of the Micro Angiographic Fluoroscope (MAF). *Medical Physics*, **2014**, 41, 149-149	4.4	
25	WE-E-18A-12: Sampling Correction of Parametric Imaging Maps Derived From Digital Subtraction Angiography in Vascular Phantoms. *Medical Physics*, **2014**, 41, 512-512	4.4	

24	SU-C-18C-05: Evaluation of Endovascular Procedures Using Precise Patient Specific Phantoms Created Using Additive Manufacturing. *Medical Physics*, **2014**, 41, 103-103	4.4
23	WE-G-204-04: Focal Spot Deblurring For High Resolution Amorphous Selenium (aSe) Complementary Metal Oxide Semiconductor (CMOS) X-Ray Detector. *Medical Physics*, **2015**, 42, 3694-3694	4.4
22	TU-FG-209-10: Phantom Simulation Method to Evaluate the Clinical Utility of the High-Resolution Micro-Angiographic Fluoroscope Complementary Metal Oxide Semiconductor (MAF-CMOS) Detector. *Medical Physics*, **2016**, 43, 3762-3763	4.4
21	TU-H-CAMPUS-IeP3-02: Neurovascular 4D Parametric Imaging Using Co-Registration of Biplane DSA Sequences with 3D Vascular Geometry Obtained From Cone Beam CT. *Medical Physics*, **2016**, 43, 3784-3785	4.4
20	SU-C-209-01: Validation of the Simulated Detectability Metric (G-ROD) Using the Experimental Generalized Measured Relative Object Detectability Metric (GM-ROD). *Medical Physics*, **2016**, 43, 3328-3328	4.4
19	TH-C-210A-04: New High Resolution Dynamic Detectors and Flow Modifying Stents for Neuro-Endovascular Image Guided Interventions. *Medical Physics*, **2009**, 36, 2805-2806	4.4
18	WE-C-304A-05: Angiographic Analysis of Aneurysms Treated with a Novel Self-Expanding Asymmetric Vascular Stents (SAVS). *Medical Physics*, **2009**, 36, 2765-2765	4.4
17	SU-FF-I-170: Control, Acquisition, Processing, and Image Display System (CAPIDS) for the Solid-State X-Ray Image Intensifier (SSXII). *Medical Physics*, **2009**, 36, 2474-2474	4.4
16	SU-FF-I-171: New High-Resolution Detector Changer for a Clinical Fluoroscopic C-Arm Unit. *Medical Physics*, **2009**, 36, 2474-2474	4.4
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