

C Ionita

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.

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	Comparison of fluid dynamics changes due to physical activity in 3D printed patient specific coronary phantoms with the Windkessel equivalent model of coronary flow.. <i>3D Printing in Medicine</i> , 2022 , 8, 10	5	
166	Validation of an artificial intelligence-driven large vessel occlusion detection algorithm for acute ischemic stroke patients. <i>Neuroradiology Journal</i> , 2021 , 34, 408-417	2	6
165	Assessment of an Artificial Intelligence Algorithm for Detection of Intracranial Hemorrhage. <i>World Neurosurgery</i> , 2021 , 150, e209-e217	2.1	9
164	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. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 130-135	7.8	15
163	CT artifact correction for sparse and truncated projection data using generative adversarial networks. <i>Medical Physics</i> , 2021 , 48, 615-626	4.4	6
162	Semi-automated measurement of vascular tortuosity and its implications for mechanical thrombectomy performance. <i>Neuroradiology</i> , 2021 , 63, 381-389	3.2	7
161	Enhancing performance of a computed tomography perfusion software for improved prediction of final infarct volume in acute ischemic stroke patients. <i>Neuroradiology Journal</i> , 2021 , 34, 222-237	2	2
160	Use of quantitative angiographic methods with a data-driven model to evaluate reperfusion status (mTICI) during thrombectomy. <i>Neuroradiology</i> , 2021 , 63, 1429-1439	3.2	5
159	Use of biplane quantitative angiographic imaging with ensemble neural networks to assess reperfusion status during mechanical thrombectomy. <i>Proceedings of SPIE</i> , 2021 , 11597,	1.7	2
158	Use of a convolutional neural network to identify infarct core using computed tomography perfusion parameters. <i>Proceedings of SPIE</i> , 2021 , 11596,	1.7	2
157	The Aneurysm Occlusion Assistant, an AI platform for real time surgical guidance of intracranial aneurysms. <i>Proceedings of SPIE</i> , 2021 , 11601,	1.7	1
156	Evaluation of challenges and limitations of mechanical thrombectomy using 3D printed neurovascular phantoms. <i>Proceedings of SPIE</i> , 2021 , 11601,	1.7	1
155	Investigation of convolutional neural networks using multiple computed tomography perfusion maps to identify infarct core in acute ischemic stroke patients. <i>Journal of Medical Imaging</i> , 2021 , 8, 014505 ^{2,6}		1
154	Use of patient specific 3D printed neurovascular phantoms to simulate mechanical thrombectomy. <i>3D Printing in Medicine</i> , 2021 , 7, 32	5	3
153	Automated Collateral Flow Assessment in Patients with Acute Ischemic Stroke Using Computed Tomography with Artificial Intelligence Algorithms. <i>World Neurosurgery</i> , 2021 , 155, e748-e760	2.1	4
152	Patient-specific 3D-printed coronary models based on coronary computed tomography angiography volumes to investigate flow conditions in coronary artery disease. <i>Biomedical Physics and Engineering Express</i> , 2020 , 6, 045007	1.5	5
151	Design and Physical Properties of 3-Dimensional Printed Models Used for Neurointervention: A Systematic Review of the Literature. <i>Neurosurgery</i> , 2020 , 87, E445-E453	3.2	12

150	Initial evaluation of a convolutional neural network used for noninvasive assessment of coronary artery disease severity from coronary computed tomography angiography data. <i>Medical Physics</i> , 2020 , 47, 3996-4004	4.4	2
149	Effect of computed tomography perfusion post-processing algorithms on optimal threshold selection for final infarct volume prediction. <i>Neuroradiology Journal</i> , 2020 , 33, 273-285	2	5
148	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. <i>American Journal of Neuroradiology</i> , 2020 , 41, 206-212	4.4	18
147	Performance of angiographic parametric imaging in locating infarct core in large vessel occlusion acute ischemic stroke patients. <i>Journal of Medical Imaging</i> , 2020 , 7, 016001	2.6	3
146	Method to simulate distal flow resistance in coronary arteries in 3D printed patient specific coronary models. <i>3D Printing in Medicine</i> , 2020 , 6, 19	5	8
145	Automatic radiomic feature extraction using deep learning for angiographic parametric imaging of intracranial aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 417-421	7.8	19
144	Feasibility study for use of angiographic parametric imaging and deep neural networks for intracranial aneurysm occlusion prediction. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 714-719	7.8	12
143	Inter- and Intraoperator Variability in Measurement of On-Site CT-derived Fractional Flow Reserve Based on Structural and Fluid Analysis: A Comprehensive Analysis. <i>Radiology: Cardiothoracic Imaging</i> , 2019 , 1, e180012	8.3	4
142	Initial evaluation of three-dimensionally printed patient-specific coronary phantoms for CT-FFR software validation. <i>Journal of Medical Imaging</i> , 2019 , 6, 021603	2.6	8
141	High-resolution MRI of the mouse cerebral vasculature to study hemodynamic-induced vascular remodeling 2019 ,		2
140	Initial study of the radiomics of intracranial aneurysms using Angiographic Parametric Imaging (API) to evaluate contrast flow changes 2019 ,		5
139	Controlled compliancy of 3D printed vascular patient specific phantoms 2019 ,		1
138	Use of a convolutional neural network for aneurysm identification in digital subtraction angiography 2019 ,		2
137	High-Definition Zoom Mode, a High-Resolution X-Ray Microscope for Neurointerventional Treatment Procedures: A Blinded-Rater Clinical-Utility Study. <i>American Journal of Neuroradiology</i> , 2019 , 40, 302-308	4.4	2
136	Assessment of distal access catheter performance during neuroendovascular procedures: measuring force in three-dimensional patient specific phantoms. <i>Journal of NeuroInterventional Surgery</i> , 2019 , 11, 619-622	7.8	12
135	A Patient Dose-Reduction Technique for Neuroendovascular Image-Guided Interventions: Image-Quality Comparison Study. <i>American Journal of Neuroradiology</i> , 2018 , 39, 734-741	4.4	2
134	Antimicrobial Peptide Combined with BMP2-Modified Mesenchymal Stem Cells Promotes Calvarial Repair in an Osteolytic Model. <i>Molecular Therapy</i> , 2018 , 26, 199-207	11.7	22
133	3D Printed Cardiovascular Patient Specific Phantoms Used for Clinical Validation of a CT-derived FFR Diagnostic Software. <i>Proceedings of SPIE</i> , 2018 , 10578,	1.7	11

132	CT investigation of patient-specific phantoms with coronary artery disease 2018 ,		1
131	Use of patient specific 3D printed (3DP) neurovascular phantoms for mechanical assessment of devices used in image guided minimally invasive procedures 2018 ,		1
130	A simulation platform using 3D printed neurovascular phantoms for clinical utility evaluation of new imaging technologies. <i>Proceedings of SPIE</i> , 2018 , 10578,	1.7	1
129	9.4T Magnetic Resonance Imaging of the Mouse Circle of Willis Enables Serial Characterization of Flow-Induced Vascular Remodeling by Computational Fluid Dynamics. <i>Current Neurovascular Research</i> , 2018 , 15, 312-325	1.8	4
128	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
127	Three-dimensional printing of MRI-visible phantoms and MR image-guided therapy simulation. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 613-622	4.4	48
126	Three-dimensional printing of MRI-visible phantoms and MR image-guided therapy simulation. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, C1	4.4	2
125	Use of patient specific 3D printed neurovascular phantoms to evaluate the clinical utility of a high resolution x-ray imager. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	2
124	Design Optimization for Accurate Flow Simulations in 3D Printed Vascular Phantoms Derived from Computed Tomography Angiography. <i>Proceedings of SPIE</i> , 2017 , 10138,	1.7	10
123	Initial Simulated FFR Investigation Using Flow Measurements in Patient-specific 3D Printed Coronary Phantoms. <i>Proceedings of SPIE</i> , 2017 , 10138,	1.7	8
122	3D Printed Abdominal Aortic Aneurysm Phantom for Image Guided Surgical Planning with a Patient Specific Fenestrated Endovascular Graft System. <i>Proceedings of SPIE</i> , 2017 , 10138,	1.7	20
121	Implementation of material decomposition using an EMCCD and CMOS-based micro-CT system. <i>Proceedings of SPIE</i> , 2017 , 10137,	1.7	1
120	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. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 122	8.3	24
119	Hybrid Biomaterial with Conjugated Growth Factors and Mesenchymal Stem Cells for Ectopic Bone Formation. <i>Tissue Engineering - Part A</i> , 2016 , 22, 928-39	3.9	21
118	Sensitivity evaluation of DSA-based parametric imaging using Doppler ultrasound in neurovascular phantoms. <i>Proceedings of SPIE</i> , 2016 , 9788,	1.7	1
117	Investigation of signal thresholding to reduce the effects of instrument noise of an EMCCD based micro-CT system. <i>Proceedings of SPIE</i> , 2016 , 9788,	1.7	1
116	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). <i>Proceedings of SPIE</i> , 2016 , 9783,	1.7	1
115	Investigation of Noise and Contrast Sensitivity of an Electron Multiplying Charge-Coupled Device (EMCCD) based Cone Beam Micro-CT System. <i>Proceedings of SPIE</i> , 2016 , 9783,	1.7	1

114	Focal Spot Deblurring for High Resolution Direct Conversion X-ray Detectors. <i>Proceedings of SPIE</i> , 2016 , 9783,	1.7	1
113	Stent retriever thrombectomy with the Cover accessory device versus proximal protection with a balloon guide catheter: in vitro stroke model comparison. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 413-7	7.8	39
112	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. <i>Medical Physics</i> , 2016 , 43, 3781-3781 ³	4.4	13
111	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. <i>Medical Physics</i> , 2016 , 43, 3762-3763	4.4	
110	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. <i>Medical Physics</i> , 2016 , 43, 3784-3785	7.4	
109	SU-C-209-01: Validation of the Simulated Detectability Metric (G-ROD) Using the Experimental Generalized Measured Relative Object Detectability Metric (GM-ROD). <i>Medical Physics</i> , 2016 , 43, 3328-3328	4.4	
108	Assessment of Vascular Geometry for Bilateral Carotid Artery Ligation to Induce Early Basilar Terminus Aneurysmal Remodeling in Rats. <i>Current Neurovascular Research</i> , 2016 , 13, 82-92	1.8	11
107	3D Printed Cardiac Phantom for Procedural Planning of a Transcatheter Native Mitral Valve Replacement. <i>Proceedings of SPIE</i> , 2016 , 9789,	1.7	19
106	Advanced 3D Mesh Manipulation in Stereolithographic Files and Post-Print Processing for the Manufacturing of Patient-Specific Vascular Flow Phantoms. <i>Proceedings of SPIE</i> , 2016 , 9789,	1.7	8
105	Comparison of modern stroke thrombectomy approaches using an in vitro cerebrovascular occlusion model. <i>American Journal of Neuroradiology</i> , 2015 , 36, 547-51	4.4	53
104	Primary stentriever versus combined stentriever plus aspiration thrombectomy approaches: in vitro stroke model comparison. <i>Journal of NeuroInterventional Surgery</i> , 2015 , 7, 453-7	7.8	57
103	Micro-Computed tomography (CT) based assessment of dental regenerative therapy in the canine mandible model. <i>Proceedings of SPIE</i> , 2015 , 9417,	1.7	1
102	Region-of-interest cone beam computed tomography (ROI CBCT) with a high resolution CMOS detector. <i>Proceedings of SPIE</i> , 2015 , 9412,	1.7	5
101	Treatment Planning for Image-Guided Neuro-Vascular Interventions Using Patient-Specific 3D Printed Phantoms. <i>Proceedings of SPIE</i> , 2015 , 9417,	1.7	31
100	Initial testing of a 3D printed perfusion phantom using digital subtraction angiography. <i>Proceedings of SPIE</i> , 2015 , 9417,	1.7	10
99	Angiographic analysis for phantom simulations of endovascular aneurysm treatments with a new fully retrievable asymmetric flow diverter. <i>Proceedings of SPIE</i> , 2015 , 9417,	1.7	3
98	Three-dimensional printing to facilitate anatomic study, device development, simulation, and planning in thoracic surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 149, 973-9.e1	1.5	104
97	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). <i>Medical Physics</i> , 2015 , 42, 3217-3217	4.4	1

96	SU-E-I-48: Noise Reduction with Over-Sampling for High Resolution Detectors Using a Spread Function Convolution Method. <i>Medical Physics</i> , 2015 , 42, 3252-3252	4.4	1
95	WE-G-204-04: Focal Spot Deblurring For High Resolution Amorphous Selenium (aSe) Complementary Metal Oxide Semiconductor (CMOS) X-Ray Detector. <i>Medical Physics</i> , 2015 , 42, 3694-3694	4.4	1
94	Detector system comparison using relative CNR for specific imaging tasks related to neuro-endovascular image-guided interventions (neuro-EIGIs). <i>Proceedings of SPIE</i> , 2014 , 9033, 90332I	1.7	1
93	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. <i>Proceedings of SPIE</i> , 2014 , 9033, 90332F	1.7	4
92	Workflow for the use of a high-resolution image detector in endovascular interventional procedures. <i>Proceedings of SPIE</i> , 2014 , 9033, 90335S	1.7	
91	Effect of injection technique on temporal parametric imaging derived from digital subtraction angiography in patient specific phantoms. <i>Proceedings of SPIE</i> , 2014 , 9038, 90380L	1.7	15
90	Challenges and limitations of patient-specific vascular phantom fabrication using 3D Polyjet printing. <i>Proceedings of SPIE</i> , 2014 , 9038, 90380M	1.7	73
89	SU-E-QI-06: Design and Initial Validation of a Precise Capillary Phantom to Test Perfusion Systems. <i>Medical Physics</i> , 2014 , 41, 378-378	4.4	1
88	SU-E-CAMPUS-I-04: Automatic Skin-Dose Mapping for An Angiographic System with a Region-Of-Interest, High-Resolution Detector. <i>Medical Physics</i> , 2014 , 41, 385-385	4.4	
87	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. <i>Medical Physics</i> , 2014 , 41, 255-255	4.4	
86	SU-E-I-83: Parallel Programming Upgrades for the Control Acquisition, Processing and Image Display System (CAPIIDS) of the Micro Angiographic Fluoroscope (MAF). <i>Medical Physics</i> , 2014 , 41, 149-149	4.4	
85	WE-E-18A-12: Sampling Correction of Parametric Imaging Maps Derived From Digital Subtraction Angiography in Vascular Phantoms. <i>Medical Physics</i> , 2014 , 41, 512-512	4.4	
84	SU-C-18C-05: Evaluation of Endovascular Procedures Using Precise Patient Specific Phantoms Created Using Additive Manufacturing. <i>Medical Physics</i> , 2014 , 41, 103-103	4.4	
83	Dose Reduction in Fluoroscopic Interventions Using a Combination of a Region of Interest (ROI) X-Ray Attenuator and Spatially-Different, Temporally-Variable Temporal Filtering. <i>Proceedings of SPIE</i> , 2013 , 8668, 86683Y	1.7	4
82	Evaluation of embolic deflection device using optical particle tracking. <i>Proceedings of SPIE</i> , 2013 , 8672,	1.7	1
81	Image acquisition, geometric correction and display of images from a 2 \times x-ray detector array based on Electron Multiplying Charge Coupled Device (EMCCD) technology. <i>Proceedings of SPIE</i> , 2013 , 8668,	1.7	1
80	Quantitative analysis of an enlarged area Solid State X-ray Image Intensifier (SSXII) detector based on Electron Multiplying Charge Coupled Device (EMCCD) technology. <i>Proceedings of SPIE</i> , 2013 , 8668,	1.7	1
79	Design considerations for a new, high resolution Micro-Angiographic Fluoroscope based on a CMOS sensor (MAF-CMOS). <i>Proceedings of SPIE</i> , 2013 , 8668,	1.7	6

78	Endovascular coil embolization of a very small ruptured aneurysm using a novel microangiographic technique: technical note. <i>Journal of NeuroInterventional Surgery</i> , 2013 , 5, e2	7.8	15
77	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. <i>Medical Physics</i> , 2013 , 40, 112-112	4.4	1
76	TU-A-116-06: Pre and Post-Treatment Temporal Parametric Analysis of Neurovascular Disease Using Gamma Variate Fitting of Time Density Curves From DSA Sequences. <i>Medical Physics</i> , 2013 , 40, 427-427	4.4	
75	SU-E-I-23: X-Ray Attenuation Comparison for Four Head Phantoms at the Circle of Willis. <i>Medical Physics</i> , 2013 , 40, 130-130	4.4	
74	SU-E-I-17: Micro CT Analysis of Results of Protein Deficiency On Rat Offspring. <i>Medical Physics</i> , 2013 , 40, 128-128	4.4	
73	SU-E-I-22: Performance Evaluation of a Commercial CMOS Detector for Dynamic High-Resolution Imaging. <i>Medical Physics</i> , 2013 , 40, 129-130	4.4	
72	TU-A-116-07: Comparison and Evaluation of Commercially Available CMOS X-Ray Detectors for Neurological Endovascular Image Guided Interventions (neuro-EIGITs). <i>Medical Physics</i> , 2013 , 40, 427-427	4.4	
71	Investigation of metrics to assess vascular flow modifications for diverter device designs using hydrodynamics and angiographic studies. <i>Proceedings of SPIE</i> , 2012 , 8317, 83170F	1.7	2
70	Dose Reduction Technique Using a Combination of a Region of Interest (ROI) Material X-Ray Attenuator and Spatially Different Temporal Filtering for Fluoroscopic Interventions. <i>Proceedings of SPIE</i> , 2012 , 8313, 831357	1.7	2
69	New head equivalent phantom for task and image performance evaluation representative for neurovascular procedures occurring in the Circle of Willis. <i>Proceedings of SPIE</i> , 2012 , 8313, 83130Q	1.7	6
68	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). <i>Proceedings of SPIE</i> , 2012 , 8313, 83134C	1.7	2
67	Region-of-Interest Micro-Angiographic Fluoroscope Detector Used in Aneurysm and Artery Stenosis Diagnoses and Treatment. <i>Proceedings of SPIE</i> , 2012 , 8313,	1.7	5
66	TU-A-218-03: Effect of the Flow Diverter Resistance on the Aneurysm Angiographic Time Density Curves. <i>Medical Physics</i> , 2012 , 39, 3894-3894	4.4	
65	SU-E-I-27: Effect of Focal Spot Choice on the System Performance of a High- Resolution Micro-Angiographic Fluoroscope (MAF) Detector. <i>Medical Physics</i> , 2012 , 39, 3631	4.4	
64	SU-C-218-02: Real-Time Adaptive Correction for Varying Source-To-Image-Distance (SID) for a Novel Region of Interest (ROI) Fluoroscopy Dose Reduction Technique Involving Spatially Different Temporal Filtering. <i>Medical Physics</i> , 2012 , 39, 3608-3609	4.4	
63	TU-A-218-04: Phantom Studies of a Newly Developed Solid State X-Ray Image Intensifier (SSXII) for X-Ray Image Guided Neurovascular Interventions. <i>Medical Physics</i> , 2012 , 39, 3894-3895	4.4	
62	SU-E-I-26: Estimation of Micro-Angiographic Fluoroscope (MAF) Gain Settings for Digital Subtraction Angiography (DSA) Based on the Fluoroscopic Exposure. <i>Medical Physics</i> , 2012 , 39, 3630-3631	4.4	
61	SU-E-I-31: Evaluating Brain Imaging Material (BIM) as a Brain Tissue Surrogate for Use in Neuro-Endovascular Imaged Guided Intervention (EIGI) Research. <i>Medical Physics</i> , 2012 , 39, 3632	4.4	1

60	Use of the microangiographic fluoroscope for coiling of intracranial aneurysms. <i>Neurosurgery</i> , 2011 , 69, 1131-8	3.2	25
59	A theoretical and experimental evaluation of the microangiographic fluoroscope: A high-resolution region-of-interest x-ray imager. <i>Medical Physics</i> , 2011 , 38, 4112-26	4.4	24
58	Evaluation of a second-generation self-expanding variable-porosity flow diverter in a rabbit elastase aneurysm model. <i>American Journal of Neuroradiology</i> , 2011 , 32, 1399-407	4.4	21
57	Spatially different, real-time temporal filtering and dose reduction for dynamic image guidance during neurovascular interventions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6192-5	0.9	5
56	Ceramic and polymeric dental onlays evaluated by photo-elasticity, optical coherence tomography, and micro-computed tomography 2011 ,		1
55	SEM and microCT validation for en face OCT imagistic evaluation of endodontically treated human teeth 2011 ,		1
54	Graphical User Interface for a Dual-Module EMCCD X-ray Detector Array. <i>Proceedings of SPIE</i> , 2011 , 7961,	1.7	1
53	Angiographic imaging evaluation of patient-specific bifurcation-aneurysm phantom treatment with pre-shaped, self-expanding, flow-diverting stents: feasibility study. <i>Proceedings of SPIE</i> , 2011 , 7965, 79651H1-79651H9	1.7	1
52	New variable porosity flow diverter (VPOD) stent design for treatment of cerebrovascular aneurysms. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 1105-8	0.9	0
51	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. <i>Medical Physics</i> , 2011 , 38, 3440-3440	4.4	3
50	SU-E-I-192: Improved High-Resolution Imaging through an Aneurysm Coil Mass Using the MAF Compared with a Flat Panel Detector. <i>Medical Physics</i> , 2011 , 38, 3440-3440	4.4	1
49	SU-E-I-194: Motion Detection Based Adaptive Temporal Filtering for Image Guided Procedures Using the High Resolution Microangiographic Fluoroscope (MAF). <i>Medical Physics</i> , 2011 , 38, 3441-3441	4.4	
48	SU-E-I-193: Dynamic Gain Adjustment of a High Resolution Microangiographic Fluoroscope (MAF) for Improved Imaging of Intracranial Aneurysm Coiling. <i>Medical Physics</i> , 2011 , 38, 3441-3441	4.4	
47	TU-C-211-06: Practical Operational Considerations for Clinical Usage of the Micro- Angio Fluoroscope (MAF) in Neuro-Vascular Interventions. <i>Medical Physics</i> , 2011 , 38, 3760-3760	4.4	
46	The Micro-Angiographic Fluoroscope (MAF) in High Definition (HD) Mode for Improved Contrast-to-Noise Ratio and Resolution in Fluoroscopy and Roadmapping. <i>IEEE Nuclear Science Symposium Conference Record</i> , 2010 , 3217-3220		5
45	Aneurysmal changes at the basilar terminus in the rabbit elastase aneurysm model. <i>American Journal of Neuroradiology</i> , 2010 , 31, E35-6; author reply E37	4.4	4
44	Assessment of contrast flow modification in aneurysms treated with closed-cell self-deploying asymmetric vascular stents (SAVS). <i>Proceedings of SPIE</i> , 2010 , 7626,	1.7	6
43	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. <i>Proceedings of SPIE</i> , 2010 , 7622,	1.7	11

42	Analysis of dental abfractions by optical coherence tomography 2010 ,		1
41	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. <i>Medical Physics</i> , 2010 , 37, 3143-3144	4.4	2
40	SU-GG-I-184: New Graphical User Interface for the Solid State X-Ray Image Intensifier (SSXII). <i>Medical Physics</i> , 2010 , 37, 3144-3144	4.4	
39	The asymmetric vascular stent: efficacy in a rabbit aneurysm model. <i>Stroke</i> , 2009 , 40, 959-65	6.7	33
38	Angiographic analysis of animal model aneurysms treated with novel polyurethane asymmetric vascular stent (P-AVS): feasibility study. <i>Proceedings of SPIE</i> , 2009 , 7262, 72621H1-72621H10	1.7	6
37	Partially polyurethane-covered stent for cerebral aneurysm treatment. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 89, 415-429	3.5	9
36	Self-calibration of a cone-beam micro-CT system. <i>Medical Physics</i> , 2009 , 36, 48-58	4.4	49
35	TH-C-210A-04: New High Resolution Dynamic Detectors and Flow Modifying Stents for Neuro-Endovascular Image Guided Interventions. <i>Medical Physics</i> , 2009 , 36, 2805-2806	4.4	
34	WE-C-304A-05: Angiographic Analysis of Aneurysms Treated with a Novel Self-Expanding Asymmetric Vascular Stents (SAVS). <i>Medical Physics</i> , 2009 , 36, 2765-2765	4.4	
33	MO-FF-A4-03: Testing of the High-Resolution ROI Micro-Angio Fluoroscope (MAF) Detector Using a Modified NEMA XR-21 Phantom. <i>Medical Physics</i> , 2009 , 36, 2713-2713	4.4	1
32	SU-FF-I-170: Control, Acquisition, Processing, and Image Display System (CAPIDS) for the Solid-State X-Ray Image Intensifier (SSXII). <i>Medical Physics</i> , 2009 , 36, 2474-2474	4.4	
31	SU-FF-I-171: New High-Resolution Detector Changer for a Clinical Fluoroscopic C-Arm Unit. <i>Medical Physics</i> , 2009 , 36, 2474-2474	4.4	
30	Endovascular image-guided treatment of in-vivo model aneurysms with asymmetric vascular stents (AVS): evaluation with time-density curve angiographic analysis and histology. <i>Proceedings of SPIE</i> , 2008 , 6916, 6916OP	1.7	8
29	Asymmetric vascular stent: feasibility study of a new low-porosity patch-containing stent. <i>Stroke</i> , 2008 , 39, 2105-13	6.7	26
28	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). <i>Proceedings of SPIE</i> , 2008 , 6918, 69181I	1.7	18
27	Investigation of new flow modifying endovascular image-guided interventional (EIGI) techniques in patient-specific aneurysm phantoms (PSAPs) using optical imaging. <i>Proceedings of SPIE</i> , 2008 , 6918, 69181V	1.7	13
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