Aldo Badano

List of Publications by Year
in descending order

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220	3,060	201674	206112
papers	citations	27	48
		h-index	g-index

227	227	227	2086
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of display performance for medical imaging systems: Executive summary of AAPM TG18 report. Medical Physics, 2005, 32, 1205-1225.	3.0	290
2	Accelerating Monte Carlo simulations of photon transport in a voxelized geometry using a massively parallel graphics processing unit. Medical Physics, 2009, 36, 4878-4880.	3.0	264
3	Evaluation of Digital Breast Tomosynthesis as Replacement of Full-Field Digital Mammography Using an In Silico Imaging Trial. JAMA Network Open, 2018, 1, e185474.	5.9	121
4	Observer Variability in the Interpretation of HER2/neu Immunohistochemical Expression With Unaided and Computer-Aided Digital Microscopy. Archives of Pathology and Laboratory Medicine, 2011, 135, 233-242.	2.5	106
5	Channelized Hotelling observers for the assessment of volumetric imaging data sets. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1145.	1.5	84
6	Consistency and Standardization of Color in Medical Imaging: a Consensus Report. Journal of Digital Imaging, 2015, 28, 41-52.	2.9	78
7	Monte Carlo reference data sets for imaging research: Executive summary of the report of AAPM Research Committee Task Group 195. Medical Physics, 2015, 42, 5679-5691.	3.0	76
8	MANTIS: combined x-ray, electron and optical Monte Carlo simulations of indirect radiation imaging systems. Physics in Medicine and Biology, 2006, 51, 1545-1561.	3.0	70
9	AAPM/RSNA Tutorial on Equipment Selection: PACS Equipment Overview. Radiographics, 2004, 24, 313-334.	3.3	62
10	A statistical, taskâ€based evaluation method for threeâ€dimensional xâ€ray breast imaging systems using variableâ€background phantoms. Medical Physics, 2010, 37, 6253-6270.	3.0	56
11	Lubberts effect in columnar phosphors. Medical Physics, 2004, 31, 3122-3131.	3.0	55
12	High-Fidelity Electronic Display of Digital Radiographs. Radiographics, 1999, 19, 1653-1669.	3.3	53
13	Image quality degradation by light scattering in display devices. Journal of Digital Imaging, 1999, 12, 50-59.	2.9	46
14	Observer variability in the interpretation of HER2/neu immunohistochemical expression with unaided and computer-aided digital microscopy. Archives of Pathology and Laboratory Medicine, 2011, 135, 233-42.	2.5	46
15	AAPM/RSNA Tutorial on Equipment Selection: PACS Equipment Overview. Radiographics, 2004, 24, 879-889.	3.3	41
16	Angular dependence of the luminance and contrast in medical monochrome liquid crystal displays. Medical Physics, 2003, 30, 2602-2613.	3.0	40
17	penMeshâ€”Monte Carlo Radiation Transport Simulation in a Triangle Mesh Geometry. IEEE Transactions on Medical Imaging, 2009, 28, 1894-1901.	8.9	40
18	A fast, angle-dependent, analytical model of CsI detector response for optimization of 3D x-ray breast imaging systems. Medical Physics, 2010, 37, 2593-2605.	3.0	37

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19	Monte Carlo analysis of the spectral photon emission and extraction efficiency of organic light-emitting devices. Journal of Applied Physics, 2001, 90, 1827-1830.	2.5	35
20	Anisotropic imaging performance in breast tomosynthesis. Medical Physics, 2007, 34, 4076-4091.	3.0	35
21	An anthropomorphic phantom for quantitative evaluation of breast MRI. Medical Physics, 2011, 38, 743-753.	3.0	35
22	Anisotropic imaging performance in indirect x-ray imaging detectors. Medical Physics, 2006, 33, 2698-2713.	3.0	33
23	Incorporating Human Contrast Sensitivity in Model Observers for Detection Tasks. IEEE Transactions on Medical Imaging, 2009, 28, 339-347.	8.9	33
24	Small-angle X-ray scattering method to characterize molecular interactions: Proof of concept. Scientific Reports, 2015, 5, 12085.	3.3	33
25	Digital Mammography Image Quality: Image Display. Journal of the American College of Radiology, 2006, 3, 615-627.	1.8	32
26	Optical blur and collection efficiency in columnar phosphors for X-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 467-479.	1.6	30
27	Noise in flat-panel displays with subpixel structure. Medical Physics, 2004, 31, 715-723.	3.0	29
28	Method for measuring veiling glare in high-performance display devices. Applied Optics, 2000, 39, 2059.	2.1	28
29	Experimental validation of Monte Carlo (<scp>MANTIS</scp>) simulated xâ€ray response of columnar CsI scintillator screens. Medical Physics, 2009, 36, 4944-4956.	3.0	24
30	Modelling the transport of optical photons in scintillation detectors for diagnostic and radiotherapy imaging. Physics in Medicine and Biology, 2017, 62, R207-R235.	3.0	24
31	Technical Note: In silico imaging tools from the VICTRE clinical trial. Medical Physics, 2019, 46, 3924-3928.	3.0	24
32	An energy- and depth-dependent model for x-ray imaging. Medical Physics, 2004, 31, 3132-3149.	3.0	23
33	X-ray properties of an anthropomorphic breast phantom for MRI and x-ray imaging. Physics in Medicine and Biology, 2011, 56, 3513-3533.	3.0	23
34	Mammography and breast tomosynthesis simulator for virtual clinical trials. Computer Physics Communications, 2021, 261, 107779.	7.5	23
35	Oblique incidence effects in direct xâ€ray detectors: A firstâ€order approximation using a physicsâ€based analytical model. Medical Physics, 2011, 38, 2095-2098.	3.0	22
36	Transverse chromatic aberration in virtual reality head-mounted displays. Optics Express, 2019, 27, 24877.	3.4	22

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37		3.0	21
38	Image Browsing in Slow Medical Liquid Crystal Displays. Academic Radiology, 2008, 15, 370-382.	2.5	21
39	Optimization of digital breast tomosynthesis (DBT) acquisition parameters for human observers: effect of reconstruction algorithms. Physics in Medicine and Biology, 2017, 62, 2598-2611.	3.0	21
40	Stable gelatin-based phantom materials with tunable x-ray attenuation properties and 3D printability for x-ray imaging. Physics in Medicine and Biology, 2018, 63, 09NT01.	3.0	21
41	Evaluation Challenges for the Application of Extended Reality Devices in Medicine. Journal of Digital Imaging, 2022, 35, 1409-1418.	2.9	21
42	Monte Carlo simulation of X-ray imaging using a graphics processing unit. , 2009, , .		20
43	Spatiotemporal Monte Carlo transport methods in x-ray semiconductor detectors: Application to pulse-height spectroscopy in a-Se. Medical Physics, 2011, 39, 308-319.	3.0	19
44	Light output measurements and computational models of microcolumnar CsI scintillators for xâ€ray imaging. Medical Physics, 2015, 42, 600-605.	3.0	19
45	Image Quality Characteristics of Handheld Display Devices for Medical Imaging. PLoS ONE, 2013, 8, e79243.	2.5	18
46	The Effect of Ambient Illumination on Handheld Display Image Quality. Journal of Digital Imaging, 2014, 27, 12-18.	2.9	18
47	In silico imaging clinical trials: cheaper, faster, better, safer, and more scalable. Trials, 2021, 22, 64.	1.6	18
48	Assessing color performance of wholeâ€slide imaging scanners for digital pathology. Color Research and Application, 2019, 44, 322-334.	1.6	17
49	Estimating breast tomosynthesis performance in detection tasks with variable-background phantoms. Proceedings of SPIE, 2009, , .	0.8	16
50	Efficiency of the human observer for detecting a Gaussian signal at a known location in non-Gaussian distributed lumpy backgrounds. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 911.	1.5	15
51	hybrid$scriptsize{mathrm{MANTIS}}$: a CPUâ€“GPU Monte Carlo method for modeling indirect x-ray detectors with columnar scintillators. Physics in Medicine and Biology, 2012, 57, 2357-2372.	3.0	15
52	Structural evaluation of an amyloid fibril model using small-angle x-ray scattering. Physical Biology, 2017, 14, 046001.	1.8	15
53	Goniometric and conoscopic measurements of angular display contrast for one-, three-, five-, and nine-million-pixel medical liquid crystal displays. Medical Physics, 2004, 31, 3452-3460.	3.0	14
54	Effect of Viewing Angle on Luminance and Contrast for a Five-Million-Pixel Monochrome Display and a Nine-Million-Pixel Color Liquid Crystal Display. Journal of Digital Imaging, 2004, 17, 264-270.	2.9	14

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55	Monte Carlo simulation of a realistic anatomical phantom described by triangle meshes: Application to prostate brachytherapy imaging. Radiotherapy and Oncology, 2008, 86, 99-103.	0.6	14
56	Veiling glare point-spread function of medical imaging monitors. , 1999, , .		13
57	Accurate small-spot luminance measurements. Displays, 2002, 23, 177-182.	3.7	13
58	Precision of gray level response time measurements of medical liquid crystal display. Review of Scientific Instruments, 2006, 77, 065104.	1.3	13
59	Singular value description of a digital radiographic detector: Theory and measurements. Medical Physics, 2008, 35, 4744-4756.	3.0	13
60	Development and characterization of a dynamic lesion phantom for the quantitative evaluation of dynamic contrast-enhanced MRI. Medical Physics, 2011, 38, 5601-5611.	3.0	13
61	<title>Luminance effects on display resolution and noise</title>. , 2002, 4681, 305.		12
62	Monte Carlo Modeling of the Light Transport in Polymer Light-Emitting Devices on Plastic Substrates. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 37-44.	2.9	12
63	Comparison of conoscopic, telescopic, and goniometric methods for measuring angular emissions from medical liquid-crystal displays. Applied Optics, 2004, 43, 4999.	2.1	12
64	Effect of Oblique X-ray Incidence in Flat-Panel Computed Tomography of the Breast. IEEE Transactions on Medical Imaging, 2009, 28, 696-702.	8.9	12
65	<title>Depth-dependent phosphor blur in indirect x-ray imaging sensors</title>. , 2002, 4682, 94.		11
66	Detectability Decreases With Off-Normal Viewing in Medical Liquid Crystal Displays. Academic Radiology, 2006, 13, 210-218.	2.5	11
67	Validation of columnar CsI xâ€ray detector responses obtained with hybrid<scp>MANTIS</scp>, a CPUâ€GPU Monte Carlo code for coupled xâ€ray, electron, and optical transport. Medical Physics, 2013, 40, 031907.	3.0	11
68	Color Rendering in Medical Extended-Reality Applications. Journal of Digital Imaging, 2021, 34, 16-26.	2.9	11
69	<title>Image degradation by glare in radiologic display devices</title>. , 1997, 3031, 222.		10
70	Effect of viewing angle on visual detection in liquid crystal displays. , 2003, , .		10
71	Monte Carlo modeling of organic polymer light-emitting devices on flexible plastic substrates. , 2003, 4800, 156.		9
72	Monte Carlo package for simulating radiographic images of realistic anthropomorphic phantoms described by triangle meshes. , 2007, , .		9

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73	Monte Carlo simulation of amorphous selenium imaging detectors. , 2010, , .		9
74	A real-time radiation dose monitoring system for patients and staff during interventional fluoroscopy using a GPU-accelerated Monte Carlo simulator and an automatic 3D localization system based on a depth camera. Proceedings of SPIE, 2013, , .	0.8	9
75	Effect of color visualization and display hardware on the visual assessment of pseudocolor medical images. Medical Physics, 2015, 42, 2942-2954.	3.0	9
76	Monte Carlo X-ray transport simulation of small-angle X-ray scattering instruments using measured sample cross sections. Journal of Applied Crystallography, 2016, 49, 188-194.	4.5	9
77	Practical application of AAPM Report 270 in display quality assurance: A report of Task Group 270. Medical Physics, 2020, 47, e920-e928.	3.0	9
78	Feasibility of imaging amyloid in the brain using small-angle x-ray scattering. Biomedical Physics and Engineering Express, 2021, 7, 015008.	1.2	9
79	In silico imaging clinical trials for regulatory evaluation: initial considerations for VICTRE, a demonstration study. Proceedings of SPIE, 2017, , .	0.8	9
80	<title>Characterization of a high-quality monochrome AM-LCD monitor for digital radiology</title>. , 2002, , .		8
81	A practical method for measuring the H matrix of digital x-ray and cone beam CT imaging systems. , 2006, 6142, 652.		8
82	Visual methods for determining ambient illumination conditions when viewing medical images in mobile display devices. Journal of the Society for Information Display, 2012, 20, 124-132.	2.1	8
83	Computational reader design and statistical performance evaluation of an in-silico imaging clinical trial comparing digital breast tomosynthesis with full-field digital mammography. Journal of Medical Imaging, 2020, 7, 1.	1.5	8
84	13.2: Viewing Angle Comparison of IPS and VA Medical AMLCDs. Digest of Technical Papers SID International Symposium, 2005, 36, 192.	0.3	7
85	A gaze-contingent high-dynamic range display for medical imaging applications. , 2010, , .		7
86	Recombination models for spatio-temporal Monte Carlo transport of interacting carriers in semiconductors. Applied Physics Letters, 2011, 98, 242111.	3.3	7
87	Assessing color reproducibility of whole-slide imaging scanners. Proceedings of SPIE, 2013, , .	0.8	7
88	â€œHow much realism is needed?â€•â€” the wrong question in silico imagers have been asking. Medical Physics, 2017, 44, 1607-1609.	3.0	7
89	Characterization of materials embedded in thick objects using spectral small-angle x-ray scattering. Journal Physics D: Applied Physics, 2020, 53, 245302.	2.8	7
90	Using channelized Hotelling observers to quantify temporal effects of medical liquid crystal displays on detection performance. Proceedings of SPIE, 2010, , .	0.8	6

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91	Fast cardiac CT simulation using a graphics processing unit-accelerated Monte Carlo code. , 2010, , .		6
92	In silico imaging: Definition, possibilities and challenges. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S276-S280.	1.6	6
93	Does Veiling Glare in the Human Eye Hinder Detection in High-Dynamic-Range Displays?. Journal of Display Technology, 2012, 8, 273-282.	1.2	6
94	Spatial resolution and noise in organic light-emitting diode displays for medical imaging applications. Optics Express, 2013, 21, 28111.	3.4	6
95	33.2: Spatial Resolution Characteristics of Organic Lightâ€emitting Diode Displays: A comparative Analysis of MTF for Handheld and Workstation Formats. Digest of Technical Papers SID International Symposium, 2013, 44, 419-422.	0.3	6
96	Effect of Veiling Glare on Detectability in High-Dynamic-Range Medical Images. Journal of Display Technology, 2014, 10, 420-428.	1.2	6
97	Reducing the Memory Requirements of High Resolution Voxel Phantoms by Means of a Binary Tree Data Structure. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 76-82.	3.7	6
98	Reducing overfitting of a deep learning breast mass detection algorithm in mammography using synthetic images. , 2019, , .		6
99	Identification of amyloid plaques in the brain using an x-ray photon-counting strip detector. PLoS ONE, 2020, 15, e0228720.	2.5	6
100	<title>Experimental measurements of glare in cathode-ray tubes</title>. , 1998, , .		5
101	Modeling the bidirectional reflectance of emissive displays. Applied Optics, 2002, 41, 3847.	2.1	5
102	25.1: Luminance Probes for Contrast Measurements in Medical Displays. Digest of Technical Papers SID International Symposium, 2003, 34, 928.	0.3	5
103	Effect on DQE of screen energy weighting in mammography. , 2003, 5030, 319.		5
104	A method to estimate the point response function of digital x-ray detectors from edge measurements. , 2007, , .		5
105	Monte Carlo simulated coronary angiograms of realistic anatomy and pathology models. , 2007, , .		5
106	Evaluation of high-resolution and mobile display systems for digital radiology in dark and bright environments using human and computational observers. Journal of the Society for Information Display, 2007, 15, 357.	2.1	5
107	Effect of slow display on detectability when browsing large image datasets. Journal of the Society for Information Display, 2009, 17, 891-896.	2.1	5
108	Noise and signal detection in digital x-ray detectors using the spatial definition of SNR. , 2009, , .		5

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109	Volumetric detection tasks with varying complexity: human observer performance. , 2012, , .		5
110	Planar small-angle x-ray scattering imaging of phantoms and biological samples. Applied Physics Letters, 2017, 110, .	3.3	5
111	Label-free X-ray estimation of brain amyloid burden. Scientific Reports, 2020, 10, 20505.	3.3	5
112	Virtual clinical trial for task-based evaluation of a deep learning synthetic mammography algorithm. , 2019, , .		5
113	Part 1: Emerging Topics in Medical Displays. Information Display, 2011, 27, 24-26.	0.2	5
114	Fingerprint imager based on a-Si:H active-matrix photo-diode arrays. , 0, , .		4
115	Statistics of the scintillation output using a combined x-ray/electron/optical Monte Carlo method. , 2005, 5745, 361.		4
116	Combined x-ray/electron/optical Monte Carlo code based on PENELOPE and DETECT-II. , 2005, , .		4
117	Color measurement methods for medical displays. Journal of the Society for Information Display, 2006, 14, 979.	2.1	4
118	Assessment of Mobile Technologies for Displaying Medical Images. Journal of Display Technology, 2008, 4, 415-423.	1.2	4
119	Accurate color measurement methods for medical displays. Medical Physics, 2009, 37, 74-81.	3.0	4
120	A task-based evaluation method for x-ray breast imaging systems using variable-background phantoms. , 2009, , .		4
121	70.2: Virtual Display: A Platform for Evaluating Display Color Calibration Kits. Digest of Technical Papers SID International Symposium, 2011, 42, 1030-1033.	0.3	4
122	Effect of burst and recombination models for Monte Carlo transport of interacting carriers in a-Se x-ray detectors on Swank noise. Medical Physics, 2013, 41, 011904.	3.0	4
123	Computational observers and visualization methods for stereoscopic medical imaging. Optics Express, 2014, 22, 22246.	3.4	4
124	Technical Note: Gray tracking in medical color displays-A report of Task Group 196. Medical Physics, 2016, 43, 4017-4022.	3.0	4
125	Theoretical and Monte Carlo optimization of a stacked three-layer flat-panel x-ray imager for applications in multi-spectral diagnostic medical imaging. Proceedings of SPIE, 2016, 9783, .	0.8	4
126	Modeling charge transport in photon-counting detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 899, 115-121.	1.6	4

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127	Small-angle X-ray scattering characterization of a $$eta $$-amyloid model in phantoms. BMC Research Notes, 2020, 13, 128.	1.4	4
128	Monte Carlo Modeling of Glare in Cathode-Ray for Medical Imaging. Digest of Technical Papers SID International Symposium, 1998, 29, 495.	0.3	3
129	<title>Assessment of lesion detectability of Monte Carlo modeling of digital radiography systems</title>. , 2002, , .		3
130	Visual detection with non-Lambertian displays: model and human observer results. , 2005, , .		3
131	Guest Editorial Special Issue on Medical Display. Journal of Display Technology, 2008, 4, 354-355.	1.2	3
132	SKE/BKE task-based methodology for calculating Hotelling observer SNR in mammography. , 2009, , .		3
133	Fast Simulation of Radiographic Images Using a Monte Carlo X-Ray Transport Algorithm Implemented in CUDA. , 2011, , 813-829.		3
134	Computational observer approach for the assessment of stereoscopic visualizations for 3D medical images. Proceedings of SPIE, 2012, , .	0.8	3
135	An image-dependent model of veiling glare effects on detection performance in large-luminance-range displays. , 2012, , .		3
136	Analytic variance estimates of Swank and Fano factors. Medical Physics, 2014, 41, 072102.	3.0	3
137	Technical Note: On the efficiency of variance reduction techniques for Monte Carlo estimates of imaging noise. Medical Physics, 2018, 45, 629-634.	3.0	3
138	Small-angle X-ray scattering characteristics of mouse brain: Planar imaging measurements and tomographic imaging simulations. PLoS ONE, 2017, 12, e0186451.	2.5	3
139	<title>Performance of low-voltage phosphors in emissive flat panel displays for radiologic applications</title>. , 1996, 2707, 312.		2
140	Small Spot Contrast Measurements in High Performance Displays. Digest of Technical Papers SID International Symposium, 1999, 30, 516.	0.3	2
141	<title>Characterization of crosstalk in high-resolution active matrix liquid crystal displays for medical imaging</title>. , 2001, , .		2
142	Monte Carlo simulation of a CsI-based flat-panel imager for mammography. , 2004, 5368, 411.		2
143	Visual Assessment of Angular Response in Medical Liquid Crystal Displays. Journal of Digital Imaging, 2006, 19, 240-248.	2.9	2
144	A contrast-sensitive channelized-Hotelling observer to predict human performance in a detection task using lumpy backgrounds and Gaussian signals. , 2007, , .		2

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145	Characterization of mobile display systems for use in medical imaging. , 2007, , .		2
146	An efficient depth- and energy-dependent Monte Carlo model for columnar CsI detectors. , 2008, , .		2
147	Characterization and simulation of linear scintillator arrays for low-energy x-ray detection. Measurement Science and Technology, 2008, 19, 115504.	2.6	2
148	Channelized hotelling observers for the detection of 2D signals in 3D simulated images. , 2009, , .		2
149	Predicting Perceived Image Quality: A Critique of Lin and Kuo (2011). Perceptual and Motor Skills, 2012, 114, 236-238.	1.3	2
150	A GPU-optimized binary space partition structure to accelerate the Monte Carlo simulation of CT projections of voxelized patient models with metal implants. , 2012, , .		2
151	Sharpness and noise characteristics of a halfâ€mirror stereoscopic display. Journal of the Society for Information Display, 2014, 22, 170-176.	2.1	2
152	Characterization of crosstalk in stereoscopic display devices. Journal of the Society for Information Display, 2014, 22, 613-622.	2.1	2
153	Depth-of-interaction estimates in pixelated scintillator sensors using Monte Carlo techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 841, 117-123.	1.6	2
154	P2â€368: SAXS IMAGING OF AMYLOID AGGREGATES IN HUMANS WITHOUT CONTRAST AGENT. Alzheimer's and Dementia, 2018, 14, P834.	0.8	2
155	Feasibility of a label-free X-ray method to estimate brain amyloid load in small animals. Journal of Neuroscience Methods, 2020, 343, 108822.	2.5	2
156	Monte Carlo Simulation of a-Se X-ray Detectors for Breast Imaging: Effect of Nearest-Neighbor Recombination Algorithm on Swank Noise. Lecture Notes in Computer Science, 2012, , 575-582.	1.3	2
157	FDA fosters innovative approaches in research, resources and collaboration. Nature Machine Intelligence, 2022, 4, 97-98.	16.0	2
158	<title>Luminance response calibration using multiple display channels</title>. , 2001, , .		1
159	Digital indirect-detection x-ray imagers with microlens focusing: effects of Fresnel reflections from the microlens layer. , 2003, , .		1
160	Human efficiency for detecting Gaussian signals in non-Gaussian distributed lumpy backgrounds using different display characteristics and scaling methods. , 2006, , .		1
161	Temporal response measurements of medical liquid crystal displays. , 2006, 6141, 247.		1
162	Three-dimensional columnar CsI model for x-ray imaging system simulations using MANTIS: validating for noise, blur, and light output. , 2006, 6142, 296.		1

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163	Accurate color measurement methods for medical displays. , 2007, , .		1
164	15.2:Distinguished Paper: Assessment of Temporal Blur-Reduction Methods Using a Computational Observer that Predicts Human Performance. Digest of Technical Papers SID International Symposium, 2007, 38, 967-970.	0.3	1
165	Validation of simulated point response of columnar phosphor screens. , 2007, , .		1
166	Quantitative exploration of performance enhancements offered by active matrix x-ray imagers fabricated on plastic substrates. , 2007, , .		1
167	Assessment of display temporal response using a computational observer. Journal of the Society for Information Display, 2008, 16, 21.	2.1	1
168	Task specific evaluation of clinical full field digital mammography systems using the Fourier definition of the Hotelling observer SNR. Proceedings of SPIE, 2010, , .	0.8	1
169	24.2: Estimating the Perceptual Limits of Mobile Displays. Digest of Technical Papers SID International Symposium, 2011, 42, 305-308.	0.3	1
170	Uncertainty of Monte Carlo variance estimates: application to the simulation of x-ray imaging detectors. Proceedings of SPIE, 2013, , .	0.8	1
171	GOTHIC. , 2013, , .		1
172	30.3: Comparison of On-Screen Display-based and ICC Profile-based Calibration for OLED Displays. Digest of Technical Papers SID International Symposium, 2013, 44, 376-379.	0.3	1
173	Tablets and Other Handheld Display Devices for Medical Imaging: An Imageâ€Quality Perspective. Information Display, 2013, 29, 24-28.	0.2	1
174	Web-based, GPU-accelerated, Monte Carlo simulation and visualization of indirect radiation imaging detector performance. Medical Physics, 2014, 41, 121907.	3.0	1
175	DQE simulation of a-Se x-ray detectors using ARTEMIS. Proceedings of SPIE, 2016, , .	0.8	1
176	Method to study sample object size limit of small-angle x-ray scattering computed tomography. Proceedings of SPIE, 2016, , .	0.8	1
177	Alzheimer's disease imaging biomarkers using small-angle x-ray scattering. Proceedings of SPIE, 2016, , .	0.8	1
178	Method for Adapting the Grayscale Standard Display Function to the Aging Eye. Journal of Digital Imaging, 2017, 30, 17-25.	2.9	1
179	Small-angle x-ray scattering cross-section measurements of imaging materials. Biomedical Physics and Engineering Express, 2017, 3, 025023.	1.2	1
180	Labelâ€free Xâ€ray technique for distinguishing 5XFAD from wildâ€type mice. Alzheimer's and Dementia, 2020, 16, e043608.	0.8	1

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181	10.1063/1.3599602.1. , 2011, , .		1
182	Display methods for adjustable grayscale and luminance depth. Proceedings of SPIE, 2008, , .	0.8	1
183	Quantitative Assessment of Color Tracking and Gray Tracking in Color Medical Displays. Color and Imaging Conference, 2019, 2019, 349-354.	0.2	1
184	<title>Color and contrast perception in monochrome medical imaging flat-panel displays</title>. , 2001, 4324, 1.		0
185	Depth-of-interaction effects in columnar phosphors for exponential X-ray absorption. , 0, , .		0
186	Introduction: Special Section on Image Quality Assessment Methods for the Design and Optimization of Display Systems. Journal of the Society for Information Display, 2006, 14, 829.	2.1	0
187	9.2: Temporal and Color Measurements in Medical Displays. Digest of Technical Papers SID International Symposium, 2006, 37, 97.	0.3	0
188	Characterization of the linear scintillator array signal response as a function of x-ray impact parameter. , 2007, , .		0
189	Effect of slow display on stack-mode reading of volumetric image datasets using an anthropomorphic observer. , 2007, , .		0
190	Display considerations for quantitative radiology. Drug Discovery Today: Technologies, 2007, 4, 29-32.	4.0	0
191	Feasibility study for photon counting detector for high resolution pre clinical SPECT. , 2008, , .		0
192	Assessment of temporal display using observers. Proceedings of SPIE, 2008, , .	0.8	0
193	P-244L: Late-News Poster: Noise and Resolution in a Dual-Layer LCD. Digest of Technical Papers SID International Symposium, 2008, 39, 1537.	0.3	0
194	73.5L: Late-News Paper: Observer Strategies for Assessment of Temporal Response â€" Effect of Technology. Digest of Technical Papers SID International Symposium, 2008, 39, 1142.	0.3	0
195	P-4: A Reconfigurable Stereomicroscopic Imaging System for Digital Pathology. Digest of Technical Papers SID International Symposium, 2010, 41, 1237.	0.3	0
196	Comparing experimental measurements of indirect x-ray detector responses with Monte Carlo predictions: figures of merit and model development. Proceedings of SPIE, 2010, , .	0.8	0
197	Part 1: Emerging Topics in Medical Displays. Information Display, 2011, 27, 24-26.	0.2	0
198	Part 2: Pre-Clinical Assessment of Medical Displays for Regulatory Evaluation. Information Display, 2011, 27, 28-31.	0.2	0

#	Article	IF	Citations
199	31.3: Experimental Methodology to Measure the Veiling Glare Limit for Detection Tasks in High-Dynamic-Range Displays. Digest of Technical Papers SID International Symposium, 2011, 42, 416-419.	0.3	0
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