

# Koichi Ogawa

## List of Publications by Year in descending order

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113  
papers

1,107  
citations

516710

16  
h-index

454955

30  
g-index

113  
all docs

113  
docs citations

113  
times ranked

820  
citing authors

#	ARTICLE	IF	CITATIONS
1	A cycle generative adversarial network for improving the quality of four-dimensional cone-beam computed tomography images. Radiation Oncology, 2022, 17, 69.	2.7	7
2	Ring-Artifact Correction With Total-Variation Regularization for Material Images in Photon-Counting CT. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 568-577.	3.7	3
3	Quantitative evaluation of deep convolutional neural network-based image denoising for low-dose computed tomography. Visual Computing for Industry, Biomedicine, and Art, 2021, 4, 21.	3.7	11
4	Influence of pulse pile-up effects on material decomposition with photon-counting CT. , 2020, , .		2
5	Evaluation of Reconstructed Images With Electron Tracking Compton Camera. , 2020, , .		0
6	Development of a rotational setâ€­up correction device for stereotactic head radiation therapy: A performance evaluation. Journal of Applied Clinical Medical Physics, 2019, 20, 206-212.	1.9	5
7	Comparison of a Multi-pinhole Stationary SPECT System and a Parallel-hole High Speed Rotational SPECT system. , 2019, , .		3
8	Energy calibration of a photon-counting CT with K-edge absorption features. , 2019, , .		0
9	Image Reconstruction With an Electron Tracking Compton Camera. , 2019, , .		1
10	Appropriate treatment planning method for field joint dose in total body irradiation using helical tomotherapy. Medical Dosimetry, 2019, 44, 344-353.	0.9	8
11	Effect of region extraction and assigned mass-density values on the accuracy of dose calculation with magnetic resonance-based volumetric arc therapy planning. Radiological Physics and Technology, 2018, 11, 174-183.	1.9	2
12	List Mode Image Reconstruction With a Multi-pinhole Triple Head SPECT System. , 2018, , .		0
13	Speckle noise reduction of optical coherence tomography images with a wavelet transform. , 2018, , .		7
14	A Layered Collimator for Radiographic Imaging. , 2017, , .		0
15	Image Fusion With a Dental Panoramic X-ray Image and Face Image Acquired With a KINECT. , 2017, , .		1
16	Simulation Study on a Stationary SPECT System With Multi-pinhole Collimators. , 2017, , .		1
17	Multi-Pinhole spect system with a triple head gamma camera. , 2016, , .		3
18	Estimation of an atomic density with a singular value decomposition method using a photon-counting X-ray CT. , 2016, , .		0

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19	Acceleration of image reconstruction with a ray-driven method using a GPGPU. , 2015, , .		0
20	Statistical investigation on strength of friction-welded joints of titanium to copper. Strength, Fracture and Complexity, 2015, 9, 137-148.	0.3	0
21	Usefulness of an energy-binned photon-counting x-ray detector for dental panoramic radiographs. Proceedings of SPIE, 2015, , .	0.8	1
22	The cadmium telluride photon counting sensor in panoramic radiology: gray value separation and its potential application for bone density evaluation. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2015, 120, 636-643.	0.4	5
23	Feasibility study on pinhole camera system for online dosimetry in boron neutron capture therapy. Applied Radiation and Isotopes, 2014, 88, 139-142.	1.5	4
24	Simulation study on a stationary data acquisition SPECT system with multi-pinhole collimators attached to a triple-head gamma camera system. Annals of Nuclear Medicine, 2014, 28, 716-724.	2.2	11
25	Identification of a region including metals in the projection data using an energy discriminating photon counting detector. , 2014, , .		1
26	Simulation study of a pinhole SPECT system with a triple head gamma camera. , 2014, , .		0
27	Aperture correction with an asymmetrically trimmed Gaussian weight in SPECT with a fan-beam collimator. Annals of Nuclear Medicine, 2013, 27, 661-668.	2.2	0
28	Simultaneous dual-isotope imaging based on an artificial neural network for evaluating myocardial perfusion and fatty acid metabolism. Journal of Nuclear Cardiology, 2013, 20, 396-405.	2.1	7
29	Extraction of cervical vertebrae from panoramic X-ray images. , 2013, , .		2
30	Evaluation of CT images in the very low x-ray exposure with a photon counting detector with a CdTe semiconductor. , 2013, , .		0
31	Dose calculation with a cone beam CT image in image-guided radiation therapy. Radiological Physics and Technology, 2013, 6, 107-114.	1.9	21
32	Multi-head gamma camera system with CdZnTe semiconductor detectors. , 2013, , .		0
33	Material decomposition using a singular value decomposition method. , 2013, , .		0
34	CBCT image reconstruction of a moving target with an on-board imaging system for radiation therapy. , 2013, , .		0
35	K-edge imaging with a photon counting CT system. , 2013, , .		0
36	Removal of the Shadow of Cervical Vertebrae from Panoramic X-Ray Images with a Tomosynthesis Method. Open Journal of Medical Imaging, 2013, 03, 156-164.	0.2	0

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37	Adaptive Noise Reduction of Scintigrams with a Wavelet Transform. International Journal of Biomedical Imaging, 2012, 2012, 1-7.	3.9	9
38	Development of a multi-pinhole brain SPECT system with CdZnTe semiconductor detectors. , 2012, , .		1
39	Accuracy of linear attenuation coefficients measured with a photon counting CT system. , 2012, , .		1
40	Development of robust video-oculography system for non-invasive autonomic nerve quantification. , 2012, , .		3
41	Three-phase general border detection method for dermoscopy images using non-uniform illumination correction. Skin Research and Technology, 2012, 18, 290-300.	1.6	34
42	Development of an energy-binned photon-counting detector for X-ray and gamma-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 664, 29-37.	1.6	49
43	Automated Reconstruction Algorithm for Identification of 3D Architectures of Cribriform Ductal Carcinoma In Situ. PLoS ONE, 2012, 7, e44011.	2.5	14
44	Robust video-oculography for non-invasive autonomic nerve quantification. , 2011, 2011, 494-7.		2
45	Initial evaluation of linear and spatially oriented planar images from a new dental panoramic system based on tomosynthesis. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2011, 112, 375-382.	1.4	16
46	Comparison of a pixelated semiconductor detector and a non-pixelated scintillation detector in pinhole SPECT system for small animal study. Annals of Nuclear Medicine, 2011, 25, 143-150.	2.2	10
47	Electron-tracking Compton gamma-ray camera for small animal and phantom imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 606-607.	1.6	25
48	Imaging study of a phantom and small animal with a two-head electron-tracking Compton gamma-ray camera. , 2010, , .		0
49	New myocardial SPECT system with CdZnTe semiconductor detectors. , 2010, , .		0
50	Correction of patient movement with a phase-only correlation method in a SPECT study. , 2010, , .		0
51	Identification of a material with a photon counting x-ray CT system. , 2010, , .		6
52	Classification of melanocytic skin lesions from non-melanocytic lesions. , 2010, 2010, 5407-10.		17
53	Development of a novel border detection method for melanocytic and non-melanocytic dermoscopy images. , 2010, 2010, 5403-6.		10
54	Feasibility Study on an Ultra-High-Resolution SPECT With CdTe Detectors. IEEE Transactions on Nuclear Science, 2010, 57, 17-24.	2.0	31

#	ARTICLE	IF	CITATIONS
55	Imaging reagents study for nuclear medicine using an electron-tracking Compton gamma-ray camera. , 2009, , .		0
56	Development of a prototype semiconductor gamma-camera system. , 2009, , .		2
57	Image restoration in the dual advanced Compton camera system. , 2009, , .		1
58	Noise reduction and contrast enhancement for small-dose X-ray images in wavelet domain. , 2009, , .		8
59	Development of an ultra-high resolution SPECT system with a CdTe semiconductor detector. Annals of Nuclear Medicine, 2009, 23, 763-770.	2.2	36
60	SPECT imaging with a semiconductor detector and a diverging collimator. IFMBE Proceedings, 2009, , 836-839.	0.3	1
61	An improved Internet-based melanoma screening system with dermatologist-like tumor area extraction algorithm. Computerized Medical Imaging and Graphics, 2008, 32, 566-579.	5.8	201
62	Computer-Based Classification of Dermoscopy Images of Melanocytic Lesions on Acral Volar Skin. Journal of Investigative Dermatology, 2008, 128, 2049-2054.	0.7	60
63	Parameterization of Dermoscopic Findings for the Internet-based Melanoma Screening System. , 2007, , .		10
64	A novel approach to the visualization of four-dimensional cerebral angiography with cine angiography data measured at several views. , 2007, , .		0
65	Scatter correction based on an artificial neural network for <sup>99m</sup> Tc and <sup>123</sup> I dual-isotope SPECT in myocardial and brain imaging. Annals of Nuclear Medicine, 2007, 21, 25-32.	2.2	11
66	Effect of Heat Input, Burn-off Length and Burr Shape on Strength of A6061 Alloy Inertia Type Friction Welding Joint. Journal of High Temperature Society, 2006, 32, 145-150.	0.1	1
67	Development of Semiconductor Gamma-Camera System with CdZnTe Detectors. , 2006, , .		4
68	Object Description for Increasing a Calculation Speed of the Photon Transportation in a Monte Carlo Method. , 2006, , .		0
69	Photon Counting X-ray CT System with a Semiconductor Detector. , 2006, , .		10
70	Ultra-High Resolution X-Ray CT System with a CdTe Detector. , 2006, , .		0
71	Acquiring localization of permanent radioactive sources ( <sup>125</sup> I) in prostate brachytherapy. , 2006, , .		0
72	Quantitative assessment of tumour extraction from dermoscopy images and evaluation of computer-based extraction methods for an automatic melanoma diagnostic system. Melanoma Research, 2006, 16, 183-190.	1.2	91

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73	Fatigue strength of friction-welded 6061 aluminum alloy joints. Keikinzoku/Journal of Japan Institute of Light Metals, 2006, 56, 366-370.	0.4	1
74	Statistical fatigue properties of 2017 and 6061 aluminum alloy similar and dissimilar friction-welded joints. Keikinzoku/Journal of Japan Institute of Light Metals, 2006, 56, 2-7.	0.4	4
75	Development of a collimator blurring compensation method using fine angular sampling projection data in SPECT. Annals of Nuclear Medicine, 2006, 20, 337-340.	2.2	3
76	Analytical correction methods for aperture and attenuation effects in SPECT. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgB0, Overlock 10 Tf 50		
77	Simulation Study on an Energy-Modulated X-ray CT. , 2006, , .		1
78	Simulation Study on an Ultra-High Resolution SPECT with CdTe Detectors. , 2006, , .		5
79	Advanced Compton Camera with the ability in electron tracking based on Micro Pixel Gas Detector for Medical Imaging. , 2006, , .		5
80	Influence of photon scattering and attenuation on ROI analysis in brain perfusion single-photon emission tomographic imaging of normal subjects. Annals of Nuclear Medicine, 2005, 19, 567-572.	2.2	3
81	Evaluation of iterative methods for aperture correction in SPECT. Systems and Computers in Japan, 2005, 36, 23-32.	0.2	4
82	Image distortion and correction in single photon emission CT. Annals of Nuclear Medicine, 2004, 18, 171-185.	2.2	26
83	Image reconstruction with a source space tree algorithm for Compton CT. Systems and Computers in Japan, 2003, 34, 1-9.	0.2	0
84	Effects of upset timing on heat input and joint strength in friction welding of a 6061 aluminum alloy.. Keikinzoku/Journal of Japan Institute of Light Metals, 2003, 53, 43-49.	0.4	5
85	Formation of Intermetallic Compounds in Friction-Welded Joint of Aluminum Alloys to Copper and its Influence on Joint Efficiency. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2003, 21, 381-388.	0.5	11
86	Obtaining location of I-125 seed sources for the prostate brachytherapy. Igaku Butsuri: Nihon Igaku Butsuri Gakkai Kikanshi = Japanese Journal of Medical Physics: an Official Journal of Japan Society of Medical Physics, 2003, 23, 132-9.	0.0	0
87	Tensile and fatigue strength of friction welded joints between 6061 aluminum alloy and S35C carbon steel.. Keikinzoku/Journal of Japan Institute of Light Metals, 2002, 52, 204-209.	0.4	2
88	Relationship between diameter of base material and heat input in friction welding of 6061 aluminum alloy.. Keikinzoku/Journal of Japan Institute of Light Metals, 2002, 52, 7-11.	0.4	5
89	Selection of projection sets and order of calculation in ordered subsets expectation maximization method. Systems and Computers in Japan, 2002, 33, 96-102.	0.2	0
90	Evaluation of Tensile Strength and Fatigue Strength of 6061 Aluminum Alloy Friction Welded Joint.. Zairyo/Journal of the Society of Materials Science, Japan, 2001, 50, 961-967.	0.2	3

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91	Evaluation of Joint Strength of Friction-Welded Carbon Steel by Heat Input.. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2001, 19, 581-590.	0.5	5
92	Effect of heat input on joint performance in 6061 aluminum alloy friction welding.. Keikinzoku/Journal of Japan Institute of Light Metals, 2000, 50, 505-511.	0.4	16
93	Friction weldability of various aluminum alloy pipe to SUS304 stainless steel pipe.. Keikinzoku/Journal of Japan Institute of Light Metals, 1999, 49, 83-88.	0.4	11
94	Effect of machining process on the joint strength of friction welded joint of 6061 aluminum pipe and S25C carbon steel pipe.. Keikinzoku/Journal of Japan Institute of Light Metals, 1999, 49, 559-563.	0.4	2
95	Application of transmission scan-based attenuation compensation to scatter-corrected thallium-201 myocardial single-photon emission tomographic images. European Journal of Nuclear Medicine and Molecular Imaging, 1998, 25, 120-127.	6.4	17
96	Simultaneous acquisition of iodine-123 emission and technetium-99m transmission data for quantitative brain single-photon emission tomographic imaging. European Journal of Nuclear Medicine and Molecular Imaging, 1998, 25, 1537-1544.	6.4	13
97	Selection of Optimum Welding Condition and Evaluation of Joint Performance Using Friction Welding Behaviours. Study on Optimization of Welding Condition and Joint Properties in Friction Welding (2nd Report).. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 1998, 16, 18-24.	0.5	6
98	Evaluation of SPET quantification of simultaneous emission and transmission imaging of the brain using a multidetector SPET system with the TEW scatter compensation method and fan-beam collimation. European Journal of Nuclear Medicine and Molecular Imaging, 1996, 23, 1292-1299.	2.1	27
99	Friction Welding of 2017 and 6061 Aluminum Alloys to S45C Carbon Steel.. Zairyo/Journal of the Society of Materials Science, Japan, 1996, 45, 459-464.	0.2	17
100	Intermittently decelerated feed drilling of Ti-6%Al-4%V alloy.. Keikinzoku/Journal of Japan Institute of Light Metals, 1996, 46, 138-143.	0.4	11
101	Static strength of friction welded joint of 6061 aluminum alloy to SUS304 stainless steel.. Keikinzoku/Journal of Japan Institute of Light Metals, 1996, 46, 500-504.	0.4	13
102	Effects of heat-treatment on tensile properties of 2017/6061 aluminum alloy friction-welded joints.. Keikinzoku/Journal of Japan Institute of Light Metals, 1996, 46, 619-625.	0.4	2
103	A new decision rule for parameter $\hat{\Gamma}$ in MAP EM (OSL) reconstruction with the Gibbs prior. Annals of Nuclear Medicine, 1996, 10, 299-305.	2.2	0
104	Iterative correction method for shift-variant blurring caused by collimator aperture in SPECT. Annals of Nuclear Medicine, 1996, 10, 33-40.	2.2	11
105	Simulation study of triple-energy-window scatter correction in combined Tl-201, Tc-99m SPECT. Annals of Nuclear Medicine, 1994, 8, 277-281.	2.2	50
106	Low frequency vibratory drilling of Ti-6Al-4V alloy.. Keikinzoku/Journal of Japan Institute of Light Metals, 1992, 42, 633-637.	0.4	18
107	Drilling of Ti-6Al-4V alloy.. Keikinzoku/Journal of Japan Institute of Light Metals, 1992, 42, 389-394.	0.4	9
108	Optimization of friction welding condition of 5056 aluminum alloy.. Keikinzoku/Journal of Japan Institute of Light Metals, 1991, 41, 716-721.	0.4	6

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109	Burr in the intermittent decelerated feed drilling of aluminum.. Keikinzoku/Journal of Japan Institute of Light Metals, 1991, 41, 258-263.	0.4	2
110	Optimum contrast enhancement using fuzzy sets. Systems and Computers in Japan, 1991, 22, 52-60.	0.2	2
111	Measurement of cutting temperature of drill point and cutting characteristics during low frequency vibratory drilling of aluminum.. Keikinzoku/Journal of Japan Institute of Light Metals, 1990, 40, 171-175.	0.4	2
112	Correction Of Collimator Aperture Using A Shift-Variant Deconvolution Filter In Gamma Camera Emission CT. , 1988, 0914, 699.		19
113	Longitudinal ECT imaging using $\gamma$ camera. Systems and Computers in Japan, 1986, 17, 11-19.	0.2	0