

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	An improved Internet-based melanoma screening system with dermatologist-like tumor area extraction algorithm. <i>Computerized Medical Imaging and Graphics</i> , 2008, 32, 566-579.	5.8	201
2	Quantitative assessment of tumour extraction from dermoscopy images and evaluation of computer-based extraction methods for an automatic melanoma diagnostic system. <i>Melanoma Research</i> , 2006, 16, 183-190.	1.2	91
3	Computer-Based Classification of Dermoscopy Images of Melanocytic Lesions on Acral Volar Skin. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2049-2054.	0.7	60
4	Simulation study of triple-energy-window scatter correction in combined Tl-201, Tc-99m SPECT. <i>Annals of Nuclear Medicine</i> , 1994, 8, 277-281.	2.2	50
5	Development of an energy-binned photon-counting detector for X-ray and gamma-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 664, 29-37.	1.6	49
6	Development of an ultra-high resolution SPECT system with a CdTe semiconductor detector. <i>Annals of Nuclear Medicine</i> , 2009, 23, 763-770.	2.2	36
7	Three-phase general border detection method for dermoscopy images using non-uniform illumination correction. <i>Skin Research and Technology</i> , 2012, 18, 290-300.	1.6	34
8	Feasibility Study on an Ultra-High-Resolution SPECT With CdTe Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 17-24.	2.0	31
9	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. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996, 23, 1292-1299.	2.1	27
10	Image distortion and correction in single photon emission CT. <i>Annals of Nuclear Medicine</i> , 2004, 18, 171-185.	2.2	26
11	Electron-tracking Compton gamma-ray camera for small animal and phantom imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 623, 606-607.	1.6	25
12	Dose calculation with a cone beam CT image in image-guided radiation therapy. <i>Radiological Physics and Technology</i> , 2013, 6, 107-114.	1.9	21
13	Correction Of Collimator Aperture Using A Shift-Variant Deconvolution Filter In Gamma Camera Emission CT. , 1988, 0914, 699.		19
14	Low frequency vibratory drilling of Ti-6Al-4V alloy.. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 1992, 42, 633-637.	0.4	18
15	Friction Welding of 2017 and 6061 Aluminum Alloys to S45C Carbon Steel.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 1996, 45, 459-464.	0.2	17
16	Application of transmission scan-based attenuation compensation to scatter-corrected thallium-201 myocardial single-photon emission tomographic images. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 120-127.	6.4	17
17	Classification of melanocytic skin lesions from non-melanocytic lesions. , 2010, 2010, 5407-10.		17
18	Effect of heat input on joint performance in 6061 aluminum alloy friction welding.. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 2000, 50, 505-511.	0.4	16

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19	Initial evaluation of linear and spatially oriented planar images from a new dental panoramic system based on tomosynthesis. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011, 112, 375-382.	1.4	16
20	Automated Reconstruction Algorithm for Identification of 3D Architectures of Cribriform Ductal Carcinoma In Situ. <i>PLoS ONE</i> , 2012, 7, e44011.	2.5	14
21	Static strength of friction welded joint of 6061 aluminum alloy to SUS304 stainless steel.. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 1996, 46, 500-504.	0.4	13
22	Simultaneous acquisition of iodine-123 emission and technetium-99m transmission data for quantitative brain single-photon emission tomographic imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 1537-1544.	6.4	13
23	Intermittently decelerated feed drilling of Ti-6%Al-4%V alloy.. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 1996, 46, 138-143.	0.4	11
24	Iterative correction method for shift-variant blurring caused by collimator aperture in SPECT. <i>Annals of Nuclear Medicine</i> , 1996, 10, 33-40.	2.2	11
25	Friction weldability of various aluminum alloy pipe to SUS304 stainless steel pipe.. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 1999, 49, 83-88.	0.4	11
26	Formation of Intermetallic Compounds in Friction-Welded Joint of Aluminum Alloys to Copper and its Influence on Joint Efficiency. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2003, 21, 381-388.	0.5	11
27	Scatter correction based on an artificial neural network for ^{99m} Tc and ¹²³ I dual-isotope SPECT in myocardial and brain imaging. <i>Annals of Nuclear Medicine</i> , 2007, 21, 25-32.	2.2	11
28	Simulation study on a stationary data acquisition SPECT system with multi-pinhole collimators attached to a triple-head gamma camera system. <i>Annals of Nuclear Medicine</i> , 2014, 28, 716-724.	2.2	11
29	Quantitative evaluation of deep convolutional neural network-based image denoising for low-dose computed tomography. <i>Visual Computing for Industry, Biomedicine, and Art</i> , 2021, 4, 21.	3.7	11
30	Photon Counting X-ray CT System with a Semiconductor Detector. , 2006, , .		10
31	Parameterization of Dermoscopic Findings for the Internet-based Melanoma Screening System. , 2007, , .		10
32	Development of a novel border detection method for melanocytic and non-melanocytic dermoscopy images. , 2010, 2010, 5403-6.		10
33	Comparison of a pixelated semiconductor detector and a non-pixelated scintillation detector in pinhole SPECT system for small animal study. <i>Annals of Nuclear Medicine</i> , 2011, 25, 143-150.	2.2	10
34	Drilling of Ti-6Al-4V alloy.. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 1992, 42, 389-394.	0.4	9
35	Adaptive Noise Reduction of Scintigrams with a Wavelet Transform. <i>International Journal of Biomedical Imaging</i> , 2012, 2012, 1-7.	3.9	9
36	Noise reduction and contrast enhancement for small-dose X-ray images in wavelet domain. , 2009, , .		8

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37	Appropriate treatment planning method for field joint dose in total body irradiation using helical tomotherapy. Medical Dosimetry, 2019, 44, 344-353.	0.9	8
38	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
39	Speckle noise reduction of optical coherence tomography images with a wavelet transform. , 2018, , .		7
40	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
41	Optimization of friction welding condition of 5056 aluminum alloy.. Keikinzoku/Journal of Japan Institute of Light Metals, 1991, 41, 716-721.	0.4	6
42	Identification of a material with a photon counting x-ray CT system. , 2010, , .		6
43	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
44	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
45	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
46	Simulation Study on an Ultra-High Resolution SPECT with CdTe Detectors. , 2006, , .		5
47	Advanced Compton Camera with the ability in electron tracking based on Micro Pixel Gas Detector for Medical Imaging. , 2006, , .		5
48	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
49	Development of a rotational setâ€p correction device for stereotactic head radiation therapy: A performance evaluation. Journal of Applied Clinical Medical Physics, 2019, 20, 206-212.	1.9	5
50	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
51	Evaluation of iterative methods for aperture correction in SPECT. Systems and Computers in Japan, 2005, 36, 23-32.	0.2	4
52	Development of Semiconductor Gamma-Camera System with CdZnTe Detectors. , 2006, , .		4
53	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
54	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

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55	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
56	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
57	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
58	Development of robust video-oculography system for non-invasive autonomic nerve quantification. , 2012, , .		3
59	Multi-Pinhole spect system with a triple head gamma camera. , 2016, , .		3
60	Comparison of a Multi-pinhole Stationary SPECT System and a Parallel-hole High Speed Rotational SPECT system. , 2019, , .		3
61	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
62	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
63	Burr in the intermittent decelerated feed drilling of aluminum.. Keikinzoku/Journal of Japan Institute of Light Metals, 1991, 41, 258-263.	0.4	2
64	Optimum contrast enhancement using fuzzy sets. Systems and Computers in Japan, 1991, 22, 52-60.	0.2	2
65	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
66	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
67	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
68	Development of a prototype semiconductor gamma-camera system. , 2009, , .		2
69	Robust video-oculography for non-invasive autonomic nerve quantification. , 2011, 2011, 494-7.		2
70	Extraction of cervical vertebrae from panoramic X-ray images. , 2013, , .		2
71	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
72	Influence of pulse pile-up effects on material decomposition with photon-counting CT. , 2020, , .		2

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73	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
74	Fatigue strength of friction-welded 6061 aluminum alloy joints. Keikinzoque/Journal of Japan Institute of Light Metals, 2006, 56, 366-370.	0.4	1
75	Simulation Study on an Energy-Modulated X-ray CT. , 2006, , .		1
76	Image restoration in the dual advanced Compton camera system. , 2009, , .		1
77	Development of a multi-pinhole brain SPECT system with CdZnTe semiconductor detectors. , 2012, , .		1
78	Accuracy of linear attenuation coefficients measured with a photon counting CT system. , 2012, , .		1
79	Identification of a region including metals in the projection data using an energy discriminating photon counting detector. , 2014, , .		1
80	Usefulness of an energy-binned photon-counting x-ray detector for dental panoramic radiographs. Proceedings of SPIE, 2015, , .	0.8	1
81	Image Fusion With a Dental Panoramic X-ray Image and Face Image Acquired With a KINECT. , 2017, , .		1
82	Simulation Study on a Stationary SPECT System With Multi-pinhole Collimators. , 2017, , .		1
83	Image Reconstruction With an Electron Tracking Compton Camera. , 2019, , .		1
84	SPECT imaging with a semiconductor detector and a diverging collimator. IFMBE Proceedings, 2009, , 836-839.	0.3	1
85	Longitudinal ECT imaging using γ -ray camera. Systems and Computers in Japan, 1986, 17, 11-19.	0.2	0
86	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
87	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
88	Image reconstruction with a source space tree algorithm for Compton CT. Systems and Computers in Japan, 2003, 34, 1-9.	0.2	0
89	Object Description for Increasing a Calculation Speed of the Photon Transportation in a Monte Carlo Method. , 2006, , .		0
90	Ultra-High Resolution X-Ray CT System with a CdTe Detector. , 2006, , .		0

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91	Acquiring localization of permanent radioactive sources (1-125) in prostate brachytherapy. , 2006, , .		0
92	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		0
93	A novel approach to the visualization of four-dimensional cerebral angiography with cine angiography data measured at several views. , 2007, , .		0
94	Imaging reagents study for nuclear medicine using an electron-tracking Compton gamma-ray camera. , 2009, , .		0
95	Imaging study of a phantom and small animal with a two-head electron-tracking Compton gamma-ray camera. , 2010, , .		0
96	New myocardial SPECT system with CdZnTe semiconductor detectors. , 2010, , .		0
97	Correction of patient movement with a phase-only correlation method in a SPECT study. , 2010, , .		0
98	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
99	Evaluation of CT images in the very low x-ray exposure with a photon counting detector with a CdTe semiconductor. , 2013, , .		0
100	Multi-head gamma camera system with CdZnTe semiconductor detectors. , 2013, , .		0
101	Material decomposition using a singular value decomposition method. , 2013, , .		0
102	CBCT image reconstruction of a moving target with an on-board imaging system for radiation therapy. , 2013, , .		0
103	K-edge imaging with a photon counting CT system. , 2013, , .		0
104	Simulation study of a pinhole SPECT system with a triple head gamma camera. , 2014, , .		0
105	Acceleration of image reconstruction with a ray-driven method using a GPGPU. , 2015, , .		0
106	Statistical investigation on strength of friction-welded joints of titanium to copper. Strength, Fracture and Complexity, 2015, 9, 137-148.	0.3	0
107	Estimation of an atomic density with a singular value decomposition method using a photon-counting X-ray CT. , 2016, , .		0
108	A Layered Collimator for Radiographic Imaging. , 2017, , .		0

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109	List Mode Image Reconstruction With a Multi-pinhole Triple Head SPECT System. , 2018, , .		0
110	Energy calibration of a photon-counting CT with K-edge absorption features. , 2019, , .		0
111	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
112	Evaluation of Reconstructed Images With Electron Tracking Compton Camera. , 2020, , .		0
113	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