

Shigeru Kiryu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7870593/publications.pdf>

Version: 2024-02-01

118
papers

3,462
citations

159525

30
h-index

155592

55
g-index

121
all docs

121
docs citations

121
times ranked

4750
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning with Convolutional Neural Network for Differentiation of Liver Masses at Dynamic Contrast-enhanced CT: A Preliminary Study. <i>Radiology</i> , 2018, 286, 887-896.	3.6	446
2	Deep learning with convolutional neural network in radiology. <i>Japanese Journal of Radiology</i> , 2018, 36, 257-272.	1.0	243
3	Free-breathing diffusion-weighted imaging for the assessment of inflammatory activity in Crohn's disease. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 880-886.	1.9	183
4	Spectrum of Epstein-Barr virus-related diseases: a pictorial review. <i>Japanese Journal of Radiology</i> , 2009, 27, 4-19.	1.0	148
5	Liver Fibrosis: Deep Convolutional Neural Network for Staging by Using Gadoteric Acid-enhanced Hepatobiliary Phase MR Images. <i>Radiology</i> , 2018, 287, 146-155.	3.6	148
6	Noninvasive Bioluminescence Imaging of Luciferase Expressing Intracranial U87 Xenografts: Correlation with Magnetic Resonance Imaging Determined Tumor Volume and Longitudinal Use in Assessing Tumor Growth and Antiangiogenic Treatment Effect. <i>Neurosurgery</i> , 2006, 58, 365-372.	0.6	112
7	Diet and Abdominal Autofluorescence Detected by in Vivo Fluorescence Imaging of Living Mice. <i>Molecular Imaging</i> , 2008, 7, 7290.2008.0003.	0.7	95
8	Relationship Between Liver Function and Liver Signal Intensity in Hepatobiliary Phase of Gadolinium Ethoxybenzyl Diethylenetriamine Pentaacetic Acid-Enhanced Magnetic Resonance Imaging. <i>Journal of Computer Assisted Tomography</i> , 2010, 34, 362-366.	0.5	91
9	Detection of hepatocellular carcinoma by Gd-EOB-DTPA-enhanced liver MRI: Comparison with triple phase 64 detector row helical CT. <i>European Journal of Radiology</i> , 2011, 80, 310-315.	1.2	84
10	Deep learning for staging liver fibrosis on CT: a pilot study. <i>European Radiology</i> , 2018, 28, 4578-4585.	2.3	82
11	Breath-Hold T2-Weighted MRI of Hepatic Tumors: Value of Echo Planar Imaging with Diffusion-Sensitizing Gradient. <i>Journal of Computer Assisted Tomography</i> , 1998, 22, 364-371.	0.5	80
12	Predicting prognosis of resected hepatocellular carcinoma by radiomics analysis with random survival forest. <i>Diagnostic and Interventional Imaging</i> , 2018, 99, 643-651.	1.8	74
13	MR imaging of the biliary tract with Gd-EOB-DTPA: Effect of liver function on signal intensity. <i>European Journal of Radiology</i> , 2011, 77, 325-329.	1.2	72
14	Prediction of bone mineral density from computed tomography: application of deep learning with a convolutional neural network. <i>European Radiology</i> , 2020, 30, 3549-3557.	2.3	68
15	Comparison of subcutaneous and intraperitoneal injection of d-luciferin for in vivo bioluminescence imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 771-779.	3.3	65
16	Quantitative analysis of the velocity and synchronicity of diaphragmatic motion: dynamic MRI in different postures. <i>Magnetic Resonance Imaging</i> , 2006, 24, 1325-1332.	1.0	61
17	Intravenous injection of umbilical cord-derived mesenchymal stromal cells attenuates reactive gliosis and hypomyelination in a neonatal intraventricular hemorrhage model. <i>Neuroscience</i> , 2017, 355, 175-187.	1.1	58
18	Fate of hypointense lesions on Gd-EOB-DTPA-enhanced magnetic resonance imaging. <i>European Journal of Radiology</i> , 2012, 81, 2973-2977.	1.2	56

#	ARTICLE	IF	CITATIONS
19	Deep learning to differentiate parkinsonian disorders separately using single midsagittal MR imaging: a proof of concept study. <i>European Radiology</i> , 2019, 29, 6891-6899.	2.3	51
20	Precision of quantitative computed tomography texture analysis using image filtering. <i>Medicine (United States)</i> , 2017, 96, e6993.	0.4	49
21	Diet and abdominal autofluorescence detected by in vivo fluorescence imaging of living mice. <i>Molecular Imaging</i> , 2008, 7, 21-7.	0.7	49
22	Adaptive Iterative Dose Reduction in coronary CT angiography using 320-row CT: Assessment of radiation dose reduction and image quality. <i>Journal of Cardiovascular Computed Tomography</i> , 2012, 6, 318-324.	0.7	48
23	Magnetic resonance diffusion-weighted imaging in the characterization of pancreatic mucinous cystic lesions. <i>Clinical Radiology</i> , 2011, 66, 108-111.	0.5	41
24	Epstein-Barr virus-positive inflammatory pseudotumour and inflammatory pseudotumour-like follicular dendritic cell tumour. <i>British Journal of Radiology</i> , 2009, 82, e67-e71.	1.0	39
25	Impact of hepatocellular carcinoma heterogeneity on computed tomography as a prognostic indicator. <i>Scientific Reports</i> , 2017, 7, 12689.	1.6	39
26	Imaging prediction of nonalcoholic steatohepatitis using computed tomography texture analysis. <i>European Radiology</i> , 2018, 28, 3050-3058.	2.3	38
27	Quantitative computed tomography texture analysis for estimating histological subtypes of thymic epithelial tumors. <i>European Journal of Radiology</i> , 2017, 92, 84-92.	1.2	36
28	Source analysis of stimulus-preceding negativity constrained by functional magnetic resonance imaging. <i>Biological Psychology</i> , 2015, 111, 53-64.	1.1	35
29	Endometrial stromal sarcoma located in the myometrium with a low-intensity rim on T2-weighted images: Report of three cases and literature review. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 975-979.	1.9	33
30	Evaluation of Super Paramagnetic Iron Oxide-Enhanced Diffusion-Weighted PROPELLER T2-Fast Spin Echo Magnetic Resonance Imaging. <i>Journal of Computer Assisted Tomography</i> , 2006, 30, 197-200.	0.5	31
31	The Clinical Outcome of Small (<20 mm) Arterially Enhancing Nodules on MRI in the Cirrhotic Liver. <i>American Journal of Gastroenterology</i> , 2007, 102, 1654-1659.	0.2	28
32	Prediction of malignant glioma grades using contrast-enhanced T1-weighted and T2-weighted magnetic resonance images based on a radiomic analysis. <i>Scientific Reports</i> , 2019, 9, 19411.	1.6	27
33	Meandering Main Pancreatic Duct as a Relevant Factor to the Onset of Idiopathic Recurrent Acute Pancreatitis. <i>PLoS ONE</i> , 2012, 7, e37652.	1.1	26
34	Gussia Luciferase for Bioluminescence Tumor Monitoring in Comparison with Firefly Luciferase. <i>Molecular Imaging</i> , 2011, 10, 7290.2010.00057.	0.7	24
35	Detection of liver metastasis: is diffusion-weighted imaging needed in Gd-EOB-DTPA-enhanced MR imaging for evaluation of colorectal liver metastases?. <i>Japanese Journal of Radiology</i> , 2012, 30, 648-658.	1.0	23
36	Precision of the measurement of CT numbers: comparison of dual-energy CT spectral imaging with fast kVp switching and conventional CT with phantoms. <i>Japanese Journal of Radiology</i> , 2012, 30, 34-39.	1.0	23

#	ARTICLE	IF	CITATIONS
37	Coronary CT angiography using the second-generation 320-detector row CT: assessment of image quality and radiation dose in various heart rates compared with the first-generation scanner. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1613-1618.	0.7	23
38	Evaluation of gadoxetate disodium as a contrast agent for mouse liver imaging: comparison with gadobenate dimeglumine. <i>Magnetic Resonance Imaging</i> , 2009, 27, 101-107.	1.0	22
39	Pancreas Duct Abnormalities in Patients with Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2005, 11, 903-908.	0.9	21
40	Timing of Imaging after D-Luciferin Injection Affects the Longitudinal Assessment of Tumor Growth Using In Vivo Bioluminescence Imaging. <i>International Journal of Biomedical Imaging</i> , 2010, 2010, 1-6.	3.0	20
41	Influence of hemodynamic parameters on coronary artery attenuation with 320-detector coronary CT angiography. <i>European Journal of Radiology</i> , 2012, 81, 230-233.	1.2	20
42	Reducing CT radiation exposure with organ effective modulation: A retrospective clinical study. <i>European Journal of Radiology</i> , 2016, 85, 1569-1573.	1.2	19
43	Retroportal main pancreatic duct with circumportal pancreas: radiographic visualization. <i>Clinical Imaging</i> , 2011, 35, 442-446.	0.8	17
44	Quantitative analysis of skeletal muscle mass in patients with rheumatic diseases under glucocorticoid therapy – Comparison among bioelectrical impedance analysis, computed tomography, and magnetic resonance imaging. <i>Modern Rheumatology</i> , 2015, 25, 257-263.	0.9	17
45	Impact of deep learning reconstruction on intracranial 1.5T magnetic resonance angiography. <i>Japanese Journal of Radiology</i> , 2022, 40, 476-483.	1.0	17
46	Magnetic resonance imaging and diffusion tensor analysis of lymphomatoid granulomatosis of the brain. <i>Acta Radiologica</i> , 2006, 47, 509-513.	0.5	16
47	Quantitative computed tomography texture analyses for anterior mediastinal masses: Differentiation between solid masses and cysts. <i>European Journal of Radiology</i> , 2018, 100, 85-91.	1.2	16
48	Assessment of MRI Contrast Agent Kinetics via Retro-Orbital Injection in Mice: Comparison with Tail Vein Injection. <i>PLoS ONE</i> , 2015, 10, e0129326.	1.1	16
49	Prepancreatic postduodenal portal vein: a new hypothesis for the development of the portal venous system. <i>Japanese Journal of Radiology</i> , 2010, 28, 157-161.	1.0	15
50	Anticipation process of the human brain measured by stimulus-preceding negativity (SPN). <i>The Journal of Physical Fitness and Sports Medicine</i> , 2017, 6, 7-14.	0.2	15
51	PEG-poly(L-lysine)-based polymeric micelle MRI contrast agent: Feasibility study of a Gd-micelle contrast agent for MR lymphography. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 238-245.	1.9	15
52	Adaptive statistical iterative reconstruction for volume-rendered computed tomography portovenography: improvement of image quality. <i>Japanese Journal of Radiology</i> , 2010, 28, 700-706.	1.0	14
53	Diet and gastrointestinal signal on T1-weighted magnetic resonance imaging of mice. <i>Magnetic Resonance Imaging</i> , 2010, 28, 273-280.	1.0	14
54	Facial, verbal, and symbolic stimuli differently affect the right hemisphere preponderance of stimulus-preceding negativity. <i>Psychophysiology</i> , 2014, 51, 843-852.	1.2	13

#	ARTICLE	IF	CITATIONS
55	MRI assessment of lung parenchymal motion in normal mice and transgenic mice with sickle cell disease. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 49-56.	1.9	12
56	Efficacy of Double-Arterial Phase Gadolinium Ethoxybenzyl Diethylenetriamine Pentaacetic Acid-Enhanced Liver Magnetic Resonance Imaging Compared With Double-Arterial Phase Multi-Detector Row Helical Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2009, 33, 887-892.	0.5	12
57	Increased prevalence of coronary artery calcification in patients with suspected pulmonary embolism. <i>Academic Radiology</i> , 2003, 10, 840-845.	1.3	11
58	MR microscopy of the lung in small rodents. <i>European Journal of Radiology</i> , 2007, 64, 367-374.	1.2	11
59	Fluorescence Lymph Node Mapping in Living Mice Using Quantum Dots and a Compression Technique. <i>Journal of Fluorescence</i> , 2010, 20, 599-606.	1.3	11
60	Relationship between beat to beat coronary artery motion and image quality in prospectively ECG-gated two heart beat 320-detector row coronary CT angiography. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 139-146.	0.7	11
61	Computed tomography and magnetic resonance imaging of a plexiform angiomyxoid myofibroblastic tumor: a case report. <i>BMC Medical Imaging</i> , 2017, 17, 7.	1.4	11
62	Breath-hold 3D magnetic resonance cholangiopancreatography at 1.5T using a deep learning-based noise-reduction approach: Comparison with the conventional respiratory-triggered technique. <i>European Journal of Radiology</i> , 2021, 144, 109994.	1.2	11
63	Differentiation Between Hemangiomas and Cysts of the Liver with Single-Shot Fast-Spin Echo Image Using Short and Long TE. <i>Journal of Computer Assisted Tomography</i> , 2002, 26, 687-690.	0.5	10
64	Bioluminescent evaluation of the therapeutic effects of total body irradiation in a murine hematological malignancy model. <i>Experimental Hematology</i> , 2008, 36, 1634-1641.	0.2	10
65	Santorinicele without pancreas divisum pathophysiology: initial clinical and radiographic investigations. <i>BMC Gastroenterology</i> , 2013, 13, 62.	0.8	10
66	MDS cells impair osteolineage differentiation of MSCs via extracellular vesicles to suppress normal hematopoiesis. <i>Cell Reports</i> , 2022, 39, 110805.	2.9	10
67	Differentiation of adrenal tumors in patients with hepatocellular carcinoma: Adrenal adenoma versus metastasis. <i>European Journal of Radiology</i> , 2013, 82, 1213-1218.	1.2	9
68	Effects of Gadolinium Deposition in the Brain on Motor or Behavioral Function: A Mouse Model. <i>Radiology</i> , 2021, 301, 409-416.	3.6	9
69	Deep learning reconstruction for 1.5 T cervical spine MRI: effect on interobserver agreement in the evaluation of degenerative changes. <i>European Radiology</i> , 2022, 32, 6118-6125.	2.3	9
70	Clinical feasibility of an abdominal thin-slice breath-hold single-shot fast spin echo sequence processed using a deep learning-based noise-reduction approach. <i>Magnetic Resonance Imaging</i> , 2022, 90, 76-83.	1.0	9
71	Effect of temporal resolution on the estimation of left ventricular function by cardiac MR imaging. <i>Magnetic Resonance Imaging</i> , 2005, 23, 641-645.	1.0	8
72	Silent White Matter Lesion in Linear Scleroderma En Coup de Sabre. <i>Journal of Computer Assisted Tomography</i> , 2008, 32, 822-824.	0.5	8

#	ARTICLE	IF	CITATIONS
73	Interstitial MR Lymphography in Mice: Comparative Study with Gadofluorine 8, Gadofluorine M, and Gadofluorine P. <i>Magnetic Resonance in Medical Sciences</i> , 2012, 11, 99-107.	1.1	8
74	Shorter delay time reduces interpatient variability in coronary enhancement in coronary CT angiography using the bolus tracking method with 320-row CT. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 185-190.	0.7	8
75	The effects of bolus supplementation of branched-chain amino acids on skeletal muscle mass, strength, and function in patients with rheumatic disorders during glucocorticoid treatment. <i>Modern Rheumatology</i> , 2017, 27, 508-517.	0.9	8
76	Application of CT texture analysis to assess the localization of primary aldosteronism. <i>Scientific Reports</i> , 2020, 10, 472.	1.6	8
77	Erdheim-Chester disease with an 18F-fluorodeoxyglucose-avid breast mass and BRAF V600E mutation. <i>Japanese Journal of Radiology</i> , 2014, 32, 282-287.	1.0	7
78	Gadoxetate disodium-induced tachypnoea and the effect of dilution method: a proof-of-concept study in mice. <i>European Radiology</i> , 2018, 28, 692-697.	2.3	7
79	Factors associated with the size of the adhesio interthalamica based on 3.0-T magnetic resonance images. <i>Acta Radiologica</i> , 2019, 60, 113-119.	0.5	7
80	Detection of Lung Tumors in Mice Using a 1-Tesla Compact Magnetic Resonance Imaging System. <i>PLoS ONE</i> , 2014, 9, e94945.	1.1	7
81	Feasibility of accelerated whole-body diffusion-weighted imaging using a deep learning-based noise-reduction technique in patients with prostate cancer. <i>Magnetic Resonance Imaging</i> , 2022, 92, 169-179.	1.0	7
82	Interstitial MR lymphography in mice with gadopentetate dimeglumine and gadoxetate disodium. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 490-497.	1.9	6
83	Effect of isoflurane anesthesia and hypothermia on the hepatic kinetics of Gd-EOB-DTPA: Evaluation using MRI of conscious mice. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 354-360.	1.9	6
84	The feasibility of halfcycle reconstruction in high heart rates in coronary CT angiography using 320-row CT. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 907-911.	0.7	6
85	Coronary artery calcium score may be a novel predictor of COVID-19 prognosis: a retrospective study. <i>BMJ Open Respiratory Research</i> , 2021, 8, e000923.	1.2	6
86	Integrated Lymphography using Fluorescence Imaging and Magnetic Resonance Imaging in Intact Mice. <i>Molecular Imaging</i> , 2011, 10, 7290.2010.00049.	0.7	5
87	MR Imaging of Carcinosarcoma of the Liver using Gd-EOB-DTPA. <i>Magnetic Resonance in Medical Sciences</i> , 2014, 13, 117-121.	1.1	5
88	Motor and Nonmotor Components of Event-Brain Potential in Preparation of Motor Response. <i>Journal of Behavioral and Brain Science</i> , 2011, 01, 234-241.	0.2	5
89	Integrated Imaging Approach to Tumor Model Mice Using Bioluminescence Imaging and Magnetic Resonance Imaging. <i>Molecular Imaging</i> , 2010, 9, 7290.2010.00013.	0.7	4
90	Lymph Drainage from the Mammary Glands in Mice. <i>Academic Radiology</i> , 2011, 18, 512-517.	1.3	4

#	ARTICLE	IF	CITATIONS
91	Effect of saline flush on enhancement of proximal and distal segments using 320-row coronary CT angiography. <i>European Journal of Radiology</i> , 2013, 82, 1255-1259.	1.2	4
92	Hepatic Involvement of Histiocytic Sarcoma: CT and MRI Findings. <i>Korean Journal of Radiology</i> , 2016, 17, 758.	1.5	4
93	Clinical and CT features of ovarian torsion in infants, children and adolescents. <i>International Journal of Gynecology and Obstetrics</i> , 2022, 156, 444-449.	1.0	4
94	Voice, rhythm, and beep stimuli differently affect the right hemisphere preponderance and components of stimulus-preceding negativity. <i>Biological Psychology</i> , 2021, 160, 108048.	1.1	4
95	Radiomics with 3-dimensional magnetic resonance fingerprinting: influence of dictionary design on repeatability and reproducibility of radiomic features. <i>European Radiology</i> , 2022, 32, 4791-4800.	2.3	4
96	Commercially Available Deep-learning-reconstruction of MR Imaging of the Knee at 1.5T Has Higher Image Quality Than Conventionally-reconstructed Imaging at 3T: A Normal Volunteer Study. <i>Magnetic Resonance in Medical Sciences</i> , 2023, 22, 353-360.	1.1	4
97	Administration of Iodized Oil Resulted in Impaired Liver Function Due to Enhanced Portosystemic Shunting. <i>CardioVascular and Interventional Radiology</i> , 2004, 27, 282-4.	0.9	3
98	The natural history of streptozotocin-stimulated non-alcoholic steatohepatitis mice followed by Gd-EOB-DTPA-enhanced MRI: Comparison with simple steatosis mice. <i>Magnetic Resonance Imaging</i> , 2017, 38, 123-128.	1.0	3
99	Anomalous branching pattern of the portal vein: right posterior portal vein originating from the left portal vein. <i>Surgical and Radiologic Anatomy</i> , 2017, 39, 573-576.	0.6	3
100	Resectable primary pleural myxoid liposarcoma with a pedicle: report of a rare case and literature review. <i>Journal of Thoracic Disease</i> , 2017, 9, E183-E187.	0.6	3
101	Distortion correction in whole-body imaging of live mice using a 1-Tesla compact magnetic resonance imaging system. <i>Japanese Journal of Radiology</i> , 2011, 29, 353-360.	1.0	2
102	Prediction of the attenuation of the ascending aorta using bolus-tracking parameters and heart rate in coronary computed tomography angiography. <i>European Journal of Radiology</i> , 2012, 81, 3250-3253.	1.2	2
103	A pulmonary metastatic model of murine melanoma assessed by magnetic resonance imaging. <i>Experimental Dermatology</i> , 2017, 26, 619-621.	1.4	2
104	Integrated imaging approach to tumor model mice using bioluminescence imaging and magnetic resonance imaging. <i>Molecular Imaging</i> , 2010, 9, 163-72.	0.7	2
105	Long-term assessment of contrast effects of gadofluorine M and gadofluorine P in magnetic resonance imaging of mice. <i>Japanese Journal of Radiology</i> , 2012, 30, 86-91.	1.0	1
106	Influence of Indocyanine Green on Hepatic Gd-EOB-DTPA Uptake. <i>Investigative Radiology</i> , 2017, 52, 441-445.	3.5	1
107	Deep learning application in the oesophageal endoscopy. <i>Journal of Medical Artificial Intelligence</i> , 2019, 2, 22-22.	1.1	1
108	Whole-lesion histogram analysis of apparent diffusion coefficient for the assessment of non-mass enhancement lesions on breast MRI. <i>Journal of Clinical Imaging Science</i> , 2022, 12, 12.	0.4	1

#	ARTICLE	IF	CITATIONS
109	Radiation Protection of the Eye Lens in Fluoroscopy-guided Interventional Procedures. <i>Interventional Radiology</i> , 2022, 7, 44-48.	0.2	1
110	Quantitative Effect of Reducing Body Thickness on Visualizing Murine Deep Abdominal Lymph Nodes by In Vivo Fluorescence Reflectance Imaging. <i>Journal of Fluorescence</i> , 2011, 21, 1325-1329.	1.3	0
111	Physiological sources of stimulus-preceding negativity: Source analysis using fMRI and ERP. <i>International Journal of Psychophysiology</i> , 2014, 94, 200.	0.5	0
112	Early and late components of stimulus-preceding negativity prior to face, word, and symbol stimuli. <i>International Journal of Psychophysiology</i> , 2014, 94, 203-204.	0.5	0
113	The inhibitory effect of gadoxetate disodium on hepatic transporters: a study using indocyanine green. <i>European Radiology</i> , 2018, 28, 4128-4133.	2.3	0
114	Effects of negativity bias on amygdala and anterior cingulate cortex activity in short and long emotional stimulation paradigms. <i>NeuroReport</i> , 2021, 32, 531-539.	0.6	0
115	In vitro demonstration of melanoma metastasis in lymph nodes of prepared specimens using a light-emitting diode-based multispectral photoacoustic ultrasound imaging system. <i>Journal of Medical Ultrasound</i> , 2021, 29, 50.	0.2	0
116	Detection of Small Hepatic Lesions: Superparamagnetic Oxide-Enhanced Diffusion-Weighted T2 FSE Imaging. , 2009, , 213-219.		0
117	CT and clinical analysis of ovarian mucinous tumors in adolescent patients. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2021, , .	0.3	0
118	Impaired Osteoblastic Differentiation of MSCs Suppresses Normal Hematopoiesis in MDS. <i>Blood</i> , 2020, 136, 17-18.	0.6	0