Atsushi Teramoto

List of Publications by Year
in descending order

48 papers	**1,068** citations	623188 **14** h-index	414034 **32** g-index
51 all docs	**51** docs citations	**51** times ranked	**1243** citing authors

#	Article	IF	Citations
1	Function Integrated Diagnostic Assistance Based on MCA Models. , 2022, , 67-77.		0
2	Automated Extraction of Cerebral Infarction Region in Head MR Image Using Pseudo Cerebral Infarction Image by CycleGAN. Applied Sciences (Switzerland), 2022, 12, 489.	1.3	3
3	Automated detection scheme for acute myocardial infarction using convolutional neural network and long short-term memory. PLoS ONE, 2022, 17, e0264002.	1.1	9
4	Toe flexion movement with tendon excursion based on anatomical variation: A cadaver study. Journal of Orthopaedics, Trauma and Rehabilitation, 2022, 29, 221049172210921.	0.1	0
5	Prognosis Prediction of Lung Cancer Patients Using CT Images: Feature Extraction by Convolutional Neural Network and Prediction by Machine Learning. Japanese Journal of Radiological Technology, 2022, , .	0.0	1
6	Flexor hallucis longus tendinous slips and the relationship to toe flexor strength. Foot and Ankle Surgery, 2021, 27, 851-854.	0.8	2
7	Effective stretching positions for the posterior shoulder capsule as determined by shear wave elastography. Journal of Shoulder and Elbow Surgery, 2021, 30, 1186-1195.	1.2	10
8	Sex- and age-related variations in the three-dimensional orientations and curvatures of the articular surfaces of the human talus. Anatomical Science International, 2021, 96, 258-264.	0.5	7
9	Synthetic CT image generation of shape-controlled lung cancer using semi-conditional InfoGAN and its applicability for type classification. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 241-251.	1.7	23
10	Two-versus three-dimensional regions of interest for quantifying SPECT-CT images. Physical and Engineering Sciences in Medicine, 2021, 44, 365-375.	1.3	0
11	Mutual stain conversion between Giemsa and Papanicolaou in cytological images using cycle generative adversarial network. Heliyon, 2021, 7, e06331.	1.4	4
12	Automated classification of increased uptake regions in bone single-photon emission computed tomography/computed tomography images using three-dimensional deep convolutional neural network. Nuclear Medicine Communications, 2021, Publish Ahead of Print, 877-883.	0.5	2
13	Development of Pathological Diagnosis Support System Using Micro-computed Tomography. Acta Histochemica Et Cytochemica, 2021, 54, 49-56.	0.8	1
14	Development of a Fully Automated Glioma-Grading Pipeline Using Post-Contrast T1-Weighted Images Combined with Cloud-Based 3D Convolutional Neural Network. Applied Sciences (Switzerland), 2021, 11, 5118.	1.3	5
15	Estimating subjective evaluation of low-contrast resolution using convolutional neural networks. Physical and Engineering Sciences in Medicine, 2021, 44, 1285-1296.	1.3	2
16	Weakly supervised learning for classification of lung cytological images using attention-based multiple instance learning. Scientific Reports, 2021, 11, 20317.	1.6	13
17	Automated Detection of Gastric Cancer by Retrospective Endoscopic Image Dataset Using U-Net R-CNN. Applied Sciences (Switzerland), 2021, 11, 11275.	1.3	3
18	A method for the automated classification of benign and malignant masses on digital breast tomosynthesis images using machine learning and radiomic features. Radiological Physics and Technology, 2020, 13, 27-36.	1.0	25

#	Article	IF	Citations
19	Multiplanar analysis for pulmonary nodule classification in CT images using deep convolutional neural network and generative adversarial networks. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 173-178.	1.7	51
20	Bone suppression for chest X-ray image using a convolutional neural filter. Physical and Engineering Sciences in Medicine, 2020, 43, 97-108.	1.3	13
21	Deep learning using preoperative magnetic resonance imaging information to predict early recovery of urinary continence after robot-assisted radical prostatectomy. International Journal of Urology, 2020, 27, 922-928.	0.5	8
22	Virtual digital subtraction angiography using multizone patch-based U-Net. Physical and Engineering Sciences in Medicine, 2020, 43, 1305-1315.	1.3	6
23	Investigation of pulmonary nodule classification using multi-scale residual network enhanced with 3DGAN-synthesized volumes. Radiological Physics and Technology, 2020, 13, 160-169.	1.0	14
24	Deep learning approach to classification of lung cytological images: Two-step training using actual and synthesized images by progressive growing of generative adversarial networks. PLoS ONE, 2020, 15, e0229951.	1.1	48
25	Automated Detection and Segmentation of Early Gastric Cancer from Endoscopic Images Using Mask R-CNN. Applied Sciences (Switzerland), 2020, 10, 3842.	1.3	38
26	Hybrid Scheme for Automated Classification of Pulmonary Nodules Using PET/CT Images and Patient Information. Applied Sciences (Switzerland), 2020, 10, 4225.	1.3	1
27	Compressed-Sensing Magnetic Resonance Image Reconstruction Using an Iterative Convolutional Neural Network Approach. Applied Sciences (Switzerland), 2020, 10, 1902.	1.3	16
28	Decision Support System for Lung Cancer Using PET/CT and Microscopic Images. Advances in Experimental Medicine and Biology, 2020, 1213, 73-94.	0.8	10
29	Dynamic PET Image Denoising Using Deep Convolutional Neural Networks Without Prior Training Datasets. IEEE Access, 2019, 7, 96594-96603.	2.6	87
30	Automated classification of benign and malignant cells from lung cytological images using deep convolutional neural network. Informatics in Medicine Unlocked, 2019, 16, 100205.	1.9	57
31	Kinematics and Laxity of the Ankle Joint in Anatomic and Nonanatomic Anterior Talofibular Ligament Repair: A Biomechanical Cadaveric Study. American Journal of Sports Medicine, 2019, 47, 667-673.	1.9	19
32	A complementary scheme for automated detection of high-uptake regions on dedicated breast PET and whole-body PET/CT. Radiological Physics and Technology, 2019, 12, 260-267.	1.0	6
33	Automated Pulmonary Nodule Classification in Computed Tomography Images Using a Deep Convolutional Neural Network Trained by Generative Adversarial Networks. BioMed Research International, 2019, 2019, 1-9.	0.9	54
34	Automated Classification of Pulmonary Nodules through a Retrospective Analysis of Conventional CT and Two-phase PET Images in Patients Undergoing Biopsy. Asia Oceania Journal of Nuclear Medicine and Biology, 2019, 7, 29-37.	0.1	15
35	Automated segmentation and detection of increased uptake regions in bone scintigraphy using SPECT/CT images. Annals of Nuclear Medicine, 2018, 32, 182-190.	1.2	6
36	Geometric distortion in magnetic resonance imaging systems assessed using an open-source plugin for scientific image analysis. Radiological Physics and Technology, 2018, 11, 467-472.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Effect of Initial Graft Tension During Calcaneofibular Ligament Reconstruction on Ankle Kinematics and Laxity. American Journal of Sports Medicine, 2018, 46, 2935-2941.	1.9	8
38	Automated Lung Nodule Detection Using Positron Emission Tomography/Computed Tomography. Intelligent Systems Reference Library, 2018, , 87-110.	1.0	9
39	Dose reduction technique in diagnostic X-ray computed tomography by use of 6-channel multileaf collimators. Radiological Physics and Technology, 2017, 10, 60-67.	1.0	1
40	Automated Classification of Lung Cancer Types from Cytological Images Using Deep Convolutional Neural Networks. BioMed Research International, 2017, 2017, 1-6.	0.9	160
41	Automated detection of pulmonary nodules in PET/CT images: Ensemble false‐positive reduction using a convolutional neural network technique. Medical Physics, 2016, 43, 2821-2827.	1.6	190
42	Automated detection of lung tumors in PET/CT images using active contour filter. , 2015, , .		3
43	Automated Detection of Architectural Distortion Using Improved Adaptive Gabor Filter. Lecture Notes in Computer Science, 2014, , 606-611.	1.0	10
44	Hybrid method for the detection of pulmonary nodules using positron emission tomography/computed tomography: a preliminary study. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 59-69.	1.7	26
45	Fast lung nodule detection in chest CT images using cylindrical nodule-enhancement filter. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 193-205.	1.7	92
46	Pulmonary nodule detection in PET/CT images: improved approach using combined nodule detection and hybrid FP reduction. , 2012, , .		3
47	Hybrid CAD scheme for lung nodule detection in PET/CT images. Proceedings of SPIE, 2011, , .	0.8	2
48	Development of quality control system for flat-panel detectors. Radiological Physics and Technology, 2011, 4, 164-172.	1.0	2