

Hitoshi Iyatomi

List of Publications by Year in descending order

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45
papers

2,876
citations

430442

18
h-index

525886

27
g-index

45
all docs

45
docs citations

45
times ranked

1440
citing authors

#	ARTICLE	IF	CITATIONS
1	LeafGAN: An Effective Data Augmentation Method for Practical Plant Disease Diagnosis. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1258-1267.	3.4	75
2	Ad Creative Discontinuation Prediction with Multi-Modal Multi-Task Neural Survival Networks. Applied Sciences (Switzerland), 2022, 12, 3594.	1.3	0
3	Super-Resolution for Brain MR Images from a Significantly Small Amount of Training Data. , 2022, 3, .		0
4	Key Area Acquisition Training for Practical Image-based Plant Disease Diagnosis. , 2022, , .		0
5	Attention Meets Perturbations: Robust and Interpretable Attention With Adversarial Training. IEEE Access, 2021, 9, 92974-92985.	2.6	12
6	PPIG: Productive and Pathogenic Image Generation for Plant Disease Diagnosis. , 2021, , .		2
7	Bulk Production Augmentation Towards Explainable Melanoma Diagnosis. , 2021, , .		0
8	LASSR: Effective super-resolution method for plant disease diagnosis. Computers and Electronics in Agriculture, 2021, 187, 106271.	3.7	15
9	Disease-Oriented Image Embedding With Pseudo-Scanner Standardization for Content-Based Image Retrieval on 3D Brain MRI. IEEE Access, 2021, 9, 165326-165340.	2.6	4
10	Super-Resolution for Practical Automated Plant Disease Diagnosis System. , 2019, , .		8
11	Stochastic Gastric Image Augmentation for Cancer Detection from X-ray Images. , 2019, , .		0
12	Towards Explainable Melanoma Diagnosis: Prediction of Clinical Indicators Using Semi-supervised and Multi-task Learning. , 2019, , .		3
13	Efficient feature embedding of 3D brain MRI images for content-based image retrieval with deep metric learning. , 2019, , .		6
14	AOP: An Anti-overfitting Pretreatment for Practical Image-based Plant Diagnosis. , 2019, , .		9
15	A comparable study: Intrinsic difficulties of practical plant diagnosis from wide-angle images. , 2019, , .		9
16	Trends and Challenges of Automatic Diagnosis Techniques for Plant Diseases. The Brain & Neural Networks, 2019, 26, 123-134.	0.1	1
17	Diagnosis of Multiple Cucumber Infections with Convolutional Neural Networks. , 2018, , .		6
18	End-to-End Text Classification via Image-based Embedding using Character-level Networks. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Significant Dimension Reduction of 3D Brain MRI using 3D Convolutional Autoencoders. , 2018, 2018, 5162-5165.		11
20	Video-based Estimation System Using Convolutional Neural Networks for Audiencesâ€™ State in the Classroom and Discussion of its Essential Image Features. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2017, 29, 517-526.	0.0	1
21	Document classification through image-based character embedding and wildcard training. , 2016, , .		11
22	Basic Investigation on a Robust and Practical Plant Diagnostic System. , 2016, , .		99
23	Basic Study of Automated Diagnosis of Viral Plant Diseases Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2015, , 638-645.	1.0	124
24	An ensemble classification approach for melanoma diagnosis. Memetic Computing, 2014, 6, 233-240.	2.7	92
25	Extension of automated melanoma screening for non-melanocytic skin lesions. International Journal of Computer Applications in Technology, 2014, 50, 122.	0.3	2
26	Age-related prevalence of dermoscopic patterns of acral melanocytic nevi. Dermatology Practical and Conceptual, 2014, 4, 53-57.	0.5	7
27	Lesion Border Detection in Dermoscopy Images Using Ensembles of Thresholding Methods. Skin Research and Technology, 2013, 19, e252-8.	0.8	153
28	Three-phase general border detection method for dermoscopy images using non-uniform illumination correction. Skin Research and Technology, 2012, 18, 290-300.	0.8	34
29	Automated color calibration method for dermoscopy images. Computerized Medical Imaging and Graphics, 2011, 35, 89-98.	3.5	40
30	Colour and contrast enhancement for improved skin lesion segmentation. Computerized Medical Imaging and Graphics, 2011, 35, 99-104.	3.5	100
31	Classification of melanocytic skin lesions from non-melanocytic lesions. , 2010, 2010, 5407-10.		17
32	Approximate lesion localization in dermoscopy images. Skin Research and Technology, 2009, 15, 314-322.	0.8	20
33	An improved objective evaluation measure for border detection in dermoscopy images. Skin Research and Technology, 2009, 15, 444-450.	0.8	31
34	Lesion border detection in dermoscopy images. Computerized Medical Imaging and Graphics, 2009, 33, 148-153.	3.5	351
35	An improved Internet-based melanoma screening system with dermatologist-like tumor area extraction algorithm. Computerized Medical Imaging and Graphics, 2008, 32, 566-579.	3.5	201
36	Automatic detection of blue-white veil and related structures in dermoscopy images. Computerized Medical Imaging and Graphics, 2008, 32, 670-677.	3.5	139

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37	Border detection in dermoscopy images using statistical region merging. <i>Skin Research and Technology</i> , 2008, 14, 347-353.	0.8	339
38	Computer-Based Classification of Dermoscopy Images of Melanocytic Lesions on Acral Volar Skin. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2049-2054.	0.3	60
39	An Internet-based melanoma screening system with acral volar lesion support. , 2008, 2008, 5156-9.		1
40	A methodological approach to the classification of dermoscopy images. <i>Computerized Medical Imaging and Graphics</i> , 2007, 31, 362-373.	3.5	535
41	Unsupervised border detection in dermoscopy images. <i>Skin Research and Technology</i> , 2007, 13, 454-462.	0.8	205
42	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.	0.6	91
43	Adaptive fuzzy inference neural network. <i>Pattern Recognition</i> , 2004, 37, 2049-2057.	5.1	43
44	Knowledge extraction from scenery images and recognition using fuzzy inference neural networks. <i>Electronics and Communications in Japan</i> , 2003, 86, 82-90.	0.2	2
45	Scenery image recognition and interpretation using fuzzy inference neural networks. <i>Pattern Recognition</i> , 2002, 35, 1793-1806.	5.1	16