

Yuji Iwahori

List of Publications by Year in descending order

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Version: 2024-02-01

158
papers

745
citations

759055

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20
g-index

160
all docs

160
docs citations

160
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel set of features for continuous hand gesture recognition. Journal on Multimodal User Interfaces, 2014, 8, 333-343.	2.0	57
2	A HOG-SVM Based Fall Detection IoT System for Elderly Persons Using Deep Sensor. Procedia Computer Science, 2019, 147, 276-282.	1.2	43
3	Automatic Detection of Polyp Using Hessian Filter and HOG Features. Procedia Computer Science, 2015, 60, 730-739.	1.2	40
4	Application Of Fuzzy Theory To Writer Recognition Of Chinese Characters. International Journal of Modelling and Simulation, 1998, 18, 112-116.	2.3	33
5	A Novel Digital Modulation Recognition Algorithm Based on Deep Convolutional Neural Network. Applied Sciences (Switzerland), 2020, 10, 1166.	1.3	29
6	A Novel LiDAR Data Classification Algorithm Combined CapsNet with ResNet. Sensors, 2020, 20, 1151.	2.1	24
7	Defect Classification of Printed Circuit Boards based on Transfer Learning. , 2018, , .		22
8	Defect Classification of Electronic Circuit Board Using SVM based on Random Sampling. Procedia Computer Science, 2014, 35, 1210-1218.	1.2	19
9	A Method of Data Augmentation for Classifying Road Damage Considering Influence on Classification Accuracy. Procedia Computer Science, 2019, 159, 1449-1458.	1.2	19
10	Detection of Polyps in Colonoscopic Videos Using Saliency Map-Based Modified Particle Filter. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	15
11	On the application of cubic equations of state: Analytical expression for \hat{V}_\pm/T_r and improved liquid density calculations. Fluid Phase Equilibria, 1989, 50, 1-20.	1.4	14
12	A Dual Neural Architecture Combined SqueezeNet with OctConv for LiDAR Data Classification. Sensors, 2019, 19, 4927.	2.1	14
13	Shape from Endoscope Image based on Photometric and Geometric Constraints. Procedia Computer Science, 2013, 22, 1285-1293.	1.2	13
14	Recovering 3D Shape with Absolute Size from Endoscope Images Using RBF Neural Network. International Journal of Biomedical Imaging, 2015, 2015, 1-11.	3.0	13
15	Defect Classification of Electronic Board Using Dense SIFT and CNN. Procedia Computer Science, 2018, 126, 1673-1682.	1.2	12
16	Active contour segmentation of polyps in capsule endoscopic images. , 2018, , .		12
17	People detection based on co-occurrence of appearance and spatio-temporal features. Progress in Informatics, 2010, , 33.	0.2	12
18	Contour-Aware Residual W-Net for Nuclei Segmentation. Procedia Computer Science, 2019, 159, 1479-1488.	1.2	11

#	ARTICLE	IF	CITATIONS
19	GPU based extraction of moving objects without shadows under intensity changes. , 2008, , .		10
20	Non-subsampled shearlet transform-based image fusion using modified weighted saliency and local difference. Multimedia Tools and Applications, 2018, 77, 32013-32040.	2.6	10
21	Colonoscopic Polyp Classification Using Local Shape and Texture Features. IEEE Access, 2021, 9, 92629-92639.	2.6	10
22	Defect Classification of Electronic Board Using Multiple Classifiers and Grid Search of SVM Parameters. Studies in Computational Intelligence, 2013, , 115-127.	0.7	10
23	Semantic SLAM Based on Deep Learning in Endocavity Environment. Symmetry, 2022, 14, 614.	1.1	10
24	Precise Crop Classification of Hyperspectral Images Using Multi-Branch Feature Fusion and Dilation-Based MLP. Remote Sensing, 2022, 14, 2713.	1.8	10
25	Shadow Detection by Three Shadow Models with Features Robust to Illumination Changes. Procedia Computer Science, 2014, 35, 1219-1228.	1.2	9
26	Obtaining Shape from Scanning Electron Microscope using Hopfield Neural Network. Journal of Intelligent Manufacturing, 2005, 16, 715-725.	4.4	7
27	Extending Fast Marching Method under Point Light Source Illumination and Perspective Projection. , 2010, , .		7
28	PCB Defect Classification Using Logical Combination of Segmented Copper and Non-copper Part. Advances in Intelligent Systems and Computing, 2017, , 523-532.	0.5	7
29	Transportation Mobility Factor Extraction Using Image Recognition Techniques. , 2019, , .		7
30	Discrimination of True Defect and Indefinite Defect with Visual Inspection Using SVM. Lecture Notes in Computer Science, 2011, , 117-125.	1.0	7
31	The Bangkok Urbanscapes Dataset for Semantic Urban Scene Understanding Using Enhanced Encoder-Decoder With Atrous Depthwise Separable A1 Convolutional Neural Networks. IEEE Access, 2022, 10, 59327-59349.	2.6	7
32	Heterogeneous Defect Prediction Based on Transfer Learning to Handle Extreme Imbalance. Applied Sciences (Switzerland), 2020, 10, 396.	1.3	6
33	Multi-level uncorrelated discriminative shared Gaussian process for multi-view facial expression recognition. Visual Computer, 2021, 37, 143-159.	2.5	6
34	Robust Tracking Method to Intersections of Objects with Similar Patterns. IEEE Transactions on Electronics, Information and Systems, 2010, 130, 1588-1596.	0.1	6
35	Improved Endoscopic Polyp Classification using GAN Generated Synthetic Data Augmentation. , 2020, , .		6
36	Extraction of Cell Nuclei using CNN Features. Procedia Computer Science, 2017, 112, 1633-1640.	1.2	5

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37	Automatic Segmentation of Polyps in Endoscopic Image Using Level-Set Formulation. , 2018, , .		5
38	Detecting and Removing Specular Reflectance Components Based on Image Linearization. Procedia Computer Science, 2019, 159, 1576-1583.	1.2	5
39	Self-calibration and Image Rendering Using RBF Neural Network. Lecture Notes in Computer Science, 2009, , 705-712.	1.0	5
40	Improved Defect Classification of Printed Circuit Board Using SVM. Smart Innovation, Systems and Technologies, 2012, , 355-363.	0.5	5
41	Estimating Reflectance Parameter of Polyp using Medical Suture Information in Endoscope Image. , 2016, , .		5
42	Extraction and Calculation of Roadway Area from Satellite Images Using Improved Deep Learning Model and Post-Processing. Journal of Imaging, 2022, 8, 124.	1.7	5
43	Extended photometric stereo for an object with unknown reflectance property. Systems and Computers in Japan, 1989, 20, 83-92.	0.2	4
44	Shape from self-calibration and Fast Marching Method. , 2008, , .		4
45	Hand gesture recognition and animation for local hand motions. International Journal of Machine Learning and Cybernetics, 2014, 5, 607-623.	2.3	4
46	Object Tracking with Improved Detector of Objects Similar to Target. Procedia Computer Science, 2015, 60, 740-749.	1.2	4
47	Particle Filter Based Tracking with Image-based Localization. Procedia Computer Science, 2016, 96, 977-986.	1.2	4
48	New Feature for Shadow Detection by Combination of Two Features Robust to Illumination Changes. Procedia Computer Science, 2016, 96, 896-903.	1.2	4
49	Classification of Polyps in Capsule Endoscopic Images using CNN. , 2018, , .		4
50	An optimized non-subsampled shearlet transform-based image fusion using Hessian features and unsharp masking. Journal of Visual Communication and Image Representation, 2018, 57, 48-60.	1.7	4
51	Relative Magnitude of Gaussian Curvature from Shading Images Using Neural Network. Lecture Notes in Computer Science, 2005, , 813-819.	1.0	4
52	Colonoscopic Image Polyp Classification Using Texture Features. Lecture Notes in Computer Science, 2019, , 96-101.	1.0	4
53	Shadow Detection Method Based on Dirichlet Process Mixture Model. Lecture Notes in Computer Science, 2010, , 89-96.	1.0	4
54	3D Reconstruction of Remote Sensing Image Using Region Growing Combining with CMVS-PMVS. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 29-36.	0.3	4

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55	Neural Network Implementation of Image Rendering via Self-Calibration. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2010, 14, 344-352.	0.5	4
56	Construction of Shadow Model by Robust Features to Illumination Changes. International Journal of Software Innovation, 2013, 1, 45-55.	0.3	4
57	Reduction of Defect Misclassification of Electronic Board Using Multiple SVM Classifiers. International Journal of Software Innovation, 2014, 2, 25-36.	0.3	4
58	Automatic Polyp Detection from Endoscope Image using Likelihood Map based on Edge Information. , 2017, , .		4
59	Development of Judging Method of Understanding Level in Web Learning. Lecture Notes in Computer Science, 2005, , 781-786.	1.0	4
60	3D Shape Recovery from Endoscope Image Based on Both Photometric and Geometric Constraints. Smart Innovation, Systems and Technologies, 2015, , 65-80.	0.5	4
61	A Robust Method for Blood Vessel Extraction in Endoscopic Images with SVM-based Scene Classification. , 2017, , .		4
62	Extraction of Key-Frames From Endoscopic Videos by Using Depth Information. IEEE Access, 2021, 9, 153004-153011.	2.6	4
63	3D Texture Reconstruction of Abdominal Cavity Based on Monocular Vision SLAM for Minimally Invasive Surgery. Symmetry, 2022, 14, 185.	1.1	4
64	Photometric stereo under illumination from unknown zenith angles. Systems and Computers in Japan, 1991, 22, 99-108.	0.2	3
65	Image Reproduction based on Texture Image Extension with Traced Drawing for Heavy Damaged Mural Painting. Procedia Computer Science, 2013, 22, 968-975.	1.2	3
66	Feature Point Based Polyp Tracking in Endoscopic Videos. , 2015, , .		3
67	Tracking with probabilistic background model by density forests. , 2016, , .		3
68	Shape from SEM Image Using Fast Marching Method and Intensity Modification by Neural Network. Advances in Intelligent Systems and Computing, 2014, , 73-86.	0.5	3
69	Polyp Shape Recovery using Vascular Border from Single Colonoscopy Image. , 2019, , .		3
70	Robust tracking method based on particle filter for crossing of targets with similar appearances. , 2012, , .		2
71	A Study for Vision Based Data Glove Considering Hidden Fingertip with Self-Occlusion. , 2012, , .		2
72	Development of an Automatic Measurement System of Diameter of Pupil - As an Indicator of Comprehension among Web-based Learners. Procedia Computer Science, 2013, 22, 772-779.	1.2	2

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73	Generation of Stratified Image Database with Web Image Sharing Service and Ontology. , 2014, , .		2
74	Neural Network Based Image Modification for Shape from Observed SEM Images. , 2014, , .		2
75	Recovering size and shape of polyp from endoscope image by RBF-NN modification. , 2015, , .		2
76	3D shape recovery of polyp using two light sources endoscope. , 2016, , .		2
77	Tracking with Extraction of Moving Object under Moving Camera Environment. Procedia Computer Science, 2017, 112, 1479-1487.	1.2	2
78	Estimation of user location for hearing-dog robot using past experience. , 2017, , .		2
79	Efficient User-Searching of A Hearing-Dog Robot in Consideration of user's Life Rhythm. , 2018, , .		2
80	Hierarchical uncorrelated multiview discriminant locality preserving projection for multiview facial expression recognition. Journal of Visual Communication and Image Representation, 2018, 54, 171-181.	1.7	2
81	LiDAR Data Classification Based on Improved Conditional Generative Adversarial Networks. IEEE Access, 2020, 8, 209674-209686.	2.6	2
82	Shadow Removal Method for Real-Time Extraction of Moving Objects. Lecture Notes in Computer Science, 2007, , 1021-1028.	1.0	2
83	Generation of Web Image Database Based on Hybrid Noise Removal Method of Visual and Semantic Features. Transactions of the Japanese Society for Artificial Intelligence, 2017, 32, WII-N_1-10.	0.1	2
84	Virtual Scissors in a Thin Haptic and Force Feedback Environment. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2009, 13, 283-288.	0.5	2
85	Direct shape reconstruction of 3-D object from multiple shading images.. Journal of Light and Visual Environment, 1987, 11, 13-21.	0.2	2
86	Influence of Presence of Frame on Writer Recognition. Lecture Notes in Computer Science, 2007, , 1045-1050.	1.0	2
87	Preliminary Research for System Construction That Judges Understanding Level from Learner's Expressions and Movements. Lecture Notes in Computer Science, 2011, , 80-88.	1.0	2
88	Reducing Misclassification of True Defects in Defect Classification of Electronic Board. Studies in Computational Intelligence, 2018, , 77-92.	0.7	2
89	Shape Recovery of Polyp from Endoscope Image Using Blood Vessel Information. Studies in Computational Intelligence, 2018, , 165-184.	0.7	2
90	Dense 3D Reconstruction of Endoscopic Polyp. , 2018, , .		2

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91	Blood Vessel Delineation in Endoscopic Images with Deep Learning Based Scene Classification. Lecture Notes in Computer Science, 2018, , 147-168.	1.0	2
92	Deep Neural Network for Estimating Value of Quality of Life in Driving Scenes. , 2022, , .		2
93	On the representation of pure compound saturated ($Z_V \sim Z_L$) values. Canadian Journal of Chemical Engineering, 1990, 68, 171-173.	0.9	1
94	Unidirectional photometric flow fields under illuminating directions with slightly varied azimuth angles. Systems and Computers in Japan, 1992, 23, 85-95.	0.2	1
95	Shape recovery of color textured object using Fast Marching Method via self-calibration. , 2010, , .		1
96	Tracking Method in Consideration of Existence of Similar Object around Target Object. Procedia Computer Science, 2013, 22, 366-374.	1.2	1
97	Effectiveness Comparison of Visual and Semantic Features for Noise Image Removal. Procedia Computer Science, 2016, 96, 1112-1121.	1.2	1
98	Polyp Shape Recovery Based on Blood Vessel Structure Analysis. Procedia Computer Science, 2017, 112, 1793-1800.	1.2	1
99	Polyp shape estimation from endoscopy video using EKF monocular SLAM with SFS model prior. , 2017, , .		1
100	Cost Reduction of Creating Likelihood Map for Automatic Polyp Detection Using Image Pyramid. , 2017, , .		1
101	Consideration of Life Rhythm for Hearing-Dog Robots Searching for User. , 2018, , .		1
102	Shape Recovery Using Improved Fast Marching Method for SEM Image. , 2018, , .		1
103	Shape Recovery of Polyp Using Blood Vessel Detection and Matching Estimation by U-Net. , 2019, , .		1
104	Lidar Data Classification Algorithm Based on Generative Adversarial Network. , 2019, , .		1
105	Automatic Generation of Polyp Image using Depth Map for Endoscope Dataset. Procedia Computer Science, 2021, 192, 2355-2364.	1.2	1
106	Recovering 3-D Shape Based on Light Fall-Off Stereo under Point Light Source Illumination and Perspective Projection. Lecture Notes in Computer Science, 2010, , 81-88.	1.0	1
107	Shape Modification from Endoscope Images by Regression Analysis. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 199-210.	0.3	1
108	Study of Features of Problem Group and Prediction of Understanding Level. Lecture Notes in Computer Science, 2006, , 1176-1181.	1.0	1

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109	A Hybrid Face Recognition System for Managing Time of Going to Work and Getting away from Office. Lecture Notes in Computer Science, 2010, , 63-71.	1.0	1
110	Modification of Polyp Size and Shape from Two Endoscope Images Using RBF Neural Network. Lecture Notes in Computer Science, 2015, , 229-246.	1.0	1
111	Hybrid Approach of Ontology and Image Clustering for Automatic Generation of Hierarchic Image Database. International Journal of Networked and Distributed Computing, 2015, 3, 234.	1.3	1
112	Improvement of Recovering Shape from Endoscope Images Using RBF Neural Network. , 2015, , .		1
113	Medical Image Fusion in NSCT Domain Combining with Compressive Sensing. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 1-8.	0.3	1
114	3D Shape from SEM Image Using Improved FastMarching Method. Lecture Notes in Computer Science, 2017, , 735-747.	1.0	1
115	An Efficient Algorithm for Medical Image Fusion Using Nonsubsampled Shearlet Transform. Advances in Intelligent Systems and Computing, 2018, , 243-252.	0.5	1
116	Polyp Shape Recovery from Single Endoscope Image using Medical Suture. Open Bioinformatics Journal, 2019, 12, 1-17.	1.0	1
117	Influence of Character Type of Japanese Hiragana on Writer Recognition. Lecture Notes in Computer Science, 2008, , 934-941.	1.0	1
118	Point Source Illumination Stereo for Objects with Uniform Reflectance. Systems and Computers in Japan, 1990, 21, 23-33.	0.2	0
119	An Application to Photometric Stereo by Neural Networks. Journal of Intelligent and Fuzzy Systems, 1994, 2, 69-73.	0.8	0
120	Estimation of surface orientation from directional derivatives of shading image. International Journal of Systems Science, 1995, 26, 975-981.	3.7	0
121	Booking heterogeneous processor resources to reduce communication overhead. , 1997, , .		0
122	A recursive time estimation algorithm for program traces under resource constraints. , 1998, , .		0
123	Color photometric stereo and virtual image rendering using neural networks. Electronics and Communications in Japan, 2007, 90, 47-60.	0.2	0
124	Updating Background Image for Motion Tracking Using Particle Filter. Studies in Computational Intelligence, 2009, , 405-414.	0.7	0
125	Shadow Detection Method Based on Shadow Model with Normalized Vector Distance and Edge. Studies in Computational Intelligence, 2013, , 103-113.	0.7	0
126	Improvement of the Measurement Accuracy and Speed of Pupil Dilation as an Indicator of Comprehension. Procedia Computer Science, 2014, 35, 1202-1209.	1.2	0

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127	A novel human detection algorithm combining HOG with LBP histogram Fourier. , 2015, , .		0
128	RDF Class Collection from Distributed LOD. , 2015, , .		0
129	Automated generation of hierarchic image database with hybrid method of ontology and GMM-based image clustering. , 2015, , .		0
130	Probabilistic Background Model by Density Forests for Tracking. International Journal of Software Innovation, 2017, 5, 1-16.	0.3	0
131	Object Tracking Based on Hierarchical Convolutional Features. Communications in Computer and Information Science, 2018, , 729-737.	0.4	0
132	Partial zoom on small display for people suffering from presbyopia. , 2019, , .		0
133	Classification of Benign or Malignant Cell Nuclei using Nucleolus. , 2019, , .		0
134	Automatic Detection of LST-Type Polyp by CNN Using Depth Map. Intelligent Systems Reference Library, 2022, , 177-196.	1.0	0
135	Construction of Attribute Dataset with SNS Mining for Generic Object Recognition. Procedia Computer Science, 2021, 192, 1401-1410.	1.2	0
136	Agent Learning Using Immune Evolved Genetic Network Programming. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 637-644.	0.1	0
137	Improvement of Accuracy for Gaussian Curvature Using Modification Neural Network. Lecture Notes in Computer Science, 2007, , 1013-1020.	1.0	0
138	Estimation of Initial Contour Based on Edge Background Subtraction for Self-affine Mapping System. Lecture Notes in Computer Science, 2007, , 1005-1012.	1.0	0
139	Study of Writer Recognition by Japanese Hiragana. Lecture Notes in Computer Science, 2009, , 689-696.	1.0	0
140	Recognition of Road Contours Using Delineators at Night. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 932-939.	0.1	0
141	A Method of 3D Position Estimation Using Asynchronous Multiple Pan-Tilt Cameras. Journal of the Japan Society for Precision Engineering, 2009, 75, 284-289.	0.0	0
142	Soccer Player's Pose Recognition by Creative Search for Generating Free Viewpoint Images. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2009, 13, 193-203.	0.5	0
143	Improved Part-based Human Detection Using Depth Information. IEEJ Transactions on Industry Applications, 2011, 131, 475-481.	0.1	0
144	Detecting Separation of Moving Objects Based on Non-parametric Bayesian Scheme for Tracking by Particle Filter. Lecture Notes in Computer Science, 2011, , 108-116.	1.0	0

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145	Detecting Separations of Moving Objects for Particle Filter. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1083-1084.	0.1	0
146	Shape Recovery of Glossy Surface from Shading Image and its Directional Derivatives.. Journal of Light and Visual Environment, 1994, 18, 11-17.	0.2	0
147	Sign of surface curvature from shading images using neural network. Lecture Notes in Computer Science, 1997, , 40-47.	1.0	0
148	Object Tracking Method Using PTAMM and Estimated Foreground Regions. Studies in Computational Intelligence, 2015, , 205-218.	0.7	0
149	Improving Accuracy for Shape Recovery from Medical Endoscope Image Using Neural Network Learning. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 556-563.	0.1	0
150	Blocking Variable Step Size Forward-Backward Pursuit Algorithm for Image Reconstruction. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 17-22.	0.3	0
151	Pedestrian Detection Algorithm Combining HOG and SLBP. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 175-182.	0.3	0
152	Recovering Polyp Shape from an Endoscope Image Using Two Light Sources. International Journal of Software Innovation, 2017, 5, 33-54.	0.3	0
153	Fall Detection of Elderly Persons by Action Recognition Using Data Augmentation and State Transition Diagram. Studies in Computational Intelligence, 2020, , 95-109.	0.7	0
154	Efficient Hearing-Dog-Robot Searching for User Using Life Pattern Clustering. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2020, 32, 860-865.	0.0	0
155	Blood Vessel Structure Analysis in Endoscopic Images for Computer-Aided Diagnosis. , 2020, , .		0
156	Detection of Cell Nuclei using LadderNet. , 2020, , .		0
157	A saliency map-guided shape compactness for segmentation of polyps in colonoscopy images. Signal, Image and Video Processing, 0, , 1.	1.7	0
158	Coronavirus disease situation analysis and prediction using machine learning: a study on Bangladeshi population. International Journal of Electrical and Computer Engineering, 2022, 12, 4217.	0.5	0