

Yuji Iwahori

List of Publications by Year in descending order

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158
papers

745
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160
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160
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160
times ranked

496
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Detection of LST-Type Polyp by CNN Using Depth Map. Intelligent Systems Reference Library, 2022, , 177-196.	1.0	0
2	3D Texture Reconstruction of Abdominal Cavity Based on Monocular Vision SLAM for Minimally Invasive Surgery. Symmetry, 2022, 14, 185.	1.1	4
3	Deep Neural Network for Estimating Value of Quality of Life in Driving Scenes. , 2022, , .		2
4	Semantic SLAM Based on Deep Learning in Endocavity Environment. Symmetry, 2022, 14, 614.	1.1	10
5	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
6	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
7	Precise Crop Classification of Hyperspectral Images Using Multi-Branch Feature Fusion and Dilation-Based MLP. Remote Sensing, 2022, 14, 2713.	1.8	10
8	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
9	Multi-level uncorrelated discriminative shared Gaussian process for multi-view facial expression recognition. Visual Computer, 2021, 37, 143-159.	2.5	6
10	Colonoscopic Polyp Classification Using Local Shape and Texture Features. IEEE Access, 2021, 9, 92629-92639.	2.6	10
11	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
12	Construction of Attribute Dataset with SNS Mining for Generic Object Recognition. Procedia Computer Science, 2021, 192, 1401-1410.	1.2	0
13	Automatic Generation of Polyp Image using Depth Map for Endoscope Dataset. Procedia Computer Science, 2021, 192, 2355-2364.	1.2	1
14	Extraction of Key-Frames From Endoscopic Videos by Using Depth Information. IEEE Access, 2021, 9, 153004-153011.	2.6	4
15	LiDAR Data Classification Based on Improved Conditional Generative Adversarial Networks. IEEE Access, 2020, 8, 209674-209686.	2.6	2
16	A Novel Digital Modulation Recognition Algorithm Based on Deep Convolutional Neural Network. Applied Sciences (Switzerland), 2020, 10, 1166.	1.3	29
17	A Novel LiDAR Data Classification Algorithm Combined CapsNet with ResNet. Sensors, 2020, 20, 1151.	2.1	24
18	Heterogeneous Defect Prediction Based on Transfer Learning to Handle Extreme Imbalance. Applied Sciences (Switzerland), 2020, 10, 396.	1.3	6

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19	Fall Detection of Elderly Persons by Action Recognition Using Data Augmentation and State Transition Diagram. <i>Studies in Computational Intelligence</i> , 2020, , 95-109.	0.7	0
20	Efficient Hearing-Dog-Robot Searching for User Using Life Pattern Clustering. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , 2020, 32, 860-865.	0.0	0
21	Blood Vessel Structure Analysis in Endoscopic Images for Computer-Aided Diagnosis. , 2020, , .		0
22	Detection of Cell Nuclei using LadderNet. , 2020, , .		0
23	Improved Endoscopic Polyp Classification using GAN Generated Synthetic Data Augmentation. , 2020, , .		6
24	A Method of Data Augmentation for Classifying Road Damage Considering Influence on Classification Accuracy. <i>Procedia Computer Science</i> , 2019, 159, 1449-1458.	1.2	19
25	Contour-Aware Residual W-Net for Nuclei Segmentation. <i>Procedia Computer Science</i> , 2019, 159, 1479-1488.	1.2	11
26	Detecting and Removing Specular Reflectance Components Based on Image Linearization. <i>Procedia Computer Science</i> , 2019, 159, 1576-1583.	1.2	5
27	Partial zoom on small display for people suffering from presbyopia. , 2019, , .		0
28	A HOG-SVM Based Fall Detection IoT System for Elderly Persons Using Deep Sensor. <i>Procedia Computer Science</i> , 2019, 147, 276-282.	1.2	43
29	Shape Recovery of Polyp Using Blood Vessel Detection and Matching Estimation by U-Net. , 2019, , .		1
30	Transportation Mobility Factor Extraction Using Image Recognition Techniques. , 2019, , .		7
31	Classification of Benign or Malignant Cell Nuclei using Nucleolus. , 2019, , .		0
32	Lidar Data Classification Algorithm Based on Generative Adversarial Network. , 2019, , .		1
33	A Dual Neural Architecture Combined SqueezeNet with OctConv for LiDAR Data Classification. <i>Sensors</i> , 2019, 19, 4927.	2.1	14
34	Colonoscopic Image Polyp Classification Using Texture Features. <i>Lecture Notes in Computer Science</i> , 2019, , 96-101.	1.0	4
35	Polyp Shape Recovery from Single Endoscope Image using Medical Suture. <i>Open Bioinformatics Journal</i> , 2019, 12, 1-17.	1.0	1
36	Polyp Shape Recovery using Vascular Border from Single Colonoscopy Image. , 2019, , .		3

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37	Consideration of Life Rhythm for Hearing-Dog Robots Searching for User. , 2018, , .		1
38	Classification of Polyps in Capsule Endoscopic Images using CNN. , 2018, , .		4
39	Efficient User-Searching of A Hearing-Dog Robot in Consideration of user's Life Rhythm. , 2018, , .		2
40	Defect Classification of Electronic Board Using Dense SIFT and CNN. Procedia Computer Science, 2018, 126, 1673-1682.	1.2	12
41	Defect Classification of Printed Circuit Boards based on Transfer Learning. , 2018, , .		22
42	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
43	Shape Recovery Using Improved Fast Marching Method for SEM Image. , 2018, , .		1
44	Automatic Segmentation of Polyps in Endoscopic Image Using Level-Set Formulation. , 2018, , .		5
45	Object Tracking Based on Hierarchical Convolutional Features. Communications in Computer and Information Science, 2018, , 729-737.	0.4	0
46	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
47	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
48	Active contour segmentation of polyps in capsule endoscopic images. , 2018, , .		12
49	Reducing Misclassification of True Defects in Defect Classification of Electronic Board. Studies in Computational Intelligence, 2018, , 77-92.	0.7	2
50	Shape Recovery of Polyp from Endoscope Image Using Blood Vessel Information. Studies in Computational Intelligence, 2018, , 165-184.	0.7	2
51	Dense 3D Reconstruction of Endoscopic Polyp. , 2018, , .		2
52	Blood Vessel Delineation in Endoscopic Images with Deep Learning Based Scene Classification. Lecture Notes in Computer Science, 2018, , 147-168.	1.0	2
53	An Efficient Algorithm for Medical Image Fusion Using Nonsubsampled Shearlet Transform. Advances in Intelligent Systems and Computing, 2018, , 243-252.	0.5	1
54	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

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55	Tracking with Extraction of Moving Object under Moving Camera Environment. Procedia Computer Science, 2017, 112, 1479-1487.	1.2	2
56	Polyp Shape Recovery Based on Blood Vessel Structure Analysis. Procedia Computer Science, 2017, 112, 1793-1800.	1.2	1
57	Extraction of Cell Nuclei using CNN Features. Procedia Computer Science, 2017, 112, 1633-1640.	1.2	5
58	Estimation of user location for hearing-dog robot using past experience. , 2017, , .		2
59	Polyp shape estimation from endoscopy video using EKF monocular SLAM with SFS model prior. , 2017, , .		1
60	Cost Reduction of Creating Likelihood Map for Automatic Polyp Detection Using Image Pyramid. , 2017, , .		1
61	Probabilistic Background Model by Density Forests for Tracking. International Journal of Software Innovation, 2017, 5, 1-16.	0.3	0
62	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
63	Automatic Polyp Detection from Endoscope Image using Likelihood Map based on Edge Information. , 2017, , .		4
64	A Robust Method for Blood Vessel Extraction in Endoscopic Images with SVM-based Scene Classification. , 2017, , .		4
65	3D Shape from SEM Image Using Improved Fast-Marching Method. Lecture Notes in Computer Science, 2017, , 735-747.	1.0	1
66	Recovering Polyp Shape from an Endoscope Image Using Two Light Sources. International Journal of Software Innovation, 2017, 5, 33-54.	0.3	0
67	Particle Filter Based Tracking with Image-based Localization. Procedia Computer Science, 2016, 96, 977-986.	1.2	4
68	Effectiveness Comparison of Visual and Semantic Features for Noise Image Removal. Procedia Computer Science, 2016, 96, 1112-1121.	1.2	1
69	3D shape recovery of polyp using two light sources endoscope. , 2016, , .		2
70	New Feature for Shadow Detection by Combination of Two Features Robust to Illumination Changes. Procedia Computer Science, 2016, 96, 896-903.	1.2	4
71	Tracking with probabilistic background model by density forests. , 2016, , .		3
72	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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73	Estimating Reflectance Parameter of Polyp using Medical Suture Information in Endoscope Image. , 2016, , .		5
74	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
75	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
76	Pedestrian Detection Algorithm Combining HOG and SLBP. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 175-182.	0.3	0
77	A novel human detection algorithm combining HOG with LBP histogram Fourier. , 2015, , .		0
78	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
79	Recovering size and shape of polyp from endoscope image by RBF-NN modification. , 2015, , .		2
80	RDF Class Collection from Distributed LOD. , 2015, , .		0
81	Object Tracking with Improved Detector of Objects Similar to Target. Procedia Computer Science, 2015, 60, 740-749.	1.2	4
82	Feature Point Based Polyp Tracking in Endoscopic Videos. , 2015, , .		3
83	Automated generation of hierarchic image database with hybrid method of ontology and GMM-based image clustering. , 2015, , .		0
84	Automatic Detection of Polyp Using Hessian Filter and HOG Features. Procedia Computer Science, 2015, 60, 730-739.	1.2	40
85	Shape Modification from Endoscope Images by Regression Analysis. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 199-210.	0.3	1
86	Object Tracking Method Using PTAMM and Estimated Foreground Regions. Studies in Computational Intelligence, 2015, , 205-218.	0.7	0
87	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
88	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
89	3D Shape Recovery from Endoscope Image Based on Both Photometric and Geometric Constraints. Smart Innovation, Systems and Technologies, 2015, , 65-80.	0.5	4
90	Improvement of Recovering Shape from Endoscope Images Using RBF Neural Network. , 2015, , .		1

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91	Medical Image Fusion in NSCT Domain Combining with Compressive Sensing. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 1-8.	0.3	1
92	A novel set of features for continuous hand gesture recognition. Journal on Multimodal User Interfaces, 2014, 8, 333-343.	2.0	57
93	Generation of Stratified Image Database with Web Image Sharing Service and Ontology. , 2014, , .		2
94	Neural Network Based Image Modification for Shape from Observed SEM Images. , 2014, , .		2
95	Shadow Detection by Three Shadow Models with Features Robust to Illumination Changes. Procedia Computer Science, 2014, 35, 1219-1228.	1.2	9
96	Hand gesture recognition and animation for local hand motions. International Journal of Machine Learning and Cybernetics, 2014, 5, 607-623.	2.3	4
97	Defect Classification of Electronic Circuit Board Using SVM based on Random Sampling. Procedia Computer Science, 2014, 35, 1210-1218.	1.2	19
98	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
99	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
100	Reduction of Defect Misclassification of Electronic Board Using Multiple SVM Classifiers. International Journal of Software Innovation, 2014, 2, 25-36.	0.3	4
101	Shadow Detection Method Based on Shadow Model with Normalized Vector Distance and Edge. Studies in Computational Intelligence, 2013, , 103-113.	0.7	0
102	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
103	Shape from Endoscope Image based on Photometric and Geometric Constraints. Procedia Computer Science, 2013, 22, 1285-1293.	1.2	13
104	Tracking Method in Consideration of Existence of Similar Object around Target Object. Procedia Computer Science, 2013, 22, 366-374.	1.2	1
105	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
106	Defect Classification of Electronic Board Using Multiple Classifiers and Grid Search of SVM Parameters. Studies in Computational Intelligence, 2013, , 115-127.	0.7	10
107	Construction of Shadow Model by Robust Features to Illumination Changes. International Journal of Software Innovation, 2013, 1, 45-55.	0.3	4
108	Robust tracking method based on particle filter for crossing of targets with similar appearances. , 2012, , .		2

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109	A Study for Vision Based Data Glove Considering Hidden Fingertip with Self-Occlusion. , 2012, , .		2
110	Improved Defect Classification of Printed Circuit Board Using SVM. Smart Innovation, Systems and Technologies, 2012, , 355-363.	0.5	5
111	Preliminary Research for System Construction That Judges Understanding Level from Learner's Expression and Movement. Lecture Notes in Computer Science, 2011, , 80-88.	1.0	2
112	Improved Part-based Human Detection Using Depth Information. IEEJ Transactions on Industry Applications, 2011, 131, 475-481.	0.1	0
113	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
114	Detecting Separations of Moving Objects for Particle Filter. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1083-1084.	0.1	0
115	Discrimination of True Defect and Indefinite Defect with Visual Inspection Using SVM. Lecture Notes in Computer Science, 2011, , 117-125.	1.0	7
116	Shape recovery of color textured object using Fast Marching Method via self-calibration. , 2010, , .		1
117	Extending Fast Marching Method under Point Light Source Illumination and Perspective Projection. , 2010, , .		7
118	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
119	Shadow Detection Method Based on Dirichlet Process Mixture Model. Lecture Notes in Computer Science, 2010, , 89-96.	1.0	4
120	Neural Network Implementation of Image Rendering via Self-Calibration. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2010, 14, 344-352.	0.5	4
121	People detection based on co-occurrence of appearance and spatio-temporal features. Progress in Informatics, 2010, , 33.	0.2	12
122	Robust Tracking Method to Intersections of Objects with Similar Patterns. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 1588-1596.	0.1	6
123	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
124	Updating Background Image for Motion Tracking Using Particle Filter. Studies in Computational Intelligence, 2009, , 405-414.	0.7	0
125	Self-calibration and Image Rendering Using RBF Neural Network. Lecture Notes in Computer Science, 2009, , 705-712.	1.0	5
126	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

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127	Study of Writer Recognition by Japanese Hiragana. Lecture Notes in Computer Science, 2009, , 689-696.	1.0	0
128	Recognition of Road Contours Using Delineators at Night. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 932-939.	0.1	0
129	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
130	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
131	GPU based extraction of moving objects without shadows under intensity changes. , 2008, , .		10
132	Shape from self-calibration and Fast Marching Method. , 2008, , .		4
133	Influence of Character Type of Japanese Hiragana on Writer Recognition. Lecture Notes in Computer Science, 2008, , 934-941.	1.0	1
134	Color photometric stereo and virtual image rendering using neural networks. Electronics and Communications in Japan, 2007, 90, 47-60.	0.2	0
135	Shadow Removal Method for Real-Time Extraction of Moving Objects. Lecture Notes in Computer Science, 2007, , 1021-1028.	1.0	2
136	Improvement of Accuracy for Gaussian Curvature Using Modification Neural Network. Lecture Notes in Computer Science, 2007, , 1013-1020.	1.0	0
137	Influence of Presence of Frame on Writer Recognition. Lecture Notes in Computer Science, 2007, , 1045-1050.	1.0	2
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 Features of Problem Group and Prediction of Understanding Level. Lecture Notes in Computer Science, 2006, , 1176-1181.	1.0	1
140	Obtaining Shape from Scanning Electron Microscope using Hopfield Neural Network. Journal of Intelligent Manufacturing, 2005, 16, 715-725.	4.4	7
141	Relative Magnitude of Gaussian Curvature from Shading Images Using Neural Network. Lecture Notes in Computer Science, 2005, , 813-819.	1.0	4
142	Development of Judging Method of Understanding Level in Web Learning. Lecture Notes in Computer Science, 2005, , 781-786.	1.0	4
143	Agent Learning Using Immune Evolved Genetic Network Programming. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 637-644.	0.1	0
144	A recursive time estimation algorithm for program traces under resource constraints. , 1998, , .		0

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145	Application Of Fuzzy Theory To Writer Recognition Of Chinese Characters. International Journal of Modelling and Simulation, 1998, 18, 112-116.	2.3	33
146	Booking heterogeneous processor resources to reduce communication overhead. , 1997, , .		0
147	Sign of surface curvature from shading images using neural network. Lecture Notes in Computer Science, 1997, , 40-47.	1.0	0
148	Estimation of surface orientation from directional derivatives of shading image. International Journal of Systems Science, 1995, 26, 975-981.	3.7	0
149	An Application to Photometric Stereo by Neural Networks. Journal of Intelligent and Fuzzy Systems, 1994, 2, 69-73.	0.8	0
150	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
151	Unidirectional photometric flow fields under illuminating directions with slightly varied azimuth angles. Systems and Computers in Japan, 1992, 23, 85-95.	0.2	1
152	Photometric stereo under illumination from unknown zenith angles. Systems and Computers in Japan, 1991, 22, 99-108.	0.2	3
153	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
154	Point Source Illumination Stereo for Objects with Uniform Reflectance. Systems and Computers in Japan, 1990, 21, 23-33.	0.2	0
155	Extended photometric stereo for an object with unknown reflectance property. Systems and Computers in Japan, 1989, 20, 83-92.	0.2	4
156	On the application of cubic equations of state: Analytical expression for \hat{V}/Tr and improved liquid density calculations. Fluid Phase Equilibria, 1989, 50, 1-20.	1.4	14
157	Direct shape reconstruction of 3-D object from multiple shading images.. Journal of Light and Visual Environment, 1987, 11, 13-21.	0.2	2
158	A saliency map-guided shape compactness for segmentation of polyps in colonoscopy images. Signal, Image and Video Processing, 0, , 1.	1.7	0