

Yen-Wei Chen

List of Publications by Year in descending order

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258
papers

3,055
citations

304743

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h-index

395702

33
g-index

264
all docs

264
docs citations

264
times ranked

1968
citing authors

#	ARTICLE	IF	CITATIONS
1	UNet 3+: A Full-Scale Connected UNet for Medical Image Segmentation. , 2020, , .		929
2	Automated Segmentation of the Liver from 3D CT Images Using Probabilistic Atlas and Multilevel Statistical Shape Model. Academic Radiology, 2008, 15, 1390-1403.	2.5	117
3	Automatic Cephalometric Landmark Detection on X-ray Images Using a Deep-Learning Method. Applied Sciences (Switzerland), 2020, 10, 2547.	2.5	64
4	VesselNet: A deep convolutional neural network with multi pathways for robust hepatic vessel segmentation. Computerized Medical Imaging and Graphics, 2019, 75, 74-83.	5.8	62
5	Robust multi-logo watermarking by RDWT and ICA. Signal Processing, 2006, 86, 2981-2993.	3.7	54
6	Medical Image Classification Using Deep Learning. Intelligent Systems Reference Library, 2020, , 33-51.	1.2	48
7	Ensemble learning for independent component analysis. Pattern Recognition, 2006, 39, 81-88.	8.1	47
8	Improved segmentation of low-contrast lesions using sigmoid edge model. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1267-1283.	2.8	47
9	Semi-supervised Segmentation of Liver Using Adversarial Learning with Deep Atlas Prior. Lecture Notes in Computer Science, 2019, , 148-156.	1.3	47
10	Segmentation of Liver in Low-Contrast Images Using K-Means Clustering and Geodesic Active Contour Algorithms. IEICE Transactions on Information and Systems, 2013, E96.D, 798-807.	0.7	44
11	Segmentation of liver and spleen based on computational anatomy models. Computers in Biology and Medicine, 2015, 67, 146-160.	7.0	43
12	Texture-specific bag of visual words model and spatial cone matching-based method for the retrieval of focal liver lesions using multiphase contrast-enhanced CT images. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 151-164.	2.8	40
13	Combining Convolutional and Recurrent Neural Networks for Classification of Focal Liver Lesions in Multi-phase CT Images. Lecture Notes in Computer Science, 2018, , 666-675.	1.3	39
14	Abdominal Multi-Organ Segmentation of CT Images Based on Hierarchical Spatial Modeling of Organ Interrelations. Lecture Notes in Computer Science, 2012, , 173-180.	1.3	35
15	VolumeNet: A Lightweight Parallel Network for Super-Resolution of MR and CT Volumetric Data. IEEE Transactions on Image Processing, 2021, 30, 4840-4854.	9.8	33
16	Feature Selection Using Recursive Feature Elimination for Handwritten Digit Recognition. , 2009, , .		32
17	Sex-related difference in human white matter volumes studied: Inspection of the corpus callosum and other white matter by VBM. Scientific Reports, 2017, 7, 39818.	3.3	32
18	PAResSeg: A phase attention residual network for liver tumor segmentation from multiphase CT images. Medical Physics, 2021, 48, 3752-3766.	3.0	30

#	ARTICLE	IF	CITATIONS
19	Multimodal Medical Image Registration Using Particle Swarm Optimization. , 2008, , .		29
20	Distributed Dynamic Process Monitoring Based on Minimal Redundancy Maximal Relevance Variable Selection and Bayesian Inference. IEEE Transactions on Control Systems Technology, 2020, 28, 2037-2044.	5.2	28
21	Generalized N-dimensional principal component analysis (GND-PCA) and its application on construction of statistical appearance models for medical volumes with fewer samples. Neurocomputing, 2009, 72, 2276-2287.	5.9	27
22	ROBUST DIGITAL WATERMARKING BASED ON PRINCIPAL COMPONENT ANALYSIS. International Journal of Computational Intelligence and Applications, 2004, 04, 183-192.	0.8	26
23	Tensor-based sparse representations of multi-phase medical images for classification of focal liver lesions. Pattern Recognition Letters, 2020, 130, 207-215.	4.2	25
24	Medical Image Segmentation With Deep Atlas Prior. IEEE Transactions on Medical Imaging, 2021, 40, 3519-3530.	8.9	23
25	Articulated Hand Tracking by PCA-ICA Approach. , 0, , .		22
26	Automatic optical flank wear measurement of microdrills using level set for cutting plane segmentation. Machine Vision and Applications, 2010, 21, 667-676.	2.7	22
27	Bag of Features Tracking. , 2010, , .		22
28	Incremental MPCA for Color Object Tracking. , 2010, , .		21
29	Application of ICA to X-ray coronary digital subtraction angiography. Neurocomputing, 2012, 79, 168-172.	5.9	21
30	Classification and Quantification of Emphysema Using a Multi-Scale Residual Network. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2526-2536.	6.3	21
31	Multi-Modal Adaptive Fusion Transformer Network for the Estimation of Depression Level. Sensors, 2021, 21, 4764.	3.8	21
32	Food recognition by combined bags of color features and texture features. , 2016, , .		19
33	Machine Learning for Histologic Subtype Classification of Non-Small Cell Lung Cancer: A Retrospective Multicenter Radiomics Study. Frontiers in Oncology, 2020, 10, 608598.	2.8	19
34	Computer-Aided Diagnosis and Quantification of Cirrhotic Livers Based on Morphological Analysis and Machine Learning. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-8.	1.3	18
35	Fine-Grained Butterfly Classification in Ecological Images Using Squeeze-And-Excitation and Spatial Attention Modules. Applied Sciences (Switzerland), 2020, 10, 1681.	2.5	18
36	A Robust Eye Detection and Tracking Technique Using Gabor Filters. , 2007, , .		17

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37	A Machine Learning-Based Framework for Automatic Visual Inspection of Microdrill Bits in PCB Production. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1679-1689.	2.9	16
38	Sparse Codebook Model of Local Structures for Retrieval of Focal Liver Lesions Using Multiphase Medical Images. International Journal of Biomedical Imaging, 2017, 2017, 1-13.	3.9	16
39	Attention-RefNet: Interactive Attention Refinement Network for Infected Area Segmentation of COVID-19. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2363-2373.	6.3	16
40	3D Facial Landmark Detection Using Deep Convolutional Neural Networks. , 2018, , .		15
41	Classification of Focal Liver Lesions Using Deep Learning with Fine-Tuning. , 2018, , .		15
42	Hybrid method combining superpixel, random walk and active contour model for fast and accurate liver segmentation. Computerized Medical Imaging and Graphics, 2018, 70, 119-134.	5.8	15
43	An Improved Hand Gesture Recognition with Two-Stage Convolution Neural Networks Using a Hand Color Image and its Pseudo-Depth Image. , 2019, , .		15
44	Genotype-Guided Radiomics Signatures for Recurrence Prediction of Non-Small Cell Lung Cancer. IEEE Access, 2021, 9, 90244-90254.	4.2	15
45	A Dual-Attention Dilated Residual Network for Liver Lesion Classification and Localization on CT Images. , 2019, , .		14
46	Automatic Detection of Focal Liver Lesions in Multi-phase CT Images Using A Multi-channel & Multi-scale CNN. , 2019, 2019, 872-875.		14
47	Heuristic reconstructions of neutron penumbral images. Review of Scientific Instruments, 2004, 75, 3980-3982.	1.3	13
48	Quantitative Imaging. Academic Radiology, 2015, 22, 303-309.	2.5	13
49	Graph-Based Pyramid Global Context Reasoning With a Saliency-Aware Projection for Covid-19 Lung Infections Segmentation. , 2021, , .		13
50	Automatic Facial Image Manipulation System and Facial Texture Analysis. , 2009, , .		12
51	Integration of a knowledge-based constraint into generative models with applications in semi-automatic segmentation of liver tumors. Biomedical Signal Processing and Control, 2020, 57, 101725.	5.7	12
52	Joint Extraction of Retinal Vessels and Centerlines Based on Deep Semantics and Multi-Scaled Cross-Task Aggregation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2722-2732.	6.3	12
53	Automatic Liver Segmentation Using U-Net with Wasserstein GANs. Journal of Image and Graphics(UK), 2019, 7, 94-101.	3.2	12
54	Liver Segmentation from Low Contrast Open MR Scans Using K-Means Clustering and Graph-Cuts. Lecture Notes in Computer Science, 2010, , 162-169.	1.3	11

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55	Object tracking by multi-cues spatial pyramid matching. , 2010, , .		11
56	Simultaneous Segmentation of Multiple Organs Using Random Walks. Journal of Information Processing, 2016, 24, 320-329.	0.4	11
57	Fast Dark Channel Prior Based Haze Removal from a Single Image. , 2018, , .		11
58	Deep Fusion Models of Multi-Phase CT and Selected Clinical Data for Preoperative Prediction of Early Recurrence in Hepatocellular Carcinoma. IEEE Access, 2020, 8, 139212-139220.	4.2	11
59	Automatic Detection and Segmentation of Liver Tumors in Multi- phase CT Images by Phase Attention Mask R-CNN. , 2021, , .		11
60	Comparison of Machine Learning-Based Radiomics Models for Early Recurrence Prediction of Hepatocellular Carcinoma. Journal of Image and Graphics(United Kingdom), 2019, 7, 117-125.	3.2	11
61	Separating Reflections from Images Using Kernel Independent Component Analysis. , 2006, , .		10
62	Enhancement and detection of lung nodules with Multiscale filters in CT images. , 2008, , .		10
63	Fast and effective color-based object tracking by boosted color distribution. Pattern Analysis and Applications, 2013, 16, 647-661.	4.6	10
64	Non-rigid image registration with anatomical structure constraint for assessing locoregional therapy of hepatocellular carcinoma. Computerized Medical Imaging and Graphics, 2015, 45, 75-83.	5.8	10
65	Joint weber-based rotation invariant uniform local ternary pattern for classification of pulmonary emphysema in CT images. , 2017, , .		10
66	An Improved Random Walker with Bayes Model for Volumetric Medical Image Segmentation. Journal of Healthcare Engineering, 2017, 2017, 1-11.	1.9	10
67	DeepRecS: From RECIST Diameters to Precise Liver Tumor Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 614-625.	6.3	10
68	Residual Convolutional Neural Networks with Global and Local Pathways for Classification of Focal Liver Lesions. Lecture Notes in Computer Science, 2018, , 617-628.	1.3	10
69	Hand-Crafted and Deep Learning-Based Radiomics Models for Recurrence Prediction of Non-Small Cells Lung Cancers. Smart Innovation, Systems and Technologies, 2020, , 135-144.	0.6	10
70	Blur Invariant Phase Correlation in X-Ray Digital Subtraction Angiography. , 2007, , .		9
71	Hybrid particle swarm optimization for 3-D image registration. , 2009, , .		9
72	Preliminary study on statistical shape model applied to diagnosis of liver cirrhosis. , 2011, , .		9

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73	Three-dimensional semiautomatic liver segmentation method for non-contrast computed tomography based on a correlation map of locoregional histogram and probabilistic atlas. Computers in Biology and Medicine, 2014, 55, 79-85.	7.0	9
74	Bag of temporal co-occurrence words for retrieval of focal liver lesions using 3D multiphase contrast-enhanced CT images. , 2016, , .		9
75	A Cascade of 2.5D CNN and Bidirectional CLSTM Network for Mitotic Cell Detection in 4D Microscopy Image. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 396-404.	3.0	9
76	Mutual Information-Based Graph Co-Attention Networks for Multimodal Prior-Guided Magnetic Resonance Imaging Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2512-2526.	8.3	9
77	Integration of CNN, CBMIR, and Visualization Techniques for Diagnosis and Quantification of Covid-19 Disease. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1873-1880.	6.3	9
78	Patch-Free 3D Medical Image Segmentation Driven by Super-Resolution Technique and Self-Supervised Guidance. Lecture Notes in Computer Science, 2021, , 131-141.	1.3	9
79	Detection of Liver Tumor Candidates from CT Images Using Deep Convolutional Neural Networks. Smart Innovation, Systems and Technologies, 2018, , 140-145.	0.6	9
80	Single Image Depth Map Estimation for Improving Posture Recognition. IEEE Sensors Journal, 2021, 21, 26997-27004.	4.7	9
81	ICA-based robust logo image watermarking. , 2004, 5306, 162.		8
82	Head Detection and Tracking by Mean-Shift and Kalman Filter. , 2008, , .		8
83	Adaptive Color Independent Components Based SIFT Descriptors for Image Classification. , 2010, , .		8
84	A robust method based on ICA and mixture sparsity for edge detection in medical images. Signal, Image and Video Processing, 2011, 5, 39-47.	2.7	8
85	Human body segmentation based on deformable models and two-scale superpixel. Pattern Analysis and Applications, 2012, 15, 399-413.	4.6	8
86	Automatic Segmentation of Liver Tumor in Multiphase CT Images by Mask R-CNN. , 2020, , .		8
87	Automatic Optical Inspection of Micro Drill Bit in Printed Circuit Board Manufacturing Based on Pattern Classification. , 2008, , .		7
88	2D-PCA Based Statistical Shape Model from few Medical Samples. , 2009, , .		7
89	Generalized N-Dimensional Principal Component Analysis (GND-PCA) Based Statistical Appearance Modeling of Facial Images with Multiple Modes. IPSJ Transactions on Computer Vision and Applications, 2009, 1, 231-241.	4.4	7
90	Quantitative Assessment of Facial Paralysis Based on Spatiotemporal Features. IEICE Transactions on Information and Systems, 2016, E99.D, 187-196.	0.7	7

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91	Automatic Segmentation of the Paranasal Sinus from Computer Tomography Images Using a Probabilistic Atlas and a Fully Convolutional Network. , 2019, 2019, 2789-2792.		7
92	Robust Detection and Recognition of Japanese Traffic Sign in the Complex Scenes Based on Deep Learning. , 2019, , .		7
93	LogoNet: Layer-Aggregated Attention CenterNet for Logo Detection. , 2021, , .		7
94	Accurate BAPL Score Classification of Brain PET Images Based on Convolutional Neural Networks with a Joint Discriminative Loss Function. Applied Sciences (Switzerland), 2020, 10, 965.	2.5	7
95	Robust RDWT-ICA based information hiding. Soft Computing, 2006, 10, 1135-1144.	3.6	6
96	Principal Component Analysis of O-linked Glycosylation Sites in Protein Sequence. , 2007, , .		6
97	Interactive System of Artificial Fish School Based on the Extended Boid Model. , 2008, , .		6
98	Hybrid Aggregation of Sparse Coded Descriptors for Food Recognition. , 2014, , .		6
99	Spike Code Flow in Cultured Neuronal Networks. Computational Intelligence and Neuroscience, 2016, 2016, 1-11.	1.7	6
100	Retinal Vessel Segmentation via Multiscaled Deep-Guidance. Lecture Notes in Computer Science, 2018, , 158-168.	1.3	6
101	MaHG-RGBD: A Multi-angle View Hand Gesture RGB-D Dataset for Deep Learning Based Gesture Recognition and Baseline Evaluations. , 2019, , .		6
102	LogoNet: A Robust Layer-Aggregated Dual-Attention Anchorfree Logo Detection Framework with an Adversarial Domain Adaptation Approach. Applied Sciences (Switzerland), 2021, 11, 9622.	2.5	6
103	CoSTHR: A Heart Rate Estimating Network With Adaptive Color Space Transformation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	6
104	Ring artifacts reduction in cone-beam CT images based on independent component analysis. , 2009, , .		5
105	Association and Abstraction on Neural Circuit Loop and Coding. , 2009, , .		5
106	PCA Based Statical Shape Model of the Spleen. , 2009, , .		5
107	Image recognition by learned linear subspace of combined bag-of-features and low-level features. , 2010, , .		5
108	A DWT-DCT Based Robust Multiple Watermarks for Medical Image. , 2012, , .		5

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109	Capturing large shape variations of liver using population-based statistical shape models. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 967-977.	2.8	5
110	Automatic feature point detection using deep convolutional networks for quantitative evaluation of facial paralysis. , 2016, , .		5
111	A Controlled Generative Model for Segmentation of Liver Tumors. , 2019, , .		5
112	BG-Net: Boundary-Guided Network for Lung Segmentation on Clinical CT Images. , 2021, , .		5
113	A Cascade Attention Network for Liver Lesion Classification in Weakly-Labeled Multi-phase CT Images. Lecture Notes in Computer Science, 2019, , 129-138.	1.3	5
114	Classification of Brain Matters in MRI by Kernel Independent Component Analysis. , 2008, , .		4
115	Batch-incremental principal component analysis with exact mean update. , 2011, , .		4
116	Global and local features for accurate impression estimation of cloth fabric images. , 2013, , .		4
117	Interactive segmentation and visualization system for medical images on mobile devices. Journal of Advanced Simulation in Science and Engineering, 2015, 2, 96-107.	0.2	4
118	A knowledge-based interactive liver segmentation using random walks. , 2015, , .		4
119	Generalized Aggregation of Sparse Coded Multi-Spectra for Satellite Scene Classification. ISPRS International Journal of Geo-Information, 2017, 6, 175.	2.9	4
120	Generic and Specific Impressions Estimation and Their Application to KANSEI-Based Clothing Fabric Image Retrieval. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1854024.	1.2	4
121	Case Discrimination: Self-supervised Feature Learning for the Classification of Focal Liver Lesions. Smart Innovation, Systems and Technologies, 2021, , 241-249.	0.6	4
122	Longitudinal Prediction of Infant MR Images With Multi-Contrast Perceptual Adversarial Learning. Frontiers in Neuroscience, 2021, 15, 653213.	2.8	4
123	Computer Simulation of Image Distortion by Atmospheric Turbulence Using Time-Series Image Data with 250-Million-Pixels. International Journal of Computer and Electrical Engineering, 2018, 10, 53-61.	0.2	4
124	Improved Genotype-Guided Deep Radiomics Signatures for Recurrence Prediction of Non-Small Cell Lung Cancer. , 2021, 2021, 3561-3564.		4
125	3D Image Reconstruction from Limited Projections by Simulated Annealing. , 2007, , .		3
126	Gaze Tracking by Binocular Vision Technology and PPBTF Features. , 2008, , .		3

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127	Region-Based Segmentation and Auto-Annotation for Color Images. , 2008, , .		3
128	Face Image Metamorphosis with an Improved Multilevel B-Spline Approximation. , 2009, , .		3
129	Image Categorization by Learned PCA Subspace of Combined Visual-words and Low-level Features. , 2009, , .		3
130	Principal Component Analysis for Prediction of O-Linked Glycosylation Sites in Protein by Multi-Layered Neural Networks. , 2009, , .		3
131	Robust tracking based on Boosted Color Soft Segmentation and ICA-R. , 2010, , .		3
132	Robust multiple watermarks for volume data based on 3D-DWT and 3D-DFT. , 2011, , .		3
133	Multilinear Supervised Neighborhood Embedding with Local Descriptor Tensor for Face Recognition. IEICE Transactions on Information and Systems, 2011, E94-D, 158-161.	0.7	3
134	3D DWT-DCT based multiple watermarks for medical volume data robust to geometrical attacks. , 2011, , .		3
135	Efficient shape representation and statistical shape modeling of the liver using spherical harmonic functions (SPHARM). , 2012, , .		3
136	Sparse model in hierarchic spatial structure for food image recognition. , 2013, , .		3
137	Pilot study of applying shape analysis to liver cirrhosis diagnosis. , 2013, , .		3
138	Reconstruction of 3D dynamic expressions from single facial image. , 2013, , .		3
139	Alignment-Free and High-Frequency Compensation in Face Hallucination. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	3
140	Automatic optical phase identification of micro-drill bits based on improved ASM and bag of shape segment in PCB production. Machine Vision and Applications, 2014, 25, 1411-1422.	2.7	3
141	Comprehensive Study of Multiple CNNs Fusion for Fine-Grained Dog Breed Categorization. , 2018, , .		3
142	Three-Dimensional Embryonic Image Segmentation and Registration Based on Shape Index and Ellipsoid-Fitting Method. Journal of Computational Biology, 2019, 26, 128-142.	1.6	3
143	WNET: An End-to-End Atlas-Guided and Boundary-Enhanced Network for Medical Image Segmentation. , 2020, , .		3
144	High-Resolution Gaze-Corrected Image Generation based on Combined Conditional GAN and Residual Dense Network. , 2020, , .		3

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145	Utilizing Disease-Specific Organ Shape Components for Disease Discrimination: Application to Discrimination of Chronic Liver Disease from CT Data. Lecture Notes in Computer Science, 2013, 16, 235-242.	1.3	3
146	Statistical Facial Image Characterization of Perceived Translucency Based on Principal Component Analysis. Journal of Society of Cosmetic Chemists of Japan, 2015, 49, 95-106.	0.1	3
147	Automatic Generation of High-Resolution Facial Expression Images with End-to-End Models Using Pix2Pix and Super-Resolution Convolutional Neural Network. , 2021, , .		3
148	Independent Component Analysis for Removing X-ray Scatter in X-ray Images. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2
149	Semiautomatic non-rigid 3-D image registration for MR-Guided Liver Cancer Surgery. , 2008, , .		2
150	Gaze tracking by Binocular Vision and LBP features. , 2008, , .		2
151	A supervised nonlinear neighborhood embedding of color histogram for image indexing. , 2008, , .		2
152	An active contours method based on intensity and reduced Gabor features for texture segmentation. , 2009, , .		2
153	Independent component analysis based ring artifact reduction in cone-beam CT images. , 2009, , .		2
154	Analysis of Centerline Extraction in Three-Dimensional Scale Space - Extracting Centerline of Vessels in Hepatic Artery. , 2009, , .		2
155	Automatic prediction of trait anxiety degree using recognition rates of facial emotions. , 2013, , .		2
156	Improving active shape models performance in low-contrast images using a KNN-based search algorithm - with applications in liver segmentation. , 2015, , .		2
157	Phenotype Analysis Method for Identification of Gene Functions Involved in Asymmetric Division of <i>Caenorhabditis elegans</i> . Journal of Computational Biology, 2017, 24, 436-446.	1.6	2
158	Multi-dimensional data representation using linear tensor coding. IET Image Processing, 2017, 11, 492-501.	2.5	2
159	Tensor Sparse Representation of Temporal Features for Content-Based Retrieval of Focal Liver Lesions Using Multi-phase Medical Images. , 2017, , .		2
160	Automatic segmentation of prostate in MR images using deep learning and multi-atlas techniques. , 2018, , .		2
161	Semi-Automatic Segmentation of Paranasal Sinus from CT images Using Fully Convolutional Networks. , 2018, , .		2
162	An end-to-end CNN and LSTM network with 3D anchors for mitotic cell detection in 4D microscopic images and its parallel implementation on multiple GPUs. Neural Computing and Applications, 2020, 32, 5669-5679.	5.6	2

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163	IDH Mutation Status Prediction by Modality-Self Attention Network. Smart Innovation, Systems and Technologies, 2021, , 51-57.	0.6	2
164	Parallel-Connected Residual Channel Attention Network for Remote Sensing Image Super-Resolution. Lecture Notes in Computer Science, 2021, , 18-30.	1.3	2
165	Bayesian Model for Liver Tumor Enhancement. Smart Innovation, Systems and Technologies, 2016, , 227-235.	0.6	2
166	Development of an Interactive Semantic Medical Image Segmentation System. , 2020, , .		2
167	Automatic Generation of Eye Gaze Corrected Video Using Recursive Conditional Generative Adversarial Networks. , 2020, , .		2
168	Hyperspectral Image Reconstruction Using Multi-scale Fusion Learning. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-21.	4.3	2
169	Automatic Segmentation of Infant Brain Ventricles with Hydrocephalus in MRI Based on Deep Multi-path Learning. , 2022, , .		2
170	tensorGSEA: Detecting Differential Pathways in Type 2 Diabetes via Tensor-Based Data Reconstruction. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 520-531.	3.6	2
171	An ICA Based Noise Reduction for PET Reconstructed Images. , 2007, , .		1
172	Multilinear analysis based on image texture for face recognition. , 2008, , .		1
173	Robust Face Recognition Based on Modified ICA without Training Sample of Test Subjects. , 2008, , .		1
174	Mapping Functions of Color Image Features and Human KANSEI. , 2008, , .		1
175	Improved Active Shape Model for automatic optical phase identification of microdrill bits in Printed Circuit Board production. , 2009, , .		1
176	Facial Caricaturing System Based on Multi-view Active Shape Models. , 2009, , .		1
177	Automatic optical phase identification of microdrill bits using Active Shape Models. , 2009, , .		1
178	Pose-Robust Face Recognition Based on 3D Shape Reconstruction. , 2009, , .		1
179	Automatic facial expression recognition based on pixel-pattern-based texture feature. International Journal of Imaging Systems and Technology, 2010, 20, 253-260.	4.1	1
180	Prediction of O-linked glycosylation sites in protein by independent component analysis. , 2010, , .		1

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181	Image Categorization by Learned Nonlinear Subspace of Combined Visual-Words and Low-Level Features. , 2010, , .		1
182	View-Based Object Recognition Using ND Tensor Supervised Neighborhood Embedding. IEICE Transactions on Information and Systems, 2012, E95-D, 835-843.	0.7	1
183	Computational Intelligence in Biomedical Science and Engineering. Computational Intelligence and Neuroscience, 2012, 2012, 1-2.	1.7	1
184	Facial paralysis modeling based on image morphing. , 2013, , .		1
185	Nonrigid registration for evaluating locoregional therapy of hepatocellular carcinoma. , 2013, , .		1
186	Two-step learning based super resolution and its application to 3D medical volumes. , 2015, , .		1
187	Generic and specific impression estimation of clothing fabric images based on machine learning. , 2015, , .		1
188	SIFT-based multi-frame super resolution for 250 million pixel images. , 2016, , .		1
189	Multiplex communication by BP learning in neural network. , 2016, , .		1
190	A principal component analysis based method to automatically inspect wear of throw-away tips. Journal of Intelligent and Fuzzy Systems, 2016, 31, 903-913.	1.4	1
191	A retrieval system for 3D multi-phase contrast-enhanced CT images of focal liver lesions based on combined bags of visual words and texture words. , 2016, , .		1
192	Automated Assessment of Small Bowel Motility Function Based on Feature Points Tracking. , 2018, , .		1
193	Interactive Virtual Campus Tour System Using Skeleton Information from Kinect. , 2018, , .		1
194	Novel image restoration method based on multi-frame super-resolution for atmospherically distorted images. IET Image Processing, 2020, 14, 168-175.	2.5	1
195	Accurate and fast mitotic detection using an anchor-free method based on full-scale connection with recurrent deep layer aggregation in 4D microscopy images. BMC Bioinformatics, 2021, 22, 91.	2.6	1
196	Reducing reconstruction error of classified textural patches by integration of random forests and coupled dictionary nonlinear regressors: with applications to super-resolution of abdominal CT images. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1469-1480.	2.8	1
197	M-DFNet. , 2021, , .		1
198	A Tensor Sparse Representation-Based CBMIR System for Computer-Aided Diagnosis of Focal Liver Lesions and its Pilot Trial. , 2021, , .		1

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199	A Teacher-Student Learning Based On Composed Ground-Truth Images For Accurate Cephalometric Landmark Detection. , 2021, , .		1
200	Content-Based Retrieval of Focal Liver Lesions Using Geometrical and Textural Features of Multi-Phase CT-Scan Images. Smart Innovation, Systems and Technologies, 2021, , 251-263.	0.6	1
201	Automatic Optical Phase Identification of Microdrill Bits in Printed Circuit Board Manufacturing. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 1397-1407.	0.2	1
202	CasCRNN-GL-Net: cascaded convolutional and recurrent neural networks with global and local pathways for classification of focal liver lesions in multi-phase CT images. Communications in Information and Systems, 2020, 20, 415-442.	0.5	1
203	Simulation of Facial Palsy using Conditional Generative Adversarial Networks and Face Shape Normalization. , 2021, , .		1
204	Identification of Peritonitis Using Two-Stream Deep Spatial-Temporal Convolutional Networks. , 2022, , .		1
205	Prediction of Therapy Response in Patients with NSCLC based on CT Images. , 2022, , .		1
206	Unsupervised Domain Adaptation with Adversarial Learning for Liver Tumors Detection in Multi-phase CT Images. Smart Innovation, Systems and Technologies, 2022, , 149-159.	0.6	1
207	Temporal resolved x-ray penumbral imaging technique using heuristic image reconstruction procedure and wide dynamic range x-ray streak camera. Review of Scientific Instruments, 2004, 75, 4010-4012.	1.3	0
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