

Petia I Radeva

List of Publications by Year in descending order

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250
papers

5,028
citations

101384

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261
all docs

261
docs citations

261
times ranked

4082
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Decoding Process in Ternary Error-Correcting Output Codes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 120-134.	9.7	221
2	Human Activity Recognition from Accelerometer Data Using a Wearable Device. Lecture Notes in Computer Science, 2011, , 289-296.	1.0	212
3	Discriminant ECOC: a heuristic method for application dependent design of error correcting output codes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1007-1012.	9.7	201
4	Traffic Sign Recognition Using Evolutionary Adaboost Detection and Forest-ECOC Classification. IEEE Transactions on Intelligent Transportation Systems, 2009, 10, 113-126.	4.7	161
5	Personalization and user verification in wearable systems using biometric walking patterns. Personal and Ubiquitous Computing, 2012, 16, 563-580.	1.9	136
6	Separability of ternary codes for sparse designs of error-correcting output codes. Pattern Recognition Letters, 2009, 30, 285-297.	2.6	105
7	Standardized evaluation methodology and reference database for evaluating IVUS image segmentation. Computerized Medical Imaging and Graphics, 2014, 38, 70-90.	3.5	105
8	Subclass Problem-Dependent Design for Error-Correcting Output Codes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1041-1054.	9.7	102
9	Late Stent Recoil of the Bioabsorbable Everolimus-Eluting Coronary Stent and its Relationship With Plaque Morphology. Journal of the American College of Cardiology, 2008, 52, 1616-1620.	1.2	88
10	Deformable B-Solids and Implicit Snakes for 3D Localization and Tracking of SPAMM MRI Data. Computer Vision and Image Understanding, 1997, 66, 163-178.	3.0	86
11	Meta-Parameter Free Unsupervised Sparse Feature Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1716-1722.	9.7	86
12	New Insight Into Intestinal Motor Function via Noninvasive Endoluminal Image Analysis. Gastroenterology, 2008, 135, 1155-1162.	0.6	85
13	SRBF: Speckle Reducing Bilateral Filtering. Ultrasound in Medicine and Biology, 2010, 36, 1353-1363.	0.7	85
14	Generic feature learning for wireless capsule endoscopy analysis. Computers in Biology and Medicine, 2016, 79, 163-172.	3.9	84
15	Grab, Pay, and Eat: Semantic Food Detection for Smart Restaurants. IEEE Transactions on Multimedia, 2018, 20, 3266-3275.	5.2	77
16	Tag surface reconstruction and tracking of myocardial beads from SPAMM-MRI with parametric B-spline surfaces. IEEE Transactions on Medical Imaging, 2001, 20, 94-103.	5.4	73
17	Blurred Shape Model for binary and grey-level symbol recognition. Pattern Recognition Letters, 2009, 30, 1424-1433.	2.6	71
18	Distance Learning for Similarity Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 451-462.	9.7	67

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19	Rayleigh Mixture Model for Plaque Characterization in Intravascular Ultrasound. IEEE Transactions on Biomedical Engineering, 2011, 58, 1314-1324.	2.5	66
20	Data preparation for artificial intelligence in medical imaging: A comprehensive guide to open-access platforms and tools. Physica Medica, 2021, 83, 25-37.	0.4	63
21	An incremental node embedding technique for error correcting output codes. Pattern Recognition, 2008, 41, 713-725.	5.1	59
22	Simultaneous food localization and recognition. , 2016, , .		59
23	Context-Based Object-Class Recognition and Retrieval by Generalized Correlograms. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1818-1833.	9.7	57
24	Predictive (un)distortion model and 3-D reconstruction by biplane snakes. IEEE Transactions on Medical Imaging, 2002, 21, 1188-1201.	5.4	54
25	HoliMAb: A holistic approach for Mediaâ€™Adventitia border detection in intravascular ultrasound. Medical Image Analysis, 2012, 16, 1085-1100.	7.0	51
26	A comparative approach of four different image registration techniques for quantitative assessment of coronary artery calcium lesions using intravascular ultrasound. Computer Methods and Programs in Biomedicine, 2015, 118, 158-172.	2.6	51
27	Vesselness enhancement diffusion. Pattern Recognition Letters, 2003, 24, 3141-3151.	2.6	50
28	Intestinal Motility Assessment With Video Capsule Endoscopy: Automatic Annotation of Phasic Intestinal Contractions. IEEE Transactions on Medical Imaging, 2010, 29, 246-259.	5.4	50
29	Statistical strategy for anisotropic adventitia modelling in IVUS. IEEE Transactions on Medical Imaging, 2006, 25, 768-778.	5.4	49
30	Accurate Coronary Centerline Extraction, Caliber Estimation, and Catheter Detection in Angiographies. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1332-1340.	3.6	49
31	Automatic Detection of Intestinal Juices in Wireless Capsule Video Endoscopy. , 2006, , .		48
32	ROC curves and video analysis optimization in intestinal capsule endoscopy. Pattern Recognition Letters, 2006, 27, 875-881.	2.6	46
33	Minimal design of error-correcting output codes. Pattern Recognition Letters, 2012, 33, 693-702.	2.6	45
34	CoLe-CNN: Context-learning convolutional neural network with adaptive loss function for lung nodule segmentation. Computer Methods and Programs in Biomedicine, 2021, 198, 105792.	2.6	41
35	Approximate polytope ensemble for one-class classification. Pattern Recognition, 2014, 47, 854-864.	5.1	40
36	Categorization and Segmentation of Intestinal Content Frames for Wireless Capsule Endoscopy. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1341-1352.	3.6	39

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37	Wall-based measurement features provides an improved IVUS coronary artery risk assessment when fused with plaque texture-based features during machine learning paradigm. Computers in Biology and Medicine, 2017, 91, 198-212.	3.9	38
38	Boosted Landmarks of Contextual Descriptors and Forest-ECOC: A novel framework to detect and classify objects in cluttered scenes. Pattern Recognition Letters, 2007, 28, 1759-1768.	2.6	37
39	Food Recognition Using Fusion of Classifiers Based on CNNs. Lecture Notes in Computer Science, 2017, , 213-224.	1.0	37
40	Graph cuts optimization for multi-limb human segmentation in depth maps. , 2012, , .		36
41	SLSNet: Skin lesion segmentation using a lightweight generative adversarial network. Expert Systems With Applications, 2021, 183, 115433.	4.4	36
42	SR-clustering: Semantic regularized clustering for egocentric photo streams segmentation. Computer Vision and Image Understanding, 2017, 155, 55-69.	3.0	35
43	Boosting the distance estimation. Pattern Recognition Letters, 2006, 27, 201-209.	2.6	34
44	Functional gut disorders or disordered gut function? Small bowel dysmotility evidenced by an original technique. Neurogastroenterology and Motility, 2012, 24, 223.	1.6	34
45	Calcium detection, its quantification, and grayscale morphology-based risk stratification using machine learning in multimodality big data coronary and carotid scans: A review. Computers in Biology and Medicine, 2018, 101, 184-198.	3.9	34
46	Regularized uncertainty-based multi-task learning model for food analysis. Journal of Visual Communication and Image Representation, 2019, 60, 360-370.	1.7	33
47	Circular Blurred Shape Model for Multiclass Symbol Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 497-506.	5.5	32
48	Local Color Analysis for Scene Break Detection Applied to TV Commercials Recognition. Lecture Notes in Computer Science, 1999, , 237-244.	1.0	32
49	Classification of functional bowel disorders by objective physiological criteria based on endoluminal image analysis. American Journal of Physiology - Renal Physiology, 2015, 309, G413-G419.	1.6	31
50	Acceptability of a lifelogging wearable camera in older adults with mild cognitive impairment: a mixed-method study. BMC Geriatrics, 2019, 19, 110.	1.1	29
51	ECOC-ONE: A Novel Coding and Decoding Strategy. , 2006, , .		28
52	Fast Rigid Registration of Vascular Structures in IVUS Sequences. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 1006-1011.	3.6	28
53	Intravascular Ultrasound Tissue Characterization with Sub-class Error-Correcting Output Codes. Journal of Signal Processing Systems, 2009, 55, 35-47.	1.4	28
54	Approximate Convex Hulls Family for One-Class Classification. Lecture Notes in Computer Science, 2011, , 106-115.	1.0	28

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55	Boosting contextual information in content-based image retrieval. , 2004, , .		27
56	Automatic Bifurcation Detection in Coronary IVUS Sequences. IEEE Transactions on Biomedical Engineering, 2012, 59, 1022-1031.	2.5	27
57	Potential Use of Mobile Phone Applications for Self-Monitoring and Increasing Daily Fruit and Vegetable Consumption: A Systematized Review. Nutrients, 2019, 11, 686.	1.7	27
58	R-Clustering for Egocentric Video Segmentation. Lecture Notes in Computer Science, 2015, , 327-336.	1.0	27
59	Food Ingredients Recognition Through Multi-label Learning. Lecture Notes in Computer Science, 2017, , 394-402.	1.0	26
60	A fully-automatic caudate nucleus segmentation of brain MRI: Application in volumetric analysis of pediatric attention-deficit/hyperactivity disorder. BioMedical Engineering OnLine, 2011, 10, 105.	1.3	25
61	Experiments with SVM and Stratified Sampling with an Imbalanced Problem: Detection of Intestinal Contractions. Lecture Notes in Computer Science, 2005, , 783-791.	1.0	24
62	Modelling of image-catheter motion for 3-D IVUS. Medical Image Analysis, 2009, 13, 91-104.	7.0	24
63	Automatic brain caudate nuclei segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. Computerized Medical Imaging and Graphics, 2012, 36, 591-600.	3.5	23
64	Intravascular Ultrasound Images Vessel Characterization Using AdaBoost. Lecture Notes in Computer Science, 2003, , 242-251.	1.0	23
65	<title>3D catheter path reconstruction from biplane angiograms</title>. , 1998, , .		21
66	Spatio-Temporal GrabCut human segmentation for face and pose recovery. , 2010, , .		21
67	Reliable and Accurate Calcium Volume Measurement in Coronary Artery Using Intravascular Ultrasound Videos. Journal of Medical Systems, 2016, 40, 51.	2.2	21
68	Egocentric video description based on temporally-linked sequences. Journal of Visual Communication and Image Representation, 2018, 50, 205-216.	1.7	21
69	TEXTURE SEGMENTATION BY STATISTICAL DEFORMABLE MODELS. International Journal of Image and Graphics, 2004, 04, 433-452.	1.2	20
70	Approaching Artery Rigid Dynamics in IVUS. IEEE Transactions on Medical Imaging, 2009, 28, 1670-1680.	5.4	20
71	Visual summary of egocentric photostreams by representative keyframes. , 2015, , .		20
72	Curvature Vector Flow to Assure Convergent Deformable Models for Shape Modelling. Lecture Notes in Computer Science, 2003, , 357-372.	1.0	20

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73	Fusing in-vitro and in-vivo intravascular ultrasound data for plaque characterization. International Journal of Cardiovascular Imaging, 2010, 26, 763-779.	0.7	19
74	Five multiresolution-based calcium volume measurement techniques from coronary IVUS videos: A comparative approach. Computer Methods and Programs in Biomedicine, 2016, 134, 237-258.	2.6	19
75	Multi-face tracking by extended bag-of-tracklets in egocentric photo-streams. Computer Vision and Image Understanding, 2016, 149, 146-156.	3.0	19
76	In-Vivo IVUS Tissue Classification: A Comparison Between RF Signal Analysis and Reconstructed Images. Lecture Notes in Computer Science, 2006, , 137-146.	1.0	19
77	Using Reconstructed IVUS Images for Coronary Plaque Classification. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2167-70.	0.5	18
78	Extending anisotropic operators to recover smooth shapes. Computer Vision and Image Understanding, 2005, 99, 110-125.	3.0	17
79	Automatic IVUS Segmentation of Atherosclerotic Plaque with Stop & Go Snake. Lecture Notes in Computer Science, 2006, 9, 9-16.	1.0	17
80	Traffic sign recognition system with \hat{I}^2 -correction. Machine Vision and Applications, 2010, 21, 99-111.	1.7	16
81	Adaptable image cuts for motility inspection using WCE. Computerized Medical Imaging and Graphics, 2013, 37, 72-80.	3.5	16
82	Towards social pattern characterization in egocentric photo-streams. Computer Vision and Image Understanding, 2018, 171, 104-117.	3.0	16
83	Discriminant snakes for 3D reconstruction of anatomical organs. Medical Image Analysis, 2003, 7, 293-310.	7.0	15
84	With whom do I interact? Detecting social interactions in egocentric photo-streams. , 2016, , .		15
85	Identification of Intestinal Motility Events of Capsule Endoscopy Video Analysis. Lecture Notes in Computer Science, 2005, , 531-537.	1.0	15
86	Combining Growcut and Temporal Correlation for IVUS Lumen Segmentation. Lecture Notes in Computer Science, 2011, , 556-563.	1.0	15
87	Fast Spatial Pattern Discovery Integrating Boosting with Constellations of Contextual Descriptors. , 0, , .		14
88	Medical Imaging. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 5-16.	1.7	14
89	Automatic Detection of Bioabsorbable Coronary Stents in IVUS Images Using a Cascade of Classifiers. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 535-537.	3.6	14
90	Re-coding ECOCs without re-training. Pattern Recognition Letters, 2010, 31, 555-562.	2.6	14

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91	Online error correcting output codes. Pattern Recognition Letters, 2011, 32, 458-467.	2.6	14
92	Anisotropic Feature Extraction from Endoluminal Images for Detection of Intestinal Contractions. Lecture Notes in Computer Science, 2006, 9, 161-168.	1.0	14
93	Real-Time Gating of IVUS Sequences Based on Motion Blur Analysis: Method and Quantitative Validation. Lecture Notes in Computer Science, 2010, 13, 59-67.	1.0	14
94	Myocardial Perfusion Characterization From Contrast Angiography Spectral Distribution. IEEE Transactions on Medical Imaging, 2008, 27, 641-649.	5.4	13
95	Automatic Detection of Dominance and Expected Interest. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	13
96	Seeing and Hearing Egocentric Actions: How Much Can We Learn?. , 2019, , .		13
97	Well-balanced system for coronary calcium detection and volume measurement in a low resolution intravascular ultrasound videos. Computers in Biology and Medicine, 2017, 84, 168-181.	3.9	12
98	Recognizing Activities of Daily Living from Egocentric Images. Lecture Notes in Computer Science, 2017, , 87-95.	1.0	12
99	Linking Visual Cues and Semantic Terms Under Specific Digital Video Domains. Journal of Visual Languages and Computing, 2000, 11, 253-271.	1.8	11
100	Bayesian Classification of Cork Stoppers Using Class-Conditional Independent Component Analysis. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 32-38.	3.3	11
101	Automatic Non-rigid Temporal Alignment of Intravascular Ultrasound Sequences: Method and Quantitative Validation. Ultrasound in Medicine and Biology, 2013, 39, 1698-1712.	0.7	11
102	Detection of Wrinkle Frames in Endoluminal Videos Using Betweenness Centrality Measures for Images. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1831-1838.	3.9	11
103	Computer-aided detection of intracoronary stent in intravascular ultrasound sequences. Medical Physics, 2016, 43, 5616-5625.	1.6	11
104	Bilateral enhancers. , 2009, , .		10
105	Semantic Summarization of Egocentric Photo Stream Events. , 2017, , .		10
106	CoLe-CNN+: Context learning - Convolutional neural network for COVID-19-Ground-Glass-Opacities detection and segmentation. Computers in Biology and Medicine, 2021, 136, 104689.	3.9	10
107	Decoding of Ternary Error Correcting Output Codes. Lecture Notes in Computer Science, 2006, , 753-763.	1.0	10
108	Bayesian Classification for Inspection of Industrial Products. Lecture Notes in Computer Science, 2002, , 399-407.	1.0	10

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109	Non-rigid Multi-modal Registration of Coronary Arteries Using SIFTflow. Lecture Notes in Computer Science, 2011, , 159-166.	1.0	10
110	Measurement of 3D motion of myocardial material points from explicit B-surface reconstruction of tagged MRI data. Lecture Notes in Computer Science, 1998, , 110-118.	1.0	9
111	A Regularized Curvature Flow Designed for a Selective Shape Restoration. IEEE Transactions on Image Processing, 2004, 13, 1444-1458.	6.0	9
112	Social Network Extraction and Analysis Based on Multimodal Dyadic Interaction. Sensors, 2012, 12, 1702-1719.	2.1	9
113	Relation between plaque type, plaque thickness, blood shear stress, and plaque stress in coronary arteries assessed by X-ray Angiography and Intravascular Ultrasound. Medical Physics, 2012, 39, 7430-7445.	1.6	9
114	Diaphragm border detection in coronary X-ray angiographies: New method and applications. Computerized Medical Imaging and Graphics, 2014, 38, 296-305.	3.5	9
115	Batch-based activity recognition from egocentric photo-streams revisited. Pattern Analysis and Applications, 2018, 21, 953-965.	3.1	9
116	Guidelines for choosing optimal parameters of elasticity for snakes. Lecture Notes in Computer Science, 1995, , 106-113.	1.0	9
117	Blood Detection in IVUS Images for 3D Volume of Lumen Changes Measurement Due to Different Drugs Administration. Lecture Notes in Computer Science, 2007, , 285-292.	1.0	9
118	ECOC Random Fields for Lumen Segmentation in Radial Artery IVUS Sequences. Lecture Notes in Computer Science, 2009, 12, 869-876.	1.0	9
119	Active labeling application applied to food-related object recognition. , 2013, , .		8
120	Calcified Plaque Detection in IVUS Sequences: Preliminary Results Using Convolutional Nets. Lecture Notes in Computer Science, 2018, , 34-42.	1.0	8
121	Social Relation Recognition in Egocentric Photostreams. , 2019, , .		8
122	Topic modelling for routine discovery from egocentric photo-streams. Pattern Recognition, 2020, 104, 107330.	5.1	8
123	Leveraging Activity Indexing for Egocentric Image Retrieval. Lecture Notes in Computer Science, 2017, , 295-303.	1.0	8
124	Eigenmotion-Based Detection of Intestinal Contractions. Lecture Notes in Computer Science, 2007, , 293-300.	1.0	8
125	NSST domain CT-MR neurological image fusion using optimised biologically inspired neural network. IET Image Processing, 2020, 14, 4291-4305.	1.4	8
126	Recoding Error-Correcting Output Codes. Lecture Notes in Computer Science, 2009, , 11-21.	1.0	8

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127	Registration and retrieval of highly elastic bodies using contextual information. Pattern Recognition Letters, 2005, 26, 1720-1731.	2.6	7
128	Fundamentals of Stop and Go active models. Image and Vision Computing, 2005, 23, 681-691.	2.7	7
129	A Machine Learning Framework Using SOMs: Applications in the Intestinal Motility Assessment. Lecture Notes in Computer Science, 2006, , 188-197.	1.0	7
130	Cardiac Phase Extraction in IVUS Sequences using 1-D Gabor Filters. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 343-6.	0.5	7
131	Circular Blurred Shape Model for symbol spotting in documents. , 2009, , .		7
132	Bounds on the optimal elasticity parameters for a snake. Lecture Notes in Computer Science, 1995, , 37-42.	1.0	7
133	Automatic Discrimination of Duodenum in Wireless Capsule Video Endoscopy. IFMBE Proceedings, 2009, , 1536-1539.	0.2	7
134	Uncertainty-aware integration of local and flat classifiers for food recognition. Pattern Recognition Letters, 2020, 136, 237-243.	2.6	7
135	Ultrasonographic plaque characterization using a rayleigh mixture model. , 2010, , .		6
136	Aligning endoluminal scene sequences in wireless capsule endoscopy. , 2010, , .		6
137	Human limb segmentation in depth maps based on spatio-temporal Graph-cuts optimization. Journal of Ambient Intelligence and Smart Environments, 2012, 4, 535-546.	0.8	6
138	Supervised brain segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. , 2012, , .		6
139	Sentiment Recognition in Egocentric Photostreams. Lecture Notes in Computer Science, 2017, , 471-479.	1.0	6
140	Relationship between Automated Coronary Calcium Volumes and a Set of Manual Coronary Lumen Volume, Vessel Volume and Atheroma Volume in Japanese Diabetic Cohort. Journal of Clinical and Diagnostic Research JCDR, 2017, 11, TC09-TC14.	0.8	6
141	Multiple Wavelet Pooling for CNNs. Lecture Notes in Computer Science, 2019, , 671-675.	1.0	6
142	Activities of Daily Living Monitoring via a Wearable Camera: Toward Real-World Applications. IEEE Access, 2020, 8, 77344-77363.	2.6	6
143	Linear Radial Patterns Characterization for Automatic Detection of Tonic Intestinal Contractions. Lecture Notes in Computer Science, 2006, , 178-187.	1.0	6
144	A Rayleigh Mixture Model for IVUS Imaging. , 2012, , 25-47.		6

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145	Adaboost to Classify Plaque Appearance in IVUS Images. Lecture Notes in Computer Science, 2004, , 629-636.	1.0	6
146	Robust Image-Based IVUS Pullbacks Gating. Lecture Notes in Computer Science, 2008, 11, 518-525.	1.0	6
147	Accurate and Robust Fully-Automatic QCA: Method and Numerical Validation. Lecture Notes in Computer Science, 2011, 14, 496-503.	1.0	6
148	Shape Restoration via a Regularized Curvature Flow. Journal of Mathematical Imaging and Vision, 2004, 21, 205-223.	0.8	5
149	Complex Salient Regions for Computer Vision Problems. , 2007, , .		5
150	Separability of ternary Error-Correcting Output Codes. , 2008, , .		5
151	Motility bar: A new tool for motility analysis of endoluminal videos. Computers in Biology and Medicine, 2015, 65, 320-330.	3.9	5
152	Batch-Based Activity Recognition from Egocentric Photo-Streams. , 2017, , .		5
153	Recognizing Food Places in Egocentric Photo-Streams Using Multi-Scale Atrous Convolutional Networks and Self-Attention Mechanism. IEEE Access, 2019, 7, 39069-39082.	2.6	5
154	MACNet: Multi-scale Atrous Convolution Networks for Food Places Classification in Egocentric Photo-Streams. Lecture Notes in Computer Science, 2019, , 423-433.	1.0	5
155	Assessment of intracoronary stent location and extension in intravascular ultrasound sequences. Medical Physics, 2019, 46, 484-493.	1.6	5
156	Unsupervised Routine Discovery in Egocentric Photo-Streams. Lecture Notes in Computer Science, 2019, , 576-588.	1.0	5
157	Handwritten Symbol Recognition by a Boosted Blurred Shape Model with Error Correction. Lecture Notes in Computer Science, 2007, , 13-21.	1.0	5
158	Diagnostic System for Intestinal Motility Disfunctions Using Video Capsule Endoscopy. , 2008, , 251-260.		5
159	Interactive Labeling of WCE Images. Lecture Notes in Computer Science, 2011, , 143-150.	1.0	5
160	Web-based efficient dual attention networks to detect COVID-19 from X-ray images. Electronics Letters, 2020, 56, 1298-1301.	0.5	5
161	Construction of Boolean decision rules for ECG recognition by non-reducible descriptors. , 1996, , .		4
162	Retrieval of IVUS images using contextual information and elastic matching. International Journal of Intelligent Systems, 2005, 20, 541-559.	3.3	4

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163	Suppression of IVUS Image Rotation. A Kinematic Approach. Lecture Notes in Computer Science, 2005, , 359-368.	1.0	4
164	A Deterministic-Statistic Adventitia Detection in IVUS Images. Lecture Notes in Computer Science, 2005, , 65-74.	1.0	4
165	Efficient Object-Class Recognition by Boosting Contextual Information. Lecture Notes in Computer Science, 2005, , 28-35.	1.0	4
166	Forest Extension of Error Correcting Output Codes and Boosted Landmarks. , 2006, , .		4
167	A Meta-Learning Approach to Conditional Random Fields Using Error-Correcting Output Codes. , 2010, , .		4
168	ECOC-DRF: Discriminative random fields based on error correcting output codes. Pattern Recognition, 2014, 47, 2193-2204.	5.1	4
169	Towards social interaction detection in egocentric photo-streams. Proceedings of SPIE, 2015, , .	0.8	4
170	Clothing and People - A Social Signal Processing Perspective. , 2017, , .		4
171	All the people around me: Face discovery in egocentric photo-streams. , 2017, , .		4
172	Hierarchical Approach to Classify Food Scenes in Egocentric Photo-Streams. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 866-877.	3.9	4
173	Modelling the Acquisition Geometry of a C-Arm Angiography System for 3D Reconstruction. Lecture Notes in Computer Science, 2002, , 322-335.	1.0	4
174	EigenHistograms: Using Low Dimensional Models of Color Distribution for Real Time Object Recognition. Lecture Notes in Computer Science, 1999, , 17-24.	1.0	4
175	Food Recognition by Integrating Local and Flat Classifiers. Lecture Notes in Computer Science, 2019, , 65-74.	1.0	4
176	Video Segmentation of Life-Logging Videos. Lecture Notes in Computer Science, 2014, , 1-9.	1.0	4
177	Label Consistent Multiclass Discriminative Dictionary Learning for MRI Segmentation. Lecture Notes in Computer Science, 2014, , 138-147.	1.0	4
178	Object Discovery Using CNN Features in Egocentric Videos. Lecture Notes in Computer Science, 2015, , 67-74.	1.0	4
179	Enhancing In-Vitro IVUS Data for Tissue Characterization. Lecture Notes in Computer Science, 2009, , 241-248.	1.0	4
180	Automatic Internal Segmentation of Caudate Nucleus for Diagnosis of Attention-Deficit/Hyperactivity Disorder. Lecture Notes in Computer Science, 2012, , 222-229.	1.0	4

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181	Internal and External Coronary Vessel Images Registration. Lecture Notes in Computer Science, 2002, , 408-418.	1.0	4
182	Active labeling: Application to wireless endoscopy analysis. , 2012, , .		3
183	Where and What Am I Eating? Image-Based Food Menu Recognition. Lecture Notes in Computer Science, 2019, , 590-605.	1.0	3
184	Multi-scale decomposition-based CT-MR neurological image fusion using optimized bio-inspired spiking neural model with meta-heuristic optimization. International Journal of Imaging Systems and Technology, 2021, 31, 2170-2188.	2.7	3
185	An improved model of snakes for model-based segmentation. Lecture Notes in Computer Science, 1995, , 515-520.	1.0	3
186	Ultrasound Despeckle Methods. , 2012, , 49-71.		3
187	Class-Conditional Data Augmentation Applied to Image Classification. Lecture Notes in Computer Science, 2019, , 182-192.	1.0	3
188	Automatic Non-rigid Temporal Alignment of IVUS Sequences. Lecture Notes in Computer Science, 2012, , 15, 642-650.	1.0	3
189	Learning to Detect Stent Struts in Intravascular Ultrasound. Lecture Notes in Computer Science, 2013, , 575-583.	1.0	3
190	Non-rigid Registration of Vessel Structures in IVUS Images. Lecture Notes in Computer Science, 2003, , 45-52.	1.0	3
191	Training Convolutional Nets to Detect Calcified Plaque in IVUS Sequences. , 2020, , 141-158.		3
192	Optimized Multimodal Neurological Image Fusion Based on Low-Rank Texture Prior Decomposition and Super-Pixel Segmentation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	3
193	Building and registering parameterized 3D models of vessel trees for visualization during intervention. , 2004, , .		2
194	Coronary damage classification of patients with the Chagas disease with Error-Correcting Output Codes. , 2008, , .		2
195	Detection of Complex Salient Regions. Eurasip Journal on Advances in Signal Processing, 2008, 2008, , .	1.0	2
196	Visual content layer for scalable object recognition in urban image databases. , 2009, , .		2
197	Multimodal Data Fusion for Intelligent Cardiovascular Diagnosis and Treatment in the Active Vessel Medical Workstation. Journal of Intelligent Systems, 2009, 18, .	1.2	2
198	Toward Robust Myocardial Blush Grade Estimation in Contrast Angiography. Lecture Notes in Computer Science, 2009, , 249-256.	1.0	2

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199	Modelling and analyzing multimodal dyadic interactions using social networks. , 2010, , .		2
200	Intestinal event segmentation for endoluminal video analysis. , 2014, , .		2
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