

# Petia I Radeva

## List of Publications by Year in descending order

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250  
papers

5,028  
citations

101384

36  
h-index

133063

59  
g-index

261  
all docs

261  
docs citations

261  
times ranked

4082  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Class-conditional Importance Weighting for Deep Learning with Noisy Labels. , 2022, , .		1
3	Opt-SSL: An Enhanced Self-Supervised Framework for Food Recognition. Lecture Notes in Computer Science, 2022, , 655-666.	1.0	1
4	STPGANsFusion: Structure and Texture Preserving Generative Adversarial Networks for Multi-modal Medical Image Fusion. , 2022, , .		0
5	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
6	Understanding Event Boundaries for Egocentric Activity Recognition from Photo-Streams. Lecture Notes in Computer Science, 2021, , 334-347.	1.0	0
7	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
8	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
9	Does our social life influence our nutritional behaviour? Understanding nutritional habits from egocentric photo-streams. Expert Systems With Applications, 2021, 171, 114506.	4.4	1
10	Behavioural and neurophysiological signatures in the retrieval of individual memories of recent and remote real-life routine episodic events. Cortex, 2021, 141, 128-143.	1.1	2
11	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
12	B01...In vitro study of neurodevelopment in huntington's disease. , 2021, , .		0
13	SLSNet: Skin lesion segmentation using a lightweight generative adversarial network. Expert Systems With Applications, 2021, 183, 115433.	4.4	36
14	Egocentric vision for lifestyle understanding. , 2021, , 415-433.		0
15	Uncertainty-Aware Data Augmentation for Food Recognition. , 2021, , .		1
16	Editorial: Computer Vision Theory and Applications at VISAPP 2020. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, .	0.7	0
17	Hierarchical Approach to Classify Food Scenes in Egocentric Photo-Streams. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 866-877.	3.9	4
18	Activities of Daily Living Monitoring via a Wearable Camera: Toward Real-World Applications. IEEE Access, 2020, 8, 77344-77363.	2.6	6

#	ARTICLE	IF	CITATIONS
19	DeepNEM: Deep Network Energy-Minimization for Agricultural Field Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 726-737.	2.3	2
20	Topic modelling for routine discovery from egocentric photo-streams. Pattern Recognition, 2020, 104, 107330.	5.1	8
21	Uncertainty-aware integration of local and flat classifiers for food recognition. Pattern Recognition Letters, 2020, 136, 237-243.	2.6	7
22	Web-based efficient dual attention networks to detect COVID-19 from X-ray images. Electronics Letters, 2020, 56, 1298-1301.	0.5	5
23	NSST domain CT-MR neurological image fusion using optimised biologically inspired neural network. IET Image Processing, 2020, 14, 4291-4305.	1.4	8
24	Training Convolutional Nets to Detect Calcified Plaque in IVUS Sequences. , 2020, , 141-158.		3
25	Computer-Aided Detection of Intracoronary Stent Location and Extension in Intravascular Ultrasound Sequences. , 2020, , 159-183.		0
26	Behavioural Pattern Discovery from Collections of Egocentric Photo-Streams. Lecture Notes in Computer Science, 2020, , 469-484.	1.0	0
27	Social Relation Recognition in Egocentric Photostreams. , 2019, , .		8
28	Multiple Wavelet Pooling for CNNs. Lecture Notes in Computer Science, 2019, , 671-675.	1.0	6
29	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
30	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
31	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
32	Regularized uncertainty-based multi-task learning model for food analysis. Journal of Visual Communication and Image Representation, 2019, 60, 360-370.	1.7	33
33	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
34	Where and What Am I Eating? Image-Based Food Menu Recognition. Lecture Notes in Computer Science, 2019, , 590-605.	1.0	3
35	Seeing and Hearing Egocentric Actions: How Much Can We Learn?. , 2019, , .		13
36	Assessment of intracoronary stent location and extension in intravascular ultrasound sequences. Medical Physics, 2019, 46, 484-493.	1.6	5

#	ARTICLE	IF	CITATIONS
37	Unsupervised Routine Discovery in Egocentric Photo-Streams. Lecture Notes in Computer Science, 2019, , 576-588.	1.0	5
38	Class-Conditional Data Augmentation Applied to Image Classification. Lecture Notes in Computer Science, 2019, , 182-192.	1.0	3
39	Food Recognition by Integrating Local and Flat Classifiers. Lecture Notes in Computer Science, 2019, , 65-74.	1.0	4
40	Egocentric video description based on temporally-linked sequences. Journal of Visual Communication and Image Representation, 2018, 50, 205-216.	1.7	21
41	Calcified Plaque Detection in IVUS Sequences: Preliminary Results Using Convolutional Nets. Lecture Notes in Computer Science, 2018, , 34-42.	1.0	8
42	Towards social pattern characterization in egocentric photo-streams. Computer Vision and Image Understanding, 2018, 171, 104-117.	3.0	16
43	Batch-based activity recognition from egocentric photo-streams revisited. Pattern Analysis and Applications, 2018, 21, 953-965.	3.1	9
44	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
45	Grab, Pay, and Eat: Semantic Food Detection for Smart Restaurants. IEEE Transactions on Multimedia, 2018, 20, 3266-3275.	5.2	77
46	Towards Egocentric Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 297-305.	1.0	1
47	Deep Learning Features for Wireless Capsule Endoscopy Analysis. Lecture Notes in Computer Science, 2017, , 326-333.	1.0	1
48	Sentiment Recognition in Egocentric Photostreams. Lecture Notes in Computer Science, 2017, , 471-479.	1.0	6
49	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
50	SR-clustering: Semantic regularized clustering for egocentric photo streams segmentation. Computer Vision and Image Understanding, 2017, 155, 55-69.	3.0	35
51	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
52	Clothing and People - A Social Signal Processing Perspective. , 2017, , .		4
53	Semantic Summarization of Egocentric Photo Stream Events. , 2017, , .		10
54	All the people around me: Face discovery in egocentric photo-streams. , 2017, , .		4

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55	Food Ingredients Recognition Through Multi-label Learning. Lecture Notes in Computer Science, 2017, , 394-402.	1.0	26
56	Batch-Based Activity Recognition from Egocentric Photo-Streams. , 2017, , .		5
57	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
58	Recognizing Activities of Daily Living from Egocentric Images. Lecture Notes in Computer Science, 2017, , 87-95.	1.0	12
59	Leveraging Activity Indexing for Egocentric Image Retrieval. Lecture Notes in Computer Science, 2017, , 295-303.	1.0	8
60	Intra-coronary Stent Localization in Intravascular Ultrasound Sequences, A Preliminary Study. Lecture Notes in Computer Science, 2017, , 12-19.	1.0	2
61	Food Recognition Using Fusion of Classifiers Based on CNNs. Lecture Notes in Computer Science, 2017, , 213-224.	1.0	37
62	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
63	Computer-aided detection of intracoronary stent in intravascular ultrasound sequences. Medical Physics, 2016, 43, 5616-5625.	1.6	11
64	With whom do I interact? Detecting social interactions in egocentric photo-streams. , 2016, , .		15
65	Multi-face tracking by extended bag-of-tracklets in egocentric photo-streams. Computer Vision and Image Understanding, 2016, 149, 146-156.	3.0	19
66	Generic feature learning for wireless capsule endoscopy analysis. Computers in Biology and Medicine, 2016, 79, 163-172.	3.9	84
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	Simultaneous food localization and recognition. , 2016, , .		59
69	Visual summary of egocentric photostreams by representative keyframes. , 2015, , .		20
70	An Alternative Technique for Imaging Registration in IVUS Images. , 2015, , .		0
71	Towards social interaction detection in egocentric photo-streams. Proceedings of SPIE, 2015, , .	0.8	4
72	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

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73	Motility bar: A new tool for motility analysis of endoluminal videos. Computers in Biology and Medicine, 2015, 65, 320-330.	3.9	5
74	Meta-Parameter Free Unsupervised Sparse Feature Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1716-1722.	9.7	86
75	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
76	R-Clustering for Egocentric Video Segmentation. Lecture Notes in Computer Science, 2015, , 327-336.	1.0	27
77	Object Discovery Using CNN Features in Egocentric Videos. Lecture Notes in Computer Science, 2015, , 67-74.	1.0	4
78	Intestinal event segmentation for endoluminal video analysis. , 2014, , .		2
79	ECOC-DRF: Discriminative random fields based on error correcting output codes. Pattern Recognition, 2014, 47, 2193-2204.	5.1	4
80	Diaphragm border detection in coronary X-ray angiographies: New method and applications. Computerized Medical Imaging and Graphics, 2014, 38, 296-305.	3.5	9
81	Approximate polytope ensemble for one-class classification. Pattern Recognition, 2014, 47, 854-864.	5.1	40
82	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
83	Editorial note. Computerized Medical Imaging and Graphics, 2014, 38, 69.	3.5	0
84	Standardized evaluation methodology and reference database for evaluating IVUS image segmentation. Computerized Medical Imaging and Graphics, 2014, 38, 70-90.	3.5	105
85	Video Segmentation of Life-Logging Videos. Lecture Notes in Computer Science, 2014, , 1-9.	1.0	4
86	Label Consistent Multiclass Discriminative Dictionary Learning for MRI Segmentation. Lecture Notes in Computer Science, 2014, , 138-147.	1.0	4
87	Adaptable image cuts for motility inspection using WCE. Computerized Medical Imaging and Graphics, 2013, 37, 72-80.	3.5	16
88	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
89	A Supervised Graph-Cut Deformable Model for Brain MRI Segmentation. Lecture Notes in Computational Vision and Biomechanics, 2013, , 237-259.	0.5	0
90	Active labeling application applied to food-related object recognition. , 2013, , .		8

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91	Robust and Accurate Diaphragm Border Detection in Cardiac X-Ray Angiographies. Lecture Notes in Computer Science, 2013, , 225-234.	1.0	2
92	Learning to Detect Stent Struts in Intravascular Ultrasound. Lecture Notes in Computer Science, 2013, , 575-583.	1.0	3
93	Stent Shape Estimation through a Comprehensive Interpretation of Intravascular Ultrasound Images. Lecture Notes in Computer Science, 2013, 16, 345-352.	1.0	2
94	An Application for Efficient Error-Free Labeling of Medical Images. Intelligent Systems Reference Library, 2013, , 1-16.	1.0	0
95	Social Network Extraction and Analysis Based on Multimodal Dyadic Interaction. Sensors, 2012, 12, 1702-1719.	2.1	9
96	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
97	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
98	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
99	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
100	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
101	Graph cuts optimization for multi-limb human segmentation in depth maps. , 2012, , .		36
102	Supervised brain segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. , 2012, , .		6
103	Active labeling: Application to wireless endoscopy analysis. , 2012, , .		3
104	HoliMAB: A holistic approach for Mediaâ€™Adventitia border detection in intravascular ultrasound. Medical Image Analysis, 2012, 16, 1085-1100.	7.0	51
105	Personalization and user verification in wearable systems using biometric walking patterns. Personal and Ubiquitous Computing, 2012, 16, 563-580.	1.9	136
106	Minimal design of error-correcting output codes. Pattern Recognition Letters, 2012, 33, 693-702.	2.6	45
107	Automatic Bifurcation Detection in Coronary IVUS Sequences. IEEE Transactions on Biomedical Engineering, 2012, 59, 1022-1031.	2.5	27
108	Functional gut disorders or disordered gut function? Small bowel dysmotility evidenced by an original technique. Neurogastroenterology and Motility, 2012, 24, 223.	1.6	34

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109	A Rayleigh Mixture Model for IVUS Imaging. , 2012, , 25-47.		6
110	Ultrasound Despeckle Methods. , 2012, , 49-71.		3
111	Automatic Internal Segmentation of Caudate Nucleus for Diagnosis of Attention-Deficit/Hyperactivity Disorder. Lecture Notes in Computer Science, 2012, , 222-229.	1.0	4
112	Automatic Non-rigid Temporal Alignment of IVUS Sequences. Lecture Notes in Computer Science, 2012, 15, 642-650.	1.0	3
113	Coronary Atherosclerotic Plaque Characterization By Intravascular Ultrasound. , 2012, , 177-201.		0
114	Human Relative Position Detection Based on Mutual Occlusion. Lecture Notes in Computer Science, 2012, , 332-339.	1.0	0
115	Circular Blurred Shape Model for Multiclass Symbol Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 497-506.	5.5	32
116	Plaque type, plaque burden, and wall shear stress relation in coronary arteries assessed by x-ray angiography and intravascular ultrasound. , 2011, , .		1
117	Rayleigh Mixture Model for Plaque Characterization in Intravascular Ultrasound. IEEE Transactions on Biomedical Engineering, 2011, 58, 1314-1324.	2.5	66
118	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
119	Online error correcting output codes. Pattern Recognition Letters, 2011, 32, 458-467.	2.6	14
120	Human Activity Recognition from Accelerometer Data Using a Wearable Device. Lecture Notes in Computer Science, 2011, , 289-296.	1.0	212
121	Interactive Labeling of WCE Images. Lecture Notes in Computer Science, 2011, , 143-150.	1.0	5
122	Non-rigid Multi-modal Registration of Coronary Arteries Using SIFTflow. Lecture Notes in Computer Science, 2011, , 159-166.	1.0	10
123	Combining Growcut and Temporal Correlation for IVUS Lumen Segmentation. Lecture Notes in Computer Science, 2011, , 556-563.	1.0	15
124	Approximate Convex Hulls Family for One-Class Classification. Lecture Notes in Computer Science, 2011, , 106-115.	1.0	28
125	Accurate and Robust Fully-Automatic QCA: Method and Numerical Validation. Lecture Notes in Computer Science, 2011, 14, 496-503.	1.0	6
126	On the Design of Low Redundancy Error-Correcting Output Codes. Studies in Computational Intelligence, 2011, , 21-38.	0.7	1



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127	Multi-class Classification in Image Analysis via Error-Correcting Output Codes. Studies in Computational Intelligence, 2011, , 7-29.	0.7	1
128	A Holistic Approach for the Detection of Media-Adventitia Border in IVUS. Lecture Notes in Computer Science, 2011, 14, 411-419.	1.0	2
129	Automatic Detection of Dominance and Expected Interest. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	13
130	Traffic sign recognition system with $\hat{I}^2$ -correction. Machine Vision and Applications, 2010, 21, 99-111.	1.7	16
131	Fusing in-vitro and in-vivo intravascular ultrasound data for plaque characterization. International Journal of Cardiovascular Imaging, 2010, 26, 763-779.	0.7	19
132	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
133	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
134	Re-coding ECOCs without re-training. Pattern Recognition Letters, 2010, 31, 555-562.	2.6	14
135	SRBF: Speckle Reducing Bilateral Filtering. Ultrasound in Medicine and Biology, 2010, 36, 1353-1363.	0.7	85
136	Adding Classes Online in Error Correcting Output Codes Framework. , 2010, , .		1
137	A Meta-Learning Approach to Conditional Random Fields Using Error-Correcting Output Codes. , 2010, , .		4
138	Modelling and analyzing multimodal dyadic interactions using social networks. , 2010, , .		2
139	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
140	Spatio-Temporal GrabCut human segmentation for face and pose recovery. , 2010, , .		21
141	Ultrasonographic plaque characterization using a rayleigh mixture model. , 2010, , .		6
142	Aligning endoluminal scene sequences in wireless capsule endoscopy. , 2010, , .		6
143	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
144	Classification of Coronary Damage in Chronic Chagasic Patients. Studies in Computational Intelligence, 2010, , 461-477.	0.7	0

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145	Circular Blurred Shape Model for symbol spotting in documents. , 2009, , .		7
146	Bilateral enhancers. , 2009, , .		10
147	Visual content layer for scalable object recognition in urban image databases. , 2009, , .		2
148	Multimodal Data Fusion for Intelligent Cardiovascular Diagnosis and Treatment in the Active Vessel Medical Workstation. Journal of Intelligent Systems, 2009, 18, .	1.2	2
149	Fast Rigid Registration of Vascular Structures in IVUS Sequences. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 1006-1011.	3.6	28
150	Approaching Artery Rigid Dynamics in IVUS. IEEE Transactions on Medical Imaging, 2009, 28, 1670-1680.	5.4	20
151	Separability of ternary codes for sparse designs of error-correcting output codes. Pattern Recognition Letters, 2009, 30, 285-297.	2.6	105
152	Blurred Shape Model for binary and grey-level symbol recognition. Pattern Recognition Letters, 2009, 30, 1424-1433.	2.6	71
153	Intravascular Ultrasound Tissue Characterization with Sub-class Error-Correcting Output Codes. Journal of Signal Processing Systems, 2009, 55, 35-47.	1.4	28
154	Modelling of image-catheter motion for 3-D IVUS. Medical Image Analysis, 2009, 13, 91-104.	7.0	24
155	Traffic Sign Recognition Using Evolutionary Adaboost Detection and Forest-ECOC Classification. IEEE Transactions on Intelligent Transportation Systems, 2009, 10, 113-126.	4.7	161
156	Toward Robust Myocardial Blush Grade Estimation in Contrast Angiography. Lecture Notes in Computer Science, 2009, , 249-256.	1.0	2
157	Dominance detection in face-to-face conversations. , 2009, , .		0
158	Multi-modal laughter recognition in video conversations. , 2009, , .		1
159	Automatic Discrimination of Duodenum in Wireless Capsule Video Endoscopy. IFMBE Proceedings, 2009, , 1536-1539.	0.2	7
160	Enhancing In-Vitro IVUS Data for Tissue Characterization. Lecture Notes in Computer Science, 2009, , 241-248.	1.0	4
161	Multi-class Binary Symbol Classification with Circular Blurred Shape Models. Lecture Notes in Computer Science, 2009, , 1005-1014.	1.0	1
162	ECOC Random Fields for Lumen Segmentation in Radial Artery IVUS Sequences. Lecture Notes in Computer Science, 2009, 12, 869-876.	1.0	9

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163	Recoding Error-Correcting Output Codes. Lecture Notes in Computer Science, 2009, , 11-21.	1.0	8
164	Non-parametric distance-based classification techniques and their applications. Pattern Analysis and Applications, 2008, 11, 223-225.	3.1	0
165	An incremental node embedding technique for error correcting output codes. Pattern Recognition, 2008, 41, 713-725.	5.1	59
166	Myocardial Perfusion Characterization From Contrast Angiography Spectral Distribution. IEEE Transactions on Medical Imaging, 2008, 27, 641-649.	5.4	13
167	New Insight Into Intestinal Motor Function via Noninvasive Endoluminal Image Analysis. Gastroenterology, 2008, 135, 1155-1162.	0.6	85
168	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
169	Distance Learning for Similarity Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 451-462.	9.7	67
170	Subclass Problem-Dependent Design for Error-Correcting Output Codes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1041-1054.	9.7	102
171	IVUS tissue characterization with sub-class error-correcting output codes. , 2008, , .		1
172	Error-Correcting output coding for chagasic patients characterization. , 2008, , .		1
173	Separability of ternary Error-Correcting Output Codes. , 2008, , .		5
174	Coronary damage classification of patients with the Chagas disease with Error-Correcting Output Codes. , 2008, , .		2
175	Detection of Complex Salient Regions. Eurasip Journal on Advances in Signal Processing, 2008, 2008, , .	1.0	2
176	Diagnostic System for Intestinal Motility Disfunctions Using Video Capsule Endoscopy. , 2008, , 251-260.		5
177	Robust Image-Based IVUS Pullbacks Gating. Lecture Notes in Computer Science, 2008, 11, 518-525.	1.0	6
178	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
179	Complex Salient Regions for Computer Vision Problems. , 2007, , .		5
180	An interface system based on multimodal principle for cardiological diagnosis assistance. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
181	A refinement model with information granulation focused on difficult to distinguish cases. , 2007, , .		0
182	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
183	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
184	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
185	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
186	Handwritten Symbol Recognition by a Boosted Blurred Shape Model with Error Correction. Lecture Notes in Computer Science, 2007, , 13-21.	1.0	5
187	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
188	Eigenmotion-Based Detection of Intestinal Contractions. Lecture Notes in Computer Science, 2007, , 293-300.	1.0	8
189	A Semi-supervised Learning Method for Motility Disease Diagnostic. , 2007, , 773-782.		2
190	Class-Specific Binary Correlograms for Object Recognition. , 2007, , .		2
191	Alternate Spaces For Model Deformation: Application Of Stop And Go Active Models To Medical Images. , 2007, , 289-324.		0
192	Robust Complex Salient Regions. Lecture Notes in Computer Science, 2007, , 113-121.	1.0	0
193	Multi-class Binary Object Categorization Using Blurred Shape Models. , 2007, , 142-151.		2
194	Statistical strategy for anisotropic adventitia modelling in IVUS. IEEE Transactions on Medical Imaging, 2006, 25, 768-778.	5.4	49
195	Automatic Detection of Intestinal Juices in Wireless Capsule Video Endoscopy. , 2006, , .		48
196	Forest Extension of Error Correcting Output Codes and Boosted Landmarks. , 2006, , .		4
197	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
198	A Machine Learning Framework Using SOMs: Applications in the Intestinal Motility Assessment. Lecture Notes in Computer Science, 2006, , 188-197.	1.0	7

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199	ECOC-ONE: A Novel Coding and Decoding Strategy. , 2006, , .		28
200	ROC curves and video analysis optimization in intestinal capsule endoscopy. Pattern Recognition Letters, 2006, 27, 875-881.	2.6	46
201	Boosting the distance estimation. Pattern Recognition Letters, 2006, 27, 201-209.	2.6	34
202	Inhibition of false landmarks. Pattern Recognition Letters, 2006, 27, 1022-1030.	2.6	0
203	Medical Imaging. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 5-16.	1.7	14
204	Automatic IVUS Segmentation of Atherosclerotic Plaque with Stop & Go Snake. Lecture Notes in Computer Science, 2006, 9, 9-16.	1.0	17
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