Petia I Radeva

List of Publications by Citations

243 papers	3,749 citations	32 h-index	51 g-index
261 ext. papers	4,438 ext. citations	3.4 avg, IF	5.55 L-index

#	Paper	IF	Citations
243	Discriminant ECOC: a heuristic method for application dependent design of error correcting output codes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2006**, 28, 1007-12	13.3	167
242	On the decoding process in ternary error-correcting output codes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2010**, 32, 120-34	13.3	156
241	Human Activity Recognition from Accelerometer Data Using a Wearable Device. *Lecture Notes in Computer Science*, **2011**, 289-296	0.9	151
240	Traffic Sign Recognition Using Evolutionary Adaboost Detection and Forest-ECOC Classification. *IEEE Transactions on Intelligent Transportation Systems*, **2009**, 10, 113-126	6.1	128
239	Personalization and user verification in wearable systems using biometric walking patterns. *Personal and Ubiquitous Computing*, **2012**, 16, 563-580	2.1	99
238	Subclass problem-dependent design for error-correcting output codes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2008**, 30, 1041-54	13.3	83
237	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, 1616-20	15.1	82
236	Standardized evaluation methodology and reference database for evaluating IVUS image segmentation. *Computerized Medical Imaging and Graphics*, **2014**, 38, 70-90	7.6	81
235	Separability of ternary codes for sparse designs of error-correcting output codes. *Pattern Recognition Letters*, **2009**, 30, 285-297	4.7	73
234	New insight into intestinal motor function via noninvasive endoluminal image analysis. *Gastroenterology*, **2008**, 135, 1155-62	13.3	72
233	SRBF: Speckle reducing bilateral filtering. *Ultrasound in Medicine and Biology*, **2010**, 36, 1353-63	3.5	70
232	Deformable B-Solids and Implicit Snakes for 3D Localization and Tracking of SPAMM MRI Data. *Computer Vision and Image Understanding*, **1997**, 66, 163-178	4.3	67
231	Generic feature learning for wireless capsule endoscopy analysis. *Computers in Biology and Medicine* , **2016**, 79, 163-172	7	62
230	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	11.7	62
229	Blurred Shape Model for binary and grey-level symbol recognition. *Pattern Recognition Letters*, **2009**, 30, 1424-1433	4.7	60
228	Rayleigh mixture model for plaque characterization in intravascular ultrasound. *IEEE Transactions on Biomedical Engineering*, **2011**, 58, 1314-24	5	51
227	Meta-Parameter Free Unsupervised Sparse Feature Learning. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2015**, 37, 1716-22	13.3	50

226	Distance learning for similarity estimation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2008**, 30, 451-62	13.3	50
225	An incremental node embedding technique for error correcting output codes. *Pattern Recognition*, **2008**, 41, 713-725	7.7	48
224	. *IEEE Transactions on Multimedia*, **2018**, 20, 3266-3275	6.6	47
223	Predictive (un)distortion model and 3-D reconstruction by biplane snakes. *IEEE Transactions on Medical Imaging*, **2002**, 21, 1188-201	11.7	46
222	HoliMAb: a holistic approach for Media-Adventitia border detection in intravascular ultrasound. *Medical Image Analysis*, **2012**, 16, 1085-100	15.4	45
221	Context-based object-class recognition and retrieval by generalized correlograms. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2007**, 29, 1818-33	13.3	41
220	Vesselness enhancement diffusion. *Pattern Recognition Letters*, **2003**, 24, 3141-3151	4.7	41
219	Accurate coronary centerline extraction, caliber estimation and catheter detection in angiographies. *IEEE Transactions on Information Technology in Biomedicine*, **2012**, 16, 1332-40		40
218	Intestinal motility assessment with video capsule endoscopy: automatic annotation of phasic intestinal contractions. *IEEE Transactions on Medical Imaging*, **2010**, 29, 246-59	11.7	40
217	ROC curves and video analysis optimization in intestinal capsule endoscopy. *Pattern Recognition Letters*, **2006**, 27, 875-881	4.7	40
216	Statistical strategy for anisotropic adventitia modelling in IVUS. *IEEE Transactions on Medical Imaging*, **2006**, 25, 768-78	11.7	39
215	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, 158-72	6.9	38
214	Minimal design of error-correcting output codes. *Pattern Recognition Letters*, **2012**, 33, 693-702	4.7	36
213	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	4.7	34
212	Approximate polytope ensemble for one-class classification. *Pattern Recognition*, **2014**, 47, 854-864	7.7	32
211	Automatic Detection of Intestinal Juices in Wireless Capsule Video Endoscopy **2006**,		32
210	Functional gut disorders or disordered gut function? Small bowel dysmotility evidenced by an original technique. *Neurogastroenterology and Motility*, **2012**, 24, 223-8, e104-5	4	31
209	Simultaneous food localization and recognition **2016**,		31

208	Categorization and segmentation of intestinal content frames for wireless capsule endoscopy. *IEEE Transactions on Information Technology in Biomedicine*, **2012**, 16, 1341-52		30
207	Circular blurred shape model for multiclass symbol recognition. *IEEE Transactions on Systems, Man, and Cybernetics*, **2011**, 41, 497-506		28
206	Boosting the distance estimation. *Pattern Recognition Letters*, **2006**, 27, 201-209	4.7	28
205	SR-clustering: Semantic regularized clustering for egocentric photo streams segmentation. *Computer Vision and Image Understanding*, **2017**, 155, 55-69	4.3	27
204	Classification of functional bowel disorders by objective physiological criteria based on endoluminal image analysis. *American Journal of Physiology - Renal Physiology*, **2015**, 309, G413-9	5.1	26
203	Intravascular Ultrasound Tissue Characterization with Sub-class Error-Correcting Output Codes. *Journal of Signal Processing Systems*, **2009**, 55, 35-47	1.4	26
202	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	7	25
201	Graph cuts optimization for multi-limb human segmentation in depth maps **2012**,		25
200	Approximate Convex Hulls Family for One-Class Classification. *Lecture Notes in Computer Science*, **2011**, 106-115	0.9	25
199	Automatic bifurcation detection in coronary IVUS sequences. *IEEE Transactions on Biomedical Engineering*, **2012**, 59, 1022-31	5	23
198	Fast rigid registration of vascular structures in IVUS sequences. *IEEE Transactions on Information Technology in Biomedicine*, **2009**, 13, 1006-11		22
197	Boosting contextual information in content-based image retrieval **2004**,		22
196	Intravascular Ultrasound Images Vessel Characterization Using AdaBoost. *Lecture Notes in Computer Science*, **2003**, 242-251	0.9	22
195	ECOC-ONE: A Novel Coding and Decoding Strategy **2006**,		21
194	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	4.1	20
193	Food Recognition Using Fusion of Classifiers Based on CNNs. *Lecture Notes in Computer Science*, **2017**, 213-224	0.9	20
192	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	7	19
191	Fusing in-vitro and in-vivo intravascular ultrasound data for plaque characterization. *International Journal of Cardiovascular Imaging*, **2010**, 26, 763-79	2.5	19

190	Experiments with SVM and Stratified Sampling with an Imbalanced Problem: Detection of Intestinal Contractions. *Lecture Notes in Computer Science*, **2005**, 783-791	0.9	19
189	Data preparation for artificial intelligence in medical imaging: A comprehensive guide to open-access platforms and tools. *Physica Medica*, **2021**, 83, 25-37	2.7	19
188	Reliable and Accurate Calcium Volume Measurement in Coronary Artery Using Intravascular Ultrasound Videos. *Journal of Medical Systems*, **2016**, 40, 51	5.1	18
187	Automatic brain caudate nuclei segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. *Computerized Medical Imaging and Graphics*, **2012**, 36, 591-600	7.6	18
186	Using reconstructed IVUS images for coronary plaque classification. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2007**, 2007, 2167-70		18
185	Potential Use of Mobile Phone Applications for Self-Monitoring and Increasing Daily Fruit and Vegetable Consumption: A Systematized Review. *Nutrients*, **2019**, 11,	6.7	17
184	3D catheter path reconstruction from biplane angiograms **1998**,		17
183	R-Clustering for Egocentric Video Segmentation. *Lecture Notes in Computer Science*, **2015**, 327-336	0.9	17
182	Five multiresolution-based calcium volume measurement techniques from coronary IVUS videos: A comparative approach. *Computer Methods and Programs in Biomedicine*, **2016**, 134, 237-58	6.9	17
181	Local Color Analysis for Scene Break Detection Applied to TV Commercials Recognition. *Lecture Notes in Computer Science*, **1999**, 237-244	0.9	17
180	Spatio-Temporal GrabCut human segmentation for face and pose recovery **2010**,		16
179	Modelling of image-catheter motion for 3-D IVUS. *Medical Image Analysis*, **2009**, 13, 91-104	15.4	16
178	CoLe-CNN: Context-learning convolutional neural network with adaptive loss function for lung nodule segmentation. *Computer Methods and Programs in Biomedicine*, **2021**, 198, 105792	6.9	16
177	Towards social pattern characterization in egocentric photo-streams. *Computer Vision and Image Understanding*, **2018**, 171, 104-117	4.3	16
176	Acceptability of a lifelogging wearable camera in older adults with mild cognitive impairment: a mixed-method study. *BMC Geriatrics*, **2019**, 19, 110	4.1	15
175	Regularized uncertainty-based multi-task learning model for food analysis. *Journal of Visual Communication and Image Representation*, **2019**, 60, 360-370	2.7	15
174	TEXTURE SEGMENTATION BY STATISTICAL DEFORMABLE MODELS. *International Journal of Image and Graphics*, **2004**, 04, 433-452	0.5	15
173	Extending anisotropic operators to recover smooth shapes. *Computer Vision and Image Understanding*, **2005**, 99, 110-125	4.3	15

172	In-Vivo IVUS Tissue Classification: A Comparison Between RF Signal Analysis and Reconstructed Images. *Lecture Notes in Computer Science*, **2006**, 137-146	0.9	15
171	Egocentric video description based on temporally-linked sequences. *Journal of Visual Communication and Image Representation*, **2018**, 50, 205-216	2.7	14
170	Multi-face tracking by extended bag-of-tracklets in egocentric photo-streams. *Computer Vision and Image Understanding*, **2016**, 149, 146-156	4.3	14
169	Approaching artery rigid dynamics in IVUS. *IEEE Transactions on Medical Imaging*, **2009**, 28, 1670-80	11.7	14
168	Anisotropic feature extraction from endoluminal images for detection of intestinal contractions. *Lecture Notes in Computer Science*, **2006**, 9, 161-8	0.9	14
167	Food Ingredients Recognition Through Multi-label Learning. *Lecture Notes in Computer Science*, **2017**, 394-402	0.9	13
166	Re-coding ECOCs without re-training. *Pattern Recognition Letters*, **2010**, 31, 555-562	4.7	13
165	Medical Imaging. *International Journal of Computer Assisted Radiology and Surgery*, **2006**, 1, 5-16	3.9	13
164	Adaptable image cuts for motility inspection using WCE. *Computerized Medical Imaging and Graphics*, **2013**, 37, 72-80	7.6	12
163	Visual summary of egocentric photostreams by representative keyframes **2015**,		12
162	Online error correcting output codes. *Pattern Recognition Letters*, **2011**, 32, 458-467	4.7	12
161	Traffic sign recognition system with □correction. *Machine Vision and Applications*, **2010**, 21, 99-111	2.8	12
160	Automatic detection of bioabsorbable coronary stents in IVUS images using a cascade of classifiers. *IEEE Transactions on Information Technology in Biomedicine*, **2010**, 14, 535-7		12
159	Myocardial perfusion characterization from contrast angiography spectral distribution. *IEEE Transactions on Medical Imaging*, **2008**, 27, 641-9	11.7	12
158	Discriminant snakes for 3D reconstruction of anatomical organs. *Medical Image Analysis*, **2003**, 7, 293-310	5.4	12
157	Combining Growcut and Temporal Correlation for IVUS Lumen Segmentation. *Lecture Notes in Computer Science*, **2011**, 556-563	0.9	12
156	Curvature Vector Flow to Assure Convergent Deformable Models for Shape Modelling. *Lecture Notes in Computer Science*, **2003**, 357-372	0.9	11
155	Automatic IVUS segmentation of atherosclerotic plaque with stop & go snake. *Lecture Notes in Computer Science*, **2006**, 9, 9-16	0.9	11

154	Real-time gating of IVUS sequences based on motion blur analysis: method and quantitative validation. *Lecture Notes in Computer Science*, **2010**, 13, 59-67	0.9	10
153	With whom do I interact? Detecting social interactions in egocentric photo-streams **2016**,		10
152	SLSNet: Skin lesion segmentation using a lightweight generative adversarial network. *Expert Systems With Applications*, **2021**, 183, 115433	7.8	10
151	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	7	9
150	Detection of wrinkle frames in endoluminal videos using betweenness centrality measures for images. *IEEE Journal of Biomedical and Health Informatics*, **2014**, 18, 1831-8	7.2	9
149	Automatic Detection of Dominance and Expected Interest. *Eurasip Journal on Advances in Signal Processing*, **2010**, 2010,	1.9	9
148	Fast spatial pattern discovery integrating boosting with constellations of contextual descriptors		9
147	Recognizing Activities of Daily Living from Egocentric Images. *Lecture Notes in Computer Science*, **2017**, 87-95	0.9	9
146	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	0.9	9
145	ECOC random fields for lumen segmentation in radial artery IVUS sequences. *Lecture Notes in Computer Science*, **2009**, 12, 869-76	0.9	9
144	Identification of Intestinal Motility Events of Capsule Endoscopy Video Analysis. *Lecture Notes in Computer Science*, **2005**, 531-537	0.9	9
143	Diaphragm border detection in coronary X-ray angiographies: New method and applications. *Computerized Medical Imaging and Graphics*, **2014**, 38, 296-305	7.6	8
142	Social network extraction and analysis based on multimodal dyadic interaction. *Sensors*, **2012**, 12, 1702-1718	3.8	8
141	Computer-aided detection of intracoronary stent in intravascular ultrasound sequences. *Medical Physics*, **2016**, 43, 5616	4.4	8
140	Decoding of Ternary Error Correcting Output Codes. *Lecture Notes in Computer Science*, **2006**, 753-763	0.9	8
139	Batch-based activity recognition from egocentric photo-streams revisited. *Pattern Analysis and Applications*, **2018**, 21, 953-965	2.3	7
138	Circular Blurred Shape Model for symbol spotting in documents **2009**,		7
137	Bilateral enhancers **2009**,		7

136	Linking Visual Cues and Semantic Terms Under Specific Digital Video Domains. *Journal of Visual Languages and Computing*, **2000**, 11, 253-271		7
135	Non-rigid Multi-modal Registration of Coronary Arteries Using SIFTflow. *Lecture Notes in Computer Science*, **2011**, 159-166	0.9	7
134	Recoding Error-Correcting Output Codes. *Lecture Notes in Computer Science*, **2009**, 11-21	0.9	7
133	Calcified Plaque Detection in IVUS Sequences: Preliminary Results Using Convolutional Nets. *Lecture Notes in Computer Science*, **2018**, 34-42	0.9	7
132	Bounds on the optimal elasticity parameters for a snake. *Lecture Notes in Computer Science*, **1995**, 37-42	0.9	7
131	Topic modelling for routine discovery from egocentric photo-streams. *Pattern Recognition*, **2020**, 104, 107330	7.7	6
130	Automatic non-rigid temporal alignment of intravascular ultrasound sequences: method and quantitative validation. *Ultrasound in Medicine and Biology*, **2013**, 39, 1698-712	3.5	6
129	Semantic Summarization of Egocentric Photo Stream Events **2017**,		6
128	Active labeling application applied to food-related object recognition **2013**,		6
127	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, 7430-45	4.4	6
126	. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2007**, 37, 32-38		6
125	A Machine Learning Framework Using SOMs: Applications in the Intestinal Motility Assessment. *Lecture Notes in Computer Science*, **2006**, 188-197	0.9	6
124	A regularized curvature flow designed for a selective shape restoration. *IEEE Transactions on Image Processing*, **2004**, 13, 1444-58	8.7	6
123	Registration and retrieval of highly elastic bodies using contextual information. *Pattern Recognition Letters*, **2005**, 26, 1720-1731	4.7	6
122	Leveraging Activity Indexing for Egocentric Image Retrieval. *Lecture Notes in Computer Science*, **2017**, 295-303	0.9	6
121	Linear Radial Patterns Characterization for Automatic Detection of Tonic Intestinal Contractions. *Lecture Notes in Computer Science*, **2006**, 178-187	0.9	6
120	Sentiment Recognition in Egocentric Photostreams. *Lecture Notes in Computer Science*, **2017**, 471-479	0.9	5
119	Social Relation Recognition in Egocentric Photostreams **2019**,		5

118	Motility bar: A new tool for motility analysis of endoluminal videos. *Computers in Biology and Medicine*, **2015**, 65, 320-30	7	5
117	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	5
116	Batch-Based Activity Recognition from Egocentric Photo-Streams **2017**,		5
115	Ultrasonographic plaque characterization using a rayleigh mixture model **2010**,		5
114	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		5
113	Fundamentals of Stop and Go active models. *Image and Vision Computing*, **2005**, 23, 681-691	3.7	5
112	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	0.9	5
111	Unsupervised Routine Discovery in Egocentric Photo-Streams. *Lecture Notes in Computer Science*, **2019**, 576-588	0.9	5
110	Adaboost to Classify Plaque Appearance in IVUS Images. *Lecture Notes in Computer Science*, **2004**, 629-636	0.9	5
109	Handwritten Symbol Recognition by a Boosted Blurred Shape Model with Error Correction. *Lecture Notes in Computer Science*, **2007**, 13-21	0.9	5
108	Eigenmotion-Based Detection of Intestinal Contractions. *Lecture Notes in Computer Science*, **2007**, 293-300	0.9	5
107	Diagnostic System for Intestinal Motility Disfunctions Using Video Capsule Endoscopy **2008**, 251-260		5
106	Automatic Discrimination of Duodenum in Wireless Capsule Video Endoscopy. *IFMBE Proceedings*, **2009**, 1536-1539	0.2	5
105	Contextual-Guided Bag-of-Visual-Words Model for Multi-class Object Categorization. *Lecture Notes in Computer Science*, **2009**, 748-756	0.9	5
104	Accurate and robust fully-automatic QCA: method and numerical validation. *Lecture Notes in Computer Science*, **2011**, 14, 496-503	0.9	5
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102	Seeing and Hearing Egocentric Actions: How Much Can We Learn? **2019**,		5
101	Bayesian Classification for Inspection of Industrial Products. *Lecture Notes in Computer Science*, **2002**, 399-407	0.9	5

100	Guidelines for choosing optimal parameters of elasticity for snakes. *Lecture Notes in Computer Science*, **1995**, 106-113	0.9	5
99	A Rayleigh Mixture Model for IVUS Imaging **2012**, 25-47		5
98	Recognizing Food Places in Egocentric Photo-Streams Using Multi-Scale Atrous Convolutional Networks and Self-Attention Mechanism. *IEEE Access*, **2019**, 7, 39069-39082	3.5	4
97	MACNet: Multi-scale Atrous Convolution Networks for Food Places Classification in Egocentric Photo-Streams. *Lecture Notes in Computer Science*, **2019**, 423-433	0.9	4
96	Activities of Daily Living Monitoring via a Wearable Camera: Toward Real-World Applications. *IEEE Access*, **2020**, 8, 77344-77363	3.5	4
95	**2017**,		4
94	ECOC-DRF: Discriminative random fields based on error correcting output codes. *Pattern Recognition*, **2014**, 47, 2193-2204	7.7	4
93	Supervised brain segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder **2012**,		4
92	A Meta-Learning Approach to Conditional Random Fields Using Error-Correcting Output Codes **2010**,		4
91	Shape Restoration via a Regularized Curvature Flow. *Journal of Mathematical Imaging and Vision*, **2004**, 21, 205-223	1.6	4
90	Retrieval of IVUS images using contextual information and elastic matching. *International Journal of Intelligent Systems*, **2005**, 20, 541-559	8.4	4
89	Video Segmentation of Life-Logging Videos. *Lecture Notes in Computer Science*, **2014**, 1-9	0.9	4
88	Label Consistent Multiclass Discriminative Dictionary Learning for MRI Segmentation. *Lecture Notes in Computer Science*, **2014**, 138-147	0.9	4
87	Object Discovery Using CNN Features in Egocentric Videos. *Lecture Notes in Computer Science*, **2015**, 67-74	0.9	4
86	Face-to-Face Social Activity Detection Using Data Collected with a Wearable Device. *Lecture Notes in Computer Science*, **2009**, 56-63	0.9	4
85	Interactive Labeling of WCE Images. *Lecture Notes in Computer Science*, **2011**, 143-150	0.9	4
84	Automatic Internal Segmentation of Caudate Nucleus for Diagnosis of Attention-Deficit/Hyperactivity Disorder. *Lecture Notes in Computer Science*, **2012**, 222-229	0.9	4
83	Uncertainty-aware integration of local and flat classifiers for food recognition. *Pattern Recognition Letters*, **2020**, 136, 237-243	4.7	4

82	NSST domain CT-MR neurological image fusion using optimised biologically inspired neural network. *IET Image Processing*, **2020**, 14, 4291-4305	1.7	4
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80	Assessment of intracoronary stent location and extension in intravascular ultrasound sequences. *Medical Physics*, **2019**, 46, 484-493	4.4	4
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78	Multiple Wavelet Pooling for CNNs. *Lecture Notes in Computer Science*, **2019**, 671-675	0.9	3
77	Aligning endoluminal scene sequences in wireless capsule endoscopy **2010**,		3
76	Human limb segmentation in depth maps based on spatio-temporal Graph-cuts optimization. *Journal of Ambient Intelligence and Smart Environments*, **2012**, 4, 535-546	2.2	3
75	Separability of ternary Error-Correcting Output Codes **2008**,		3
74	Forest Extension of Error Correcting Output Codes and Boosted Landmarks **2006**,		3
73	Suppression of IVUS Image Rotation. A Kinematic Approach. *Lecture Notes in Computer Science*, **2005**, 359-368	0.9	3
72	A Deterministic-Statistic Adventitia Detection in IVUS Images. *Lecture Notes in Computer Science*, **2005**, 65-74	0.9	3
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68	Food Recognition by Integrating Local and Flat Classifiers. *Lecture Notes in Computer Science*, **2019**, 65-74	0.9	3
67	Robust image-based IVUS pullbacks gating. *Lecture Notes in Computer Science*, **2008**, 11, 518-25	0.9	3
66	Enhancing In-Vitro IVUS Data for Tissue Characterization. *Lecture Notes in Computer Science*, **2009**, 241-248	0.9	3
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63	Hierarchical Approach to Classify Food Scenes in Egocentric Photo-Streams. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 866-877	7.2	3
62	CoLe-CNN+: Context learning - Convolutional neural network for COVID-19-Ground-Glass-Opacities detection and segmentation. *Computers in Biology and Medicine*, **2021**, 136, 104689	7	3
61	EigenHistograms: Using Low Dimensional Models of Color Distribution for Real Time Object Recognition. *Lecture Notes in Computer Science*, **1999**, 17-24	0.9	3
60	Clothing and People - A Social Signal Processing Perspective **2017**,		2
59	Towards social interaction detection in egocentric photo-streams **2015**,		2
58	Intestinal event segmentation for endoluminal video analysis **2014**,		2
57	Modelling and analyzing multimodal dyadic interactions using social networks **2010**,		2
56	Multimodal Data Fusion for Intelligent Cardiovascular Diagnosis and Treatment in the Active Vessel Medical Workstation. *Journal of Intelligent Systems*, **2009**, 18,	1.5	2
55	Coronary damage classification of patients with the Chagas disease with Error-Correcting Output Codes **2008**,		2
54	Detection of Complex Salient Regions. *Eurasip Journal on Advances in Signal Processing*, **2008**, 2008,	1.9	2
53	Complex Salient Regions for Computer Vision Problems **2007**,		2
52	Building and registering parameterized 3D models of vessel trees for visualization during intervention **2004**,		2
51	Multi-class Binary Object Categorization Using Blurred Shape Models **2007**, 142-151		2
50	Class-Specific Binary Correlograms for Object Recognition **2007**,		2
49	Internal and External Coronary Vessel Images Registration. *Lecture Notes in Computer Science*, **2002** , 408-418	0.9	2
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47	VIBIKNet: Visual Bidirectional Kernelized Network for Visual Question Answering. *Lecture Notes in Computer Science*, **2017**, 372-380	0.9	2

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45	Quality Enhancement Based on Reinforcement Learning and Feature Weighting for a Critiquing-Based Recommender. *Lecture Notes in Computer Science*, **2009**, 298-312	0.9	2
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37	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	4.7	1
36	Plaque type, plaque burden, and wall shear stress relation in coronary arteries assessed by x-ray angiography and intravascular ultrasound **2011**,		1
35	Adding Classes Online in Error Correcting Output Codes Framework **2010**,		1
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