Tomasz Markiewicz

List of Publications by Year
in descending order

57 papers	**949** citations	759055 **12** h-index	477173 **29** g-index
61 all docs	**61** docs citations	**61** times ranked	**1101** citing authors

#	Article	IF	Citations
1	Support Vector Machine-Based Expert System for Reliable Heartbeat Recognition. IEEE Transactions on Biomedical Engineering, 2004, 51, 582-589.	2.5	420
2	Convolutional neural networks can accurately distinguish four histologic growth patterns of lung adenocarcinoma in digital slides. Scientific Reports, 2019, 9, 1483.	1.6	135
3	Application of Support Vector Machine and Genetic Algorithm for Improved Blood Cell Recognition. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2159-2168.	2.4	78
4	Comparison of the Manual, Semiautomatic, and Automatic Selection and Leveling of Hot Spots in Whole Slide Images for Ki-67 Quantification in Meningiomas. Analytical Cellular Pathology, 2015, 2015, 1-15.	0.7	34
5	New automated image analysis method for the assessment of Ki-67 labeling index in meningiomas.. Folia Histochemica Et Cytobiologica, 2010, 47, 587-92.	0.6	20
6	Using MATLAB software with Tomcat server and Java platform for remote image analysis in pathology. Diagnostic Pathology, 2011, 6, S18.	0.9	19
7	Ensemble of classifiers and wavelet transformation for improved recognition of Fuhrman grading in clear-cell renal carcinoma. Biocybernetics and Biomedical Engineering, 2017, 37, 357-364.	3.3	19
8	A U-Net based framework to quantify glomerulosclerosis in digitized PAS and H&E stained human tissues. Computerized Medical Imaging and Graphics, 2021, 89, 101865.	3.5	18
9	MIAP â€" Web-based platform for the computer analysis of microscopic images to support the pathological diagnosis. Biocybernetics and Biomedical Engineering, 2016, 36, 597-609.	3.3	17
10	Accuracy of a remote quantitative image analysis in the whole slide images. Diagnostic Pathology, 2011, 6, S20.	0.9	13
11	Functional Assessment of Synoptic Pathology Reporting for Ovarian Cancer. Pathobiology, 2016, 83, 70-78.	1.9	13
12	Content-based analysis of Ki-67 stained meningioma specimens for automatic hot-spot selection. Diagnostic Pathology, 2016, 11, 93.	0.9	12
13	White Blood Cell Automatic Counting System Based on Support Vector Machine. Lecture Notes in Computer Science, 2007, , 318-326.	1.0	12
14	Comparative Analysis of Feature Selection Methods for Blood Cell Recognition in Leukemia. Lecture Notes in Computer Science, 2012, , 467-481.	1.0	10
15	Support Vector Machine for Fault Diagnosis in Electrical Circuits. , 2006, , .		9
16	Fusion of FISH image analysis methods of HER2 status determination in breast cancer. Expert Systems With Applications, 2016, 61, 78-85.	4.4	9
17	Automatic Evaluation System of FISH Images in Breast Cancer. Lecture Notes in Computer Science, 2014, , 332-339.	1.0	9
18	NEURAL METHODS OF CALIBRATION OF SENSORS FOR GAS MEASUREMENTS AND AROMA IDENTIFICATION SYSTEM. Journal of Sensory Studies, 2008, 23, 533-557.	0.8	7

#	Article	IF	Citations
19	Hot-spot selection and evaluation methods for whole slice images of meningiomas and oligodendrogliomas. , 2015, 2015, 6252-6.		7
20	Image processing for accurate cell recognition and count on histologic slides. , 2006, 28, 281-91.		7
21	The influence of the microscope lamp filament colour temperature on the process of digital images of histological slides acquisition standardization. Diagnostic Pathology, 2014, 9, S13.	0.9	6
22	Novel segmentation algorithm for identification of cell membrane staining in HER2 images. Pattern Recognition Letters, 2016, 84, 225-231.	2.6	6
23	Hourglass Shapes in Rank Grey-Level Hit-or-miss Transform for Membrane Segmentation in HER2/neu Images. Lecture Notes in Computer Science, 2015, , 3-14.	1.0	6
24	Comparative analysis of methods for accurate recognition of cells through nuclei staining of Ki-67 in neuroblastoma and estrogen/progesterone status staining in breast cancer. , 2009, 31, 49-62.		6
25	Support Vector Machine for Recognition of White Blood Cells of Leukaemia. , 2007, , 93-122.		5
26	Automatic cell recognition in immunohistochemical gastritis stains using sequential thresholding and SVM network. , 2008, , .		4
27	Computerized System for Quantitative Assessment of Atherosclerotic Plaques in the Femoral and Iliac Arteries Visualized by Multislice Computed Tomography. IEEE Transactions on Biomedical Engineering, 2015, 62, 1490-1502.	2.5	4
28	Automatic quantification of vessels in hemorrhoids whole slide images. , 2016, , .		4
29	Dots Detection in HER2 FISH Images Based on Alternative Color Spaces. Procedia Computer Science, 2016, 90, 132-137.	1.2	4
30	Cell segmentation in desmoglein-3 stained specimen microscopic images using GVF and watershed algorithm. , 2016, , .		4
31	Image processing methods for the structural detection and gradation of placental villi. Computers in Biology and Medicine, 2018, 100, 259-269.	3.9	4
32	Computer system for cell counting in selected brain tumors at Ki-67 immunohistochemical staining. , 2010, 32, 323-32.		4
33	Recognition of atherosclerotic plaques and their extended dimensioning with computerized tomography angiography imaging. International Journal of Applied Mathematics and Computer Science, 2014, 24, 33-47.	1.5	3
34	Texture and Mathematical Morphology for Hot-Spot Detection in Whole Slide Images of Meningiomas and Oligodendrogliomas. Lecture Notes in Computer Science, 2015, , 1-12.	1.0	3
35	Textural and deep learning methods in recognition of renal cancer types based on CT images. , 2020, , .		3
36	Kidney Boundary Detection Algorithm Based on Extended Maxima Transformations for Computed Tomography Diagnosis. Applied Sciences (Switzerland), 2020, 10, 7512.	1.3	3

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37	Nucleolus detection in the Fuhrman grading system for application in CCRC. Biomedizinische Technik, 2014, 59, 79-86.	0.9	2
38	Local Binary Patterns and Unser Texture Descriptions to the Fold Detection on the Whole Slide Images of Meningiomas and Oligodendrogliomas. IFMBE Proceedings, 2016, , 388-392.	0.2	2
39	Color standardization for the immunohistochemically stained tissue section images. , 2016, , .		2
40	Automatic recognition of the kidney in CT images. , 2018, , .		1
41	Contextual Classification of Tumor Growth Patterns in Digital Histology Slides. Advances in Intelligent Systems and Computing, 2019, , 13-25.	0.5	1
42	Automated recognition and counting of the immunoreactive neuroendocrine cells in chronic gastritis (the preliminary study).. Folia Histochemica Et Cytobiologica, 2010, 47, 685-90.	0.6	1
43	A Deep Learning Pipeline to Delineate Proliferative Areas of Intracranial Tumors in Digital Slides. Communications in Computer and Information Science, 2017, , 448-458.	0.4	1
44	HER2/CEN17 biomarkers detection in CISH images. , 2016, , .		0
45	Automatic cell segmentation using L2 distance function. , 2017, , .		0
46	Novel algorithm for estimation of prognostic Ki-67 factor in selected view fields in breast cancer microscopic images. , 2017, , .		0
47	Automatic Detection of Cells in FISH Images Using Map of Colors and Three-Track Segmentation. Advances in Intelligent Systems and Computing, 2018, , 131-140.	0.5	0
48	Active Contour Method for Segmentation of the Glands in Colon Histology Images. , 2018, , .		0
49	Recognition of Heartbeats Using Support Vector Machine Networks â€" A Comparative Study. Lecture Notes in Computer Science, 2005, , 637-642.	1.0	0
50	Gradients and Active Contour Models for Localization of Cell Membrane in HER2/neu Images. Lecture Notes in Computer Science, 2015, , 432-444.	1.0	0
51	Automatic ROI selection in virtual slide images for assessment of pathomorphological diagnostic. Przeglad Elektrotechniczny, 2015, 1, 3-6.	0.1	0
52	A sequential extended regional maxima transformation with contrast-based criterion for image segmentation. Przeglad Elektrotechniczny, 2015, 1, 15-17.	0.1	0
53	Automatic Method for Vessel Detection in Virtual Slide Images of Placental Villi. Advances in Intelligent Systems and Computing, 2017, , 175-181.	0.5	0
54	Decision Based Algorithm for Gene Markers Detection in the ISH Images. Advances in Intelligent Systems and Computing, 2017, , 159-165.	0.5	0

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55	An Automatic Quantitative Evaluation ofÂLadder Pattern Presented in Intercellular Spaces inÂHistopathological Images of Reflux Disease Specimen Stained with Desmoglein-3 Antibody. Advances in Intelligent Systems and Computing, 2018, , 110-119.	0.5	0
56	Combining texture analysis and deep learning in renal tumour classification task. , 2020, , .		0
57	Three-Dimensional Volumetric Renal Reconstruction Based on Geometrical Coefficients. Studies in Health Technology and Informatics, 2020, 270, 458-462.	0.2	0