

Nasir M Rajpoot

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

6,630
citations

32
h-index

79
g-index

171
ext. papers

9,241
ext. citations

5.9
avg, IF

6.1
L-index

#	Paper	IF	Citations
155	Semantic annotation for computational pathology: multidisciplinary experience and best practice recommendations.. <i>Journal of Pathology: Clinical Research</i> , 2022 ,	5.3	2
154	Feasibility of Training Community Health Workers in the Detection of Oral Cancer.. <i>JAMA Network Open</i> , 2022 , 5, e2144022	10.4	1
153	Stain-Robust Mitotic Figure Detection For the Mitosis Domain Generalization Challenge. <i>Lecture Notes in Computer Science</i> , 2022 , 48-52	0.9	1
152	Lessons from a breast cell annotation competition series for school pupils.. <i>Scientific Reports</i> , 2022 , 12, 7792	4.9	
151	Nucleus Classification in Histology Images Using Message Passing Network. <i>Medical Image Analysis</i> , 2022 , 102480	15.4	1
150	SlideGraph+: Whole Slide Image Level Graphs to Predict HER2 Status in Breast Cancer. <i>Medical Image Analysis</i> , 2022 , 102486	15.4	0
149	Generative models for synthesis of colorectal cancer histology images 2022 , 491-516		
148	Digital pathology and artificial intelligence will be key to supporting clinical and academic cellular pathology through COVID-19 and future crises: the PathLAKE consortium perspective. <i>Journal of Clinical Pathology</i> , 2021 , 74, 443-447	3.9	28
147	Robust Interactive Semantic Segmentation of Pathology Images with Minimal User Input 2021 ,		1
146	Simultaneous Nuclear Instance and Layer Segmentation in Oral Epithelial Dysplasia 2021 ,		2
145	Lizard: A Large-Scale Dataset for Colonic Nuclear Instance Segmentation and Classification 2021 ,		9
144	SAFRON: Stitching Across the Frontier Network for Generating Colorectal Cancer Histology Images.. <i>Medical Image Analysis</i> , 2021 , 77, 102337	15.4	2
143	A digital score of tumour-associated stroma infiltrating lymphocytes predicts survival in head and neck squamous cell carcinoma. <i>Journal of Pathology</i> , 2021 , 256, 174	9.4	3
142	Development and validation of a weakly supervised deep learning framework to predict the status of molecular pathways and key mutations in colorectal cancer from routine histology images: a retrospective study. <i>The Lancet Digital Health</i> , 2021 , 3, e763-e772	14.4	14
141	Diagnostic concordance and discordance in digital pathology: a systematic review and meta-analysis. <i>Journal of Clinical Pathology</i> , 2021 , 74, 448-455	3.9	18
140	Ethical issues in computational pathology. <i>Journal of Medical Ethics</i> , 2021 ,	2.5	5
139	Artificial Intelligence-based methods in head and neck cancer diagnosis: an overview. <i>British Journal of Cancer</i> , 2021 , 124, 1934-1940	8.7	13

138	The International Collaboration for Cancer Classification and Research. <i>International Journal of Cancer</i> , 2021 , 148, 560-571	7.5	9
137	. <i>IEEE Access</i> , 2021 , 9, 12322-12331	3.5	2
136	MoNuSAC2020: A Multi-Organ Nuclei Segmentation and Classification Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3413-3423	11.7	13
135	Deep learning based digital cell profiles for risk stratification of urine cytology images. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021 , 99, 732-742	4.6	2
134	Spatially Constrained Context-Aware Hierarchical Deep Correlation Filters for Nucleus Detection in Histology Images. <i>Medical Image Analysis</i> , 2021 , 72, 102104	15.4	7
133	Self-Path: Self-Supervision for Classification of Pathology Images With Limited Annotations. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2845-2856	11.7	23
132	Cells are Actors: Social Network Analysis with Classical ML for SOTA Histology Image Classification. <i>Lecture Notes in Computer Science</i> , 2021 , 288-298	0.9	1
131	All You Need is Color: Image Based Spatial Gene Expression Prediction Using Neural Stain Learning. <i>Communications in Computer and Information Science</i> , 2021 , 437-450	0.3	0
130	L1-Regularized Neural Ranking for Risk Stratification and Its Application to Prediction of Time to Distant Metastasis in Luminal Node Negative Chemotherapy Naïve Breast Cancer Patients. <i>Communications in Computer and Information Science</i> , 2021 , 390-400	0.3	
129	Visual histological assessment of morphological features reflects the underlying molecular profile in invasive breast cancer: a morphomolecular study. <i>Histopathology</i> , 2020 , 77, 631-645	7.3	4
128	Context-Aware Convolutional Neural Network for Grading of Colorectal Cancer Histology Images. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2395-2405	11.7	37
127	Dense Steerable Filter CNNs for Exploiting Rotational Symmetry in Histology Images. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 4124-4136	11.7	13
126	HydraMix-Net: A Deep Multi-task Semi-supervised Learning Approach for Cell Detection and Classification. <i>Lecture Notes in Computer Science</i> , 2020 , 164-171	0.9	1
125	Train Small, Generate Big: Synthesis of Colorectal Cancer Histology Images. <i>Lecture Notes in Computer Science</i> , 2020 , 164-173	0.9	
124	A Multi-Organ Nucleus Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 1380-1391	11.7	71
123	Classification of Well Log Data Using Vanishing Component Analysis. <i>Pure and Applied Geophysics</i> , 2020 , 177, 2719-2737	2.2	
122	NuClick: A deep learning framework for interactive segmentation of microscopic images. <i>Medical Image Analysis</i> , 2020 , 65, 101771	15.4	26
121	Use of artificial intelligence in diagnosis of head and neck precancerous and cancerous lesions: A systematic review. <i>Oral Oncology</i> , 2020 , 110, 104885	4.4	25

120	Capturing Cellular Topology in Multi-Gigapixel Pathology Images 2020 ,		8
119	Multiplex Cellular Communities in Multi-Gigapixel Colorectal Cancer Histology Images for Tissue Phenotyping. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	13
118	Cellular community detection for tissue phenotyping in colorectal cancer histology images. <i>Medical Image Analysis</i> , 2020 , 63, 101696	15.4	34
117	A Novel Digital Score for Abundance of Tumour Infiltrating Lymphocytes Predicts Disease Free Survival in Oral Squamous Cell Carcinoma. <i>Scientific Reports</i> , 2019 , 9, 13341	4.9	52
116	Hover-Net: Simultaneous segmentation and classification of nuclei in multi-tissue histology images. <i>Medical Image Analysis</i> , 2019 , 58, 101563	15.4	158
115	Artificial intelligence in digital pathology: a roadmap to routine use in clinical practice. <i>Journal of Pathology</i> , 2019 , 249, 143-150	9.4	82
114	Multi-person Head Segmentation in Low Resolution Crowd Scenes Using Convolutional Encoder-Decoder Framework. <i>Communications in Computer and Information Science</i> , 2019 , 82-92	0.3	2
113	Fast and accurate tumor segmentation of histology images using persistent homology and deep convolutional features. <i>Medical Image Analysis</i> , 2019 , 55, 1-14	15.4	68
112	Methods for Segmentation and Classification of Digital Microscopy Tissue Images. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 53	5.8	74
111	Learning Where to See: A Novel Attention Model for Automated Immunohistochemical Scoring. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2620-2631	11.7	25
110	Deep Learning With Sampling in Colon Cancer Histology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 52	5.8	33
109	Predicting breast tumor proliferation from whole-slide images: The TUPAC16 challenge. <i>Medical Image Analysis</i> , 2019 , 54, 111-121	15.4	109
108	The use of digital pathology and image analysis in clinical trials. <i>Journal of Pathology: Clinical Research</i> , 2019 , 5, 81-90	5.3	45
107	Digital Tumor-Collagen Proximity Signature Predicts Survival in Diffuse Large B-Cell Lymphoma. <i>Lecture Notes in Computer Science</i> , 2019 , 163-171	0.9	3
106	PanNuke: An Open Pan-Cancer Histology Dataset for Nuclei Instance Segmentation and Classification. <i>Lecture Notes in Computer Science</i> , 2019 , 11-19	0.9	30
105	Rota-Net: Rotation Equivariant Network for Simultaneous Gland and Lumen Segmentation in Colon Histology Images. <i>Lecture Notes in Computer Science</i> , 2019 , 109-116	0.9	6
104	Nuclear Instance Segmentation Using a Proposal-Free Spatially Aware Deep Learning Framework. <i>Lecture Notes in Computer Science</i> , 2019 , 622-630	0.9	6
103	CGC-Net: Cell Graph Convolutional Network for Grading of Colorectal Cancer Histology Images 2019 ,		29

102	Urinary Metabolomic Markers of Protein Glycation, Oxidation, and Nitration in Early-Stage Decline in Metabolic, Vascular, and Renal Health. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 4851323	6.7	10
101	Micro-Net: A unified model for segmentation of various objects in microscopy images. <i>Medical Image Analysis</i> , 2019 , 52, 160-173	15.4	69
100	MILD-Net: Minimal information loss dilated network for gland instance segmentation in colon histology images. <i>Medical Image Analysis</i> , 2019 , 52, 199-211	15.4	100
99	Simultaneous Cell Detection and Classification in Bone Marrow Histology Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1469-1476	7.2	20
98	Fast ScanNet: Fast and Dense Analysis of Multi-Gigapixel Whole-Slide Images for Cancer Metastasis Detection. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 1948-1958	11.7	38
97	An information fusion framework for person localization via body pose in spectator crowds. <i>Information Fusion</i> , 2019 , 51, 178-188	16.7	5
96	Context-Aware Learning Using Transferable Features for Classification of Breast Cancer Histology Images. <i>Lecture Notes in Computer Science</i> , 2018 , 788-795	0.9	24
95	Classification of lung cancer histology images using patch-level summary statistics 2018 ,		4
94	A bottom-up approach for tumour differentiation in whole slide images of lung adenocarcinoma 2018 ,		6
93	Nuclei Detection Using Mixture Density Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 241-248	0.9	7
92	Leveraging Unlabeled Whole-Slide-Images for Mitosis Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 69-77	0.9	7
91	Composition Loss for Counting, Density Map Estimation and Localization in Dense Crowds. <i>Lecture Notes in Computer Science</i> , 2018 , 544-559	0.9	166
90	A Multi-resolution Deep Learning Framework for Lung Adenocarcinoma Growth Pattern Classification. <i>Communications in Computer and Information Science</i> , 2018 , 3-11	0.3	7
89	HER2 challenge contest: a detailed assessment of automated HER2 scoring algorithms in whole slide images of breast cancer tissues. <i>Histopathology</i> , 2018 , 72, 227-238	7.3	51
88	Why rankings of biomedical image analysis competitions should be interpreted with care. <i>Nature Communications</i> , 2018 , 9, 5217	17.4	112
87	Significance of Hyperparameter Optimization for Metastasis Detection in Breast Histology Images. <i>Lecture Notes in Computer Science</i> , 2018 , 139-147	0.9	2
86	Cellular Community Detection for Tissue Phenotyping in Histology Images. <i>Lecture Notes in Computer Science</i> , 2018 , 120-129	0.9	7
85	Deep Autoencoder Features for Registration of Histology Images. <i>Communications in Computer and Information Science</i> , 2018 , 371-378	0.3	1

84	Novel digital signatures of tissue phenotypes for predicting distant metastasis in colorectal cancer. <i>Scientific Reports</i> , 2018 , 8, 13692	4.9	20
83	Multi-resolution cell orientation congruence descriptors for epithelium segmentation in endometrial histology images. <i>Medical Image Analysis</i> , 2017 , 37, 91-100	15.4	9
82	Dual-Channel Active Contour Model for Megakaryocytic Cell Segmentation in Bone Marrow Trepine Histology Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 2913-2923	5	25
81	MIMO-Net: A multi-input multi-output convolutional neural network for cell segmentation in fluorescence microscopy images 2017 ,		19
80	Hybrid deep autoencoder with Curvature Gaussian for detection of various types of cells in bone marrow trephine biopsy images 2017 ,		10
79	Simultaneous automatic scoring and co-registration of hormone receptors in tumor areas in whole slide images of breast cancer tissue slides. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017 , 91, 585-594	4.6	3
78	Hyper-Stain Inspector: A Framework for Robust Registration and Localised Co-Expression Analysis of Multiple Whole-Slide Images of Serial Histology Sections. <i>Scientific Reports</i> , 2017 , 7, 5641	4.9	12
77	Conceptual data sampling for breast cancer histology image classification. <i>Computers in Biology and Medicine</i> , 2017 , 89, 59-67	7	9
76	Glandular Morphometrics for Objective Grading of Colorectal Adenocarcinoma Histology Images. <i>Scientific Reports</i> , 2017 , 7, 16852	4.9	46
75	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 318, 2199-2210	27.4	1165
74	Gland segmentation in colon histology images: The glas challenge contest. <i>Medical Image Analysis</i> , 2017 , 35, 489-502	15.4	263
73	Using Geodesic Space Density Gradients for Network Community Detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 921-935	4.2	24
72	Stain Deconvolution Using Statistical Analysis of Multi-Resolution Stain Colour Representation. <i>PLoS ONE</i> , 2017 , 12, e0169875	3.7	41
71	Glyoxalase 1 copy number variation in patients with well differentiated gastro-entero-pancreatic neuroendocrine tumours (GEP-NET). <i>Oncotarget</i> , 2017 , 8, 76961-76973	3.3	4
70	Tumor Segmentation in Whole Slide Images Using Persistent Homology and Deep Convolutional Features. <i>Communications in Computer and Information Science</i> , 2017 , 320-329	0.3	3
69	MIMONet: Gland Segmentation Using Multi-Input-Multi-Output Convolutional Neural Network. <i>Communications in Computer and Information Science</i> , 2017 , 698-706	0.3	5
68	Simultaneous Cell Detection and Classification with an Asymmetric Deep Autoencoder in Bone Marrow Histology Images. <i>Communications in Computer and Information Science</i> , 2017 , 829-838	0.3	1
67	Correlation Filters for Detection of Cellular Nuclei in Histopathology Images. <i>Journal of Medical Systems</i> , 2017 , 42, 7	5.1	2

66	Handcrafted features with convolutional neural networks for detection of tumor cells in histology images 2016 ,		20
65	Robust normalization protocols for multiplexed fluorescence bioimage analysis. <i>BioData Mining</i> , 2016 , 9, 11	4.3	7
64	Locality Sensitive Deep Learning for Detection and Classification of Nuclei in Routine Colon Cancer Histology Images. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1196-1206	11.7	631
63	A model of the spatial tumour heterogeneity in colorectal adenocarcinoma tissue. <i>BMC Bioinformatics</i> , 2016 , 17, 255	3.6	12
62	Subcellular protein expression models for microsatellite instability in colorectal adenocarcinoma tissue images. <i>BMC Bioinformatics</i> , 2016 , 17, 430	3.6	
61	Stain deconvolution of histology images via independent component analysis in the wavelet domain 2016 ,		8
60	How divided is a cell? Eigenphase nuclei for classification of mitotic phase in cancer histology images 2016 ,		1
59	Persistent Homology for Fast Tumor Segmentation in Whole Slide Histology Images. <i>Procedia Computer Science</i> , 2016 , 90, 119-124	1.6	29
58	Validation of digital pathology imaging for primary histopathological diagnosis. <i>Histopathology</i> , 2016 , 68, 1063-72	7.3	132
57	A Stochastic Polygons Model for Glandular Structures in Colon Histology Images. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 2366-78	11.7	110
56	A Global Covariance Descriptor for Nuclear Atypia Scoring in Breast Histopathology Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 1637-47	7.2	28
55	Cell words: modelling the visual appearance of cells in histopathology images. <i>Computerized Medical Imaging and Graphics</i> , 2015 , 42, 16-24	7.6	19
54	Localisation of luminal epithelium edge in digital histopathology images of IHC stained slides of endometrial biopsies. <i>Computerized Medical Imaging and Graphics</i> , 2015 , 42, 56-64	7.6	4
53	A novel texture descriptor for detection of glandular structures in colon histology images 2015 ,		10
52	Registration of thermal and visible light images of diseased plants using silhouette extraction in the wavelet domain. <i>Pattern Recognition</i> , 2015 , 48, 2119-2128	7.7	40
51	A model of the spatial microenvironment of the colonic crypt 2015 ,		4
50	A random polygons model of glandular structures in colon histology images 2015 ,		1
49	Assessment of algorithms for mitosis detection in breast cancer histopathology images. <i>Medical Image Analysis</i> , 2015 , 20, 237-48	15.4	245

48	Automatic detection of diseased tomato plants using thermal and stereo visible light images. <i>PLoS ONE</i> , 2015 , 10, e0123262	3.7	81
47	Multi-class stain separation using independent component analysis 2015 ,		7
46	Anisotropic tubular filtering for automatic detection of acid-fast bacilli in Ziehl-Neelsen stained sputum smear samples 2015 ,		1
45	A circumscribing active contour model for delineation of nuclei and membranes of megakaryocytes in bone marrow trephine biopsy images 2015 ,		1
44	A Spatially Constrained Deep Learning Framework for Detection of Epithelial Tumor Nuclei in Cancer Histology Images. <i>Lecture Notes in Computer Science</i> , 2015 , 154-162	0.9	11
43	Functional Connectivity Alterations in Epilepsy from Resting-State Functional MRI. <i>PLoS ONE</i> , 2015 , 10, e0134944	3.7	23
42	DiSWOP: a novel measure for cell-level protein network analysis in localized proteomics image data. <i>Bioinformatics</i> , 2014 , 30, 420-7	7.2	7
41	A novel system for scoring of hormone receptors in breast cancer histopathology slides 2014 ,		10
40	A nonlinear mapping approach to stain normalization in digital histopathology images using image-specific color deconvolution. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 1729-38	5	316
39	A fast method for approximate registration of whole-slide images of serial sections using local curvature 2014 ,		3
38	Automatic detection of regions in spinach canopies responding to soil moisture deficit using combined visible and thermal imagery. <i>PLoS ONE</i> , 2014 , 9, e97612	3.7	27
37	On generating cell exemplars for detection of mitotic cells in breast cancer histopathology images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 3370-3	0.9	5
36	Cell phenotyping in multi-tag fluorescent bioimages. <i>Neurocomputing</i> , 2014 , 134, 254-261	5.4	3
35	Geodesic Geometric Mean of Regional Covariance Descriptors as an Image-Level Descriptor for Nuclear Atypia Grading in Breast Histology Images. <i>Lecture Notes in Computer Science</i> , 2014 , 101-108	0.9	6
34	HyMaP: A hybrid magnitude-phase approach to unsupervised segmentation of tumor areas in breast cancer histology images. <i>Journal of Pathology Informatics</i> , 2013 , 4, S1	4.4	27
33	A gamma-gaussian mixture model for detection of mitotic cells in breast cancer histopathology images. <i>Journal of Pathology Informatics</i> , 2013 , 4, 11	4.4	38
32	A novel framework for exploratory analysis of highly variable morphology of migrating epithelial cells. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3463-6	0.9	
31	A connectivity difference measure for identification of functional neuroimaging markers for epilepsy 2013 ,		2

30	Bayesian hierarchical clustering for studying cancer gene expression data with unknown statistics. <i>PLoS ONE</i> , 2013 , 8, e75748	3.7	9
29	A multiresolution framework for local similarity based image denoising. <i>Pattern Recognition</i> , 2012 , 45, 2938-2951	7.7	23
28	Toponome imaging system: multiplex biomarkers in oncology. <i>Trends in Molecular Medicine</i> , 2012 , 18, 723-31	11.5	8
27	RAMTaB: robust alignment of multi-tag bioimages. <i>PLoS ONE</i> , 2012 , 7, e30894	3.7	14
26	Spatiotemporal maps of CaMKII in dendritic spines. <i>Journal of Computational Neuroscience</i> , 2012 , 33, 123-39	1.4	16
25	A Novel Paradigm for Mining Cell Phenotypes in Multi-tag Bioimages Using a Locality Preserving Nonlinear Embedding. <i>Lecture Notes in Computer Science</i> , 2012 , 575-583	0.9	3
24	Automated Segmentation and Tracking of Dynamic Focal Adhesions in Time-Lapse Fluorescence Microscopy. <i>Lecture Notes in Computer Science</i> , 2012 , 648-655	0.9	
23	Quantification of cell infection caused by <i>Listeria monocytogenes</i> invasion. <i>Journal of Biotechnology</i> , 2011 , 154, 76-83	3.7	3
22	Hybrid diversification operator-based evolutionary approach towards tomographic image reconstruction. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1977-90	8.7	5
21	BioIMAX: a Web 2.0 approach for easy exploratory and collaborative access to multivariate bioimage data. <i>BMC Bioinformatics</i> , 2011 , 12, 297	3.6	7
20	Local isotropic phase symmetry measure for detection of beta cells and lymphocytes. <i>Journal of Pathology Informatics</i> , 2011 , 2, S2	4.4	38
19	Pattern Recognition in Histopathological Images: An ICPR 2010 Contest. <i>Lecture Notes in Computer Science</i> , 2010 , 226-234	0.9	11
18	Multilateral filtering: A novel framework for generic similarity-based image denoising 2009 ,		7
17	Histopathological image analysis: a review. <i>IEEE Reviews in Biomedical Engineering</i> , 2009 , 2, 147-71	6.4	1061
16	Texture based classification of hyperspectral colon biopsy samples using CLBP 2009 ,		36
15	VillageFinder: Segmentation of Nucleated Villages in Satellite Imagery 2009 ,		6
14	Estimation of Dense, Non-rigid Motion Fields from a Multi-camera Array Using a Hierarchical Mixture Model. <i>Lecture Notes in Computer Science</i> , 2008 , 11-21	0.9	
13	Flexible synapse detection in fluorescence micrographs by modeling human expert grading 2008 ,		5

12	Discrete Wavelet Diffusion for Image Denoising. <i>Lecture Notes in Computer Science</i> , 2008 , 20-28	0.9	7
11	Adaptive discriminant wavelet packet transform and local binary patterns for meningioma subtype classification. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 196-204	0.9	20
10	Classification of potential nuclei in prostate histology images using shape manifold learning 2007 ,		2
9	Surface Estimation and Tracking using Sequential MCMC Methods for Video Based Rendering 2007 ,		1
8	Video Based Rendering using Surfaces Patches 2007 ,		2
7	Directional Wavelet Analysis with Fourier-Type Bases for Image Processing 2006 , 123-142		1
6	Local discriminant wavelet packet basis for texture classification 2003 , 5207, 774		13
5	Adaptive wavelet packet basis selection for zerotree image coding. <i>IEEE Transactions on Image Processing</i> , 2003 , 12, 1460-72	8.7	29
4	The Effect of Flexible Parsing for Dynamic Dictionary-Based Data Compression. <i>Journal of Experimental Algorithmics</i> , 2001 , 6, 10	1.1	2
3	Improving COVID-19 Testing Efficiency using Guided Agglomerative Sampling		2
2	Novel deep learning algorithm predicts the status of molecular pathways and key mutations in colorectal cancer from routine histology images		7
1	TIAToolbox: An End-to-End Toolbox for Advanced Tissue Image Analytics		2