

Sameer K Antani

List of Publications by Year in descending order

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Version: 2024-02-01

315
papers

8,518
citations

70961

41
h-index

62479

80
g-index

323
all docs

323
docs citations

323
times ranked

6007
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparing a collection of radiology examinations for distribution and retrieval. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 304-310.	2.2	421
2	Lung Segmentation in Chest Radiographs Using Anatomical Atlases With Nonrigid Registration. IEEE Transactions on Medical Imaging, 2014, 33, 577-590.	5.4	418
3	Automatic Tuberculosis Screening Using Chest Radiographs. IEEE Transactions on Medical Imaging, 2014, 33, 233-245.	5.4	403
4	Two public chest X-ray datasets for computer-aided screening of pulmonary diseases. Quantitative Imaging in Medicine and Surgery, 2014, 4, 475-7.	1.1	370
5	Pre-trained convolutional neural networks as feature extractors toward improved malaria parasite detection in thin blood smear images. PeerJ, 2018, 6, e4568.	0.9	298
6	Histology image analysis for carcinoma detection and grading. Computer Methods and Programs in Biomedicine, 2012, 107, 538-556.	2.6	260
7	A survey on the use of pattern recognition methods for abstraction, indexing and retrieval of images and video. Pattern Recognition, 2002, 35, 945-965.	5.1	253
8	An Observational Study of Deep Learning and Automated Evaluation of Cervical Images for Cancer Screening. Journal of the National Cancer Institute, 2019, 111, 923-932.	3.0	249
9	Iteratively Pruned Deep Learning Ensembles for COVID-19 Detection in Chest X-Rays. IEEE Access, 2020, 8, 115041-115050.	2.6	248
10	Visualization and Interpretation of Convolutional Neural Network Predictions in Detecting Pneumonia in Pediatric Chest Radiographs. Applied Sciences (Switzerland), 2018, 8, 1715.	1.3	191
11	Automated Chest X-Ray Screening: Can Lung Region Symmetry Help Detect Pulmonary Abnormalities?. IEEE Transactions on Medical Imaging, 2018, 37, 1168-1177.	5.4	124
12	The Accuracy of Colposcopic Grading for Detection of High-Grade Cervical Intraepithelial Neoplasia. Journal of Lower Genital Tract Disease, 2009, 13, 137-144.	0.9	119
13	How far have we come? Artificial intelligence for chest radiograph interpretation. Clinical Radiology, 2019, 74, 338-345.	0.5	119
14	Deep Learning for Smartphone-Based Malaria Parasite Detection in Thick Blood Smears. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1427-1438.	3.9	117
15	Feature Selection for Automatic Tuberculosis Screening in Frontal Chest Radiographs. Journal of Medical Systems, 2018, 42, 146.	2.2	116
16	A Learning-Based Similarity Fusion and Filtering Approach for Biomedical Image Retrieval Using SVM Classification and Relevance Feedback. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 640-646.	3.6	113
17	Ontology of Gaps in Content-Based Image Retrieval. Journal of Digital Imaging, 2009, 22, 202-215.	1.6	107
18	Performance evaluation of deep neural ensembles toward malaria parasite detection in thin-blood smear images. PeerJ, 2019, 7, e6977.	0.9	107

#	ARTICLE	IF	CITATIONS
19	Design and Development of a Multimodal Biomedical Information Retrieval System. Journal of Computing Science and Engineering, 2012, 6, 168-177.	0.3	103
20	Combination of texture and shape features to detect pulmonary abnormalities in digital chest X-rays. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 99-106.	1.7	98
21	A review on lung boundary detection in chest X-rays. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 563-576.	1.7	98
22	Evaluating performance of biomedical image retrieval systems—An overview of the medical image retrieval task at ImageCLEF 2004–2013. Computerized Medical Imaging and Graphics, 2015, 39, 55-61.	3.5	94
23	Multimodal Recurrent Model with Attention for Automated Radiology Report Generation. Lecture Notes in Computer Science, 2018, , 457-466.	1.0	91
24	Modality-Specific Deep Learning Model Ensembles Toward Improving TB Detection in Chest Radiographs. IEEE Access, 2020, 8, 27318-27326.	2.6	83
25	Multi-feature based benchmark for cervical dysplasia classification evaluation. Pattern Recognition, 2017, 63, 468-475.	5.1	81
26	Detecting tuberculosis in radiographs using combined lung masks. , 2012, 2012, 4978-81.		73
27	Deep Learning Nuclei Detection in Digitized Histology Images by Superpixels. Journal of Pathology Informatics, 2018, 9, 5.	0.8	73
28	A Spine X-Ray Image Retrieval System Using Partial Shape Matching. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 100-108.	3.6	70
29	Overlaid Arrow Detection for Labeling Regions of Interest in Biomedical Images. IEEE Intelligent Systems, 2016, 31, 66-75.	4.0	69
30	Edge map analysis in chest X-rays for automatic pulmonary abnormality screening. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1637-1646.	1.7	68
31	Automatic screening for tuberculosis in chest radiographs: a survey. Quantitative Imaging in Medicine and Surgery, 2013, 3, 89-99.	1.1	68
32	Content-Based Image Retrieval in Medicine. International Journal of Healthcare Information Systems and Informatics, 2009, 4, 1-16.	1.0	65
33	SPIRS: A Web-based image retrieval system for large biomedical databases. International Journal of Medical Informatics, 2009, 78, S13-S24.	1.6	65
34	Weakly Labeled Data Augmentation for Deep Learning: A Study on COVID-19 Detection in Chest X-Rays. Diagnostics, 2020, 10, 358.	1.3	65
35	Extraction of special effects caption text events from digital video. International Journal on Document Analysis and Recognition, 2003, 5, 138-157.	2.7	61
36	Multimodal Entity Coreference for Cervical Dysplasia Diagnosis. IEEE Transactions on Medical Imaging, 2015, 34, 229-245.	5.4	61

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37	Selective synthetic augmentation with HistoGAN for improved histopathology image classification. Medical Image Analysis, 2021, 67, 101816.	7.0	61
38	Nuclei-Based Features for Uterine Cervical Cancer Histology Image Analysis With Fusion-Based Classification. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1595-1607.	3.9	58
39	Evaluation of shape similarity measurement methods for spine X-ray images. Journal of Visual Communication and Image Representation, 2004, 15, 285-302.	1.7	56
40	Automatic Detection of Anatomical Landmarks in Uterine Cervix Images. IEEE Transactions on Medical Imaging, 2009, 28, 454-468.	5.4	54
41	Gujarati character recognition. , 1999, , .		52
42	Visual Interpretation of Convolutional Neural Network Predictions in Classifying Medical Image Modalities. Diagnostics, 2019, 9, 38.	1.3	52
43	Digital Tools for Collecting Data from Cervigrams for Research and Training in Colposcopy. Journal of Lower Genital Tract Disease, 2006, 10, 16-25.	0.9	46
44	A demonstration of automated visual evaluation of cervical images taken with a smartphone camera. International Journal of Cancer, 2020, 147, 2416-2423.	2.3	46
45	Similarity measurement using polygon curve representation and Fourier descriptors for shape-based vertebral image retrieval. , 2003, , .		41
46	Detecting drug-resistant tuberculosis in chest radiographs. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1915-1925.	1.7	41
47	Review of medical image retrieval systems and future directions. , 2011, , .		40
48	Understanding the learned behavior of customized convolutional neural networks toward malaria parasite detection in thin blood smear images. Journal of Medical Imaging, 2018, 5, 1.	0.8	40
49	Analyzing inter-reader variability affecting deep ensemble learning for COVID-19 detection in chest radiographs. PLoS ONE, 2020, 15, e0242301.	1.1	39
50	A novel stacked generalization of models for improved TB detection in chest radiographs. , 2018, 2018, 718-721.		38
51	Clustering-Based Dual Deep Learning Architecture for Detecting Red Blood Cells in Malaria Diagnostic Smears. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1735-1746.	3.9	38
52	Annotation and retrieval of clinically relevant images. International Journal of Medical Informatics, 2009, 78, e59-e67.	1.6	37
53	Image retrieval from scientific publications: Text and image content processing to separate multipanel figures. Journal of the Association for Information Science and Technology, 2013, 64, 893-908.	2.6	37
54	Convolutional Neural Network Based Localized Classification of Uterine Cervical Cancer Digital Histology Images.. Procedia Computer Science, 2017, 114, 281-287.	1.2	37

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55	Robust extraction of text in video. , 0, , .		35
56	RSILC: Rotation- and Scale-Invariant, Line-based Color-aware descriptor. Image and Vision Computing, 2015, 42, 1-12.	2.7	35
57	Spatiotemporal feature extraction and classification of Alzheimerâ€™s disease using deep learning 3D-CNN for fMRI data. Journal of Medical Imaging, 2020, 7, .	0.8	35
58	A fusion-based approach for uterine cervical cancer histology image classification. Computerized Medical Imaging and Graphics, 2013, 37, 475-487.	3.5	34
59	Image informatics at a national research center. Computerized Medical Imaging and Graphics, 2005, 29, 171-193.	3.5	33
60	Chest X-ray Image View Classification. , 2015, , .		32
61	Content analysis of uterine cervix images: initial steps towards content based indexing and retrieval of cervigrams. , 2006, , .		31
62	Ensemble Deep Learning for Cervix Image Selection toward Improving Reliability in Automated Cervical Precancer Screening. Diagnostics, 2020, 10, 451.	1.3	30
63	A medical image retrieval framework in correlation enhanced visual concept feature space. , 2009, , .		29
64	The development of “automated visual evaluation” for cervical cancer screening: The promise and challenges in adapting deep learning for clinical testing. International Journal of Cancer, 2022, 150, 741-752.	2.3	29
65	A Hybrid Deep Learning and Handcrafted Feature Approach for Cervical Cancer Digital Histology Image Classification. International Journal of Healthcare Information Systems and Informatics, 2019, 14, 66-87.	1.0	28
66	Malaria Screener: a smartphone application for automated malaria screening. BMC Infectious Diseases, 2020, 20, 825.	1.3	28
67	A system for automatic text detection in video. , 1999, , .		27
68	Design and feasibility of a novel program of cervical screening in Nigeria: self-sampled HPV testing paired with visual triage. Infectious Agents and Cancer, 2020, 15, 60.	1.2	27
69	Detection and visualization of abnormality in chest radiographs using modality-specific convolutional neural network ensembles. PeerJ, 2020, 8, e8693.	0.9	27
70	Biomedical information from a national collection of spine x-rays: film to content-based retrieval. , 2003, , .		26
71	Multimodal biomedical image retrieval using hierarchical classification and modality fusion. International Journal of Multimedia Information Retrieval, 2013, 2, 159-173.	3.6	26
72	Advanced imaging tools for childhood tuberculosis: potential applications and research needs. Lancet Infectious Diseases, The, 2020, 20, e289-e297.	4.6	26

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73	Performance characterization and comparison of video indexing algorithms. , 0, , .		25
74	Evaluation of shape indexing methods for content-based retrieval of x-ray images. , 2003, , .		25
75	Deep Metric Learning for Cervical Image Classification. IEEE Access, 2021, 9, 53266-53275.	2.6	25
76	<title>Exploring use of images in clinical articles for decision support in evidence-based medicine</title>. , 2008, , .		24
77	Unsupervised Grow-Cut: Cellular Automata-Based Medical Image Segmentation. , 2011, , .		24
78	Atlas-based rib-bone detection in chest X-rays. Computerized Medical Imaging and Graphics, 2016, 51, 32-39.	3.5	24
79	Synthetic Augmentation and Feature-Based Filtering for Improved Cervical Histopathology Image Classification. Lecture Notes in Computer Science, 2019, , 387-396.	1.0	24
80	Comparing deep learning models for population screening using chest radiography. , 2018, , .		24
81	Deep learning model calibration for improving performance in class-imbalanced medical image classification tasks. PLoS ONE, 2022, 17, e0262838.	1.1	24
82	Improved Semantic Segmentation of Tuberculosisâ€™ Consistent Findings in Chest X-rays Using Augmented Training of Modality-Specific U-Net Models with Weak Localizations. Diagnostics, 2021, 11, 616.	1.3	23
83	Tissue classification using cluster features for lesion detection in digital cervigrams. , 2008, , .		22
84	Evaluation of uterine cervix segmentations using ground truth from multiple experts. Computerized Medical Imaging and Graphics, 2009, 33, 205-216.	3.5	22
85	Deep Learning for Grading Cardiomegaly Severity in Chest X-Rays: An Investigation. , 2018, , .		22
86	Optic Disc and Cup Segmentation for Glaucoma Characterization Using Deep Learning. , 2019, , .		22
87	Deep Learning for Assessing Image Focus for Automated Cervical Cancer Screening. , 2019, , .		22
88	Harnessing Machine Intelligence in Automatic Echocardiogram Analysis: Current Status, Limitations, and Future Directions. IEEE Reviews in Biomedical Engineering, 2021, 14, 181-203.	13.1	22
89	Anterior osteophyte discrimination in lumbar vertebrae using size-invariant features. Computerized Medical Imaging and Graphics, 2004, 28, 99-108.	3.5	21
90	Content-based Image Retrieval for Scientific Literature Access. Methods of Information in Medicine, 2009, 48, 371-380.	0.7	21

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91	Foreign object detection in chest X-rays. , 2015, , .		21
92	Automatically Detecting Rotation in Chest Radiographs Using Principal Rib-Orientation Measure for Quality Control. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1557001.	0.7	21
93	Visualizing and explaining deep learning predictions for pneumonia detection in pediatric chest radiographs. , 2019, , .		21
94	Comparative performance analysis of cervix ROI extraction and specular reflection removal algorithms for uterine cervix image analysis. , 2007, , .		20
95	Using relevance feedback with short-term memory for content-based spine X-ray image retrieval. Neurocomputing, 2009, 72, 2259-2269.	3.5	20
96	CBIR of spine X-ray images on inter-vertebral disc space and shape profiles using feature ranking and voting consensus. Data and Knowledge Engineering, 2009, 68, 1359-1369.	2.1	20
97	Segmenting anatomy in chest x-rays for tuberculosis screening. , 2011, 2011, 7779-82.		19
98	Creating a classification of image types in the medical literature for visual categorization. Proceedings of SPIE, 2012, , .	0.8	19
99	Chest X-ray Bone Suppression for Improving Classification of Tuberculosis-Consistent Findings. Diagnostics, 2021, 11, 840.	1.3	19
100	EpithNet: Deep Regression for Epithelium Segmentation in Cervical Histology Images. Journal of Pathology Informatics, 2020, 11, 10.	0.8	19
101	Optimal embedding for shape indexing in medical image databases. Medical Image Analysis, 2010, 14, 243-254.	7.0	18
102	Assessment of Data Augmentation Strategies Toward Performance Improvement of Abnormality Classification in Chest Radiographs. , 2019, 2019, 841-844.		18
103	Deep multiple-instance learning for abnormal cell detection in cervical histopathology images. Computers in Biology and Medicine, 2021, 138, 104890.	3.9	18
104	Image analysis techniques for characterizing disc space narrowing in cervical vertebrae interfaces. Computerized Medical Imaging and Graphics, 2004, 28, 39-50.	3.5	17
105	Biomedical article retrieval using multimodal features and image annotations in region-based CBIR. , 2010, , .		16
106	Cross-Dataset Evaluation of Deep Learning Networks for Uterine Cervix Segmentation. Diagnostics, 2020, 10, 44.	1.3	16
107	Automatic medical image annotation and retrieval. Neurocomputing, 2008, 71, 2012-2022.	3.5	15
108	Automatic segmentation of subfigure image panels for multimodal biomedical document retrieval. Proceedings of SPIE, 2011, , .	0.8	15

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109	A New Image Data Set and Benchmark for Cervical Dysplasia Classification Evaluation. Lecture Notes in Computer Science, 2015, , 26-35.	1.0	15
110	Automatically Finding Images for Clinical Decision Support. , 2007, , .		14
111	Double-Edge Detection of Radiographic Lumbar Vertebrae Images Using Pressurized Open DGVF Snakes. IEEE Transactions on Biomedical Engineering, 2010, 57, 1325-1334.	2.5	14
112	A query expansion framework in image retrieval domain based on local and global analysis. Information Processing and Management, 2011, 47, 676-691.	5.4	14
113	Detecting Tuberculosis-Consistent Findings in Lateral Chest X-Rays Using an Ensemble of CNNs and Vision Transformers. Frontiers in Genetics, 2022, 13, 864724.	1.1	14
114	Gaps in content-based image retrieval. , 2007, , .		13
115	A web-accessible content-based cervicographic image retrieval system. Proceedings of SPIE, 2008, , .	0.8	13
116	Figure content analysis for improved biomedical article retrieval. Proceedings of SPIE, 2009, , .	0.8	13
117	Multimodal biomedical image indexing and retrieval using descriptive text and global feature mapping. Information Retrieval, 2014, 17, 229-264.	1.6	13
118	Literature-based biomedical image classification and retrieval. Computerized Medical Imaging and Graphics, 2015, 39, 3-13.	3.5	13
119	A Simple and Efficient Arrowhead Detection Technique in Biomedical Images. International Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1657002.	0.7	13
120	Visualizing abnormalities in chest radiographs through salient network activations in Deep Learning. , 2017, , .		13
121	Size-invariant descriptors for detecting regions of abnormal growth in cervical vertebrae. Computerized Medical Imaging and Graphics, 2008, 32, 44-52.	3.5	12
122	Bridging the Gap: Enabling CBIR in Medical Applications. , 2008, , .		12
123	Balancing the Role of Priors in Multi-Observer Segmentation Evaluation. Journal of Signal Processing Systems, 2009, 55, 185-207.	1.4	12
124	Automatic Detection of Arrow Annotation Overlays in Biomedical Images. International Journal of Healthcare Information Systems and Informatics, 2011, 6, 23-41.	1.0	12
125	Malocclusion Classification on 3D Cone-Beam CT Craniofacial Images Using Multi-Channel Deep Learning Models*. , 2020, 2020, 1294-1298.		12
126	Computer-assisted diagnosis in cervical histopathology. SPIE Newsroom, 0, , .	0.1	12

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127	Enhancements in localized classification for uterine cervical cancer digital histology image assessment. Journal of Pathology Informatics, 2016, 7, 51.	0.8	12
128	DeepCIN: Attention-Based Cervical histology Image Classification with Sequential Feature Modeling for Pathologist-Level Accuracy. Journal of Pathology Informatics, 2020, 11, 40.	0.8	12
129	Exploring access to scientific literature using content-based image retrieval. , 2007, , .		11
130	UMS-Rep: Unified modality-specific representation for efficient medical image analysis. Informatics in Medicine Unlocked, 2021, 24, 100571.	1.9	11
131	Synthetic Sample Selection via Reinforcement Learning. Lecture Notes in Computer Science, 2020, , 53-63.	1.0	11
132	Novel loss functions for ensemble-based medical image classification. PLoS ONE, 2021, 16, e0261307.	1.1	11
133	Real-time echocardiography image analysis and quantification of cardiac indices. Medical Image Analysis, 2022, 80, 102438.	7.0	11
134	Vertebra shape classification using MLP for content-based image retrieval. , 2003, , .		10
135	A classification-driven similarity matching framework for retrieval of biomedical images. , 2010, , .		10
136	An image feature-based approach to automatically find images for application to clinical decision support. Computerized Medical Imaging and Graphics, 2011, 35, 365-372.	3.5	10
137	People Locator: A System for Family Reunification. IT Professional, 2012, 14, 13-21.	1.4	10
138	Line Segment-Based Stitched Multipanel Figure Separation for Effective Biomedical CBIR. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1757003.	0.7	10
139	Implementing a mobile diagnostic unit to increase access to imaging and laboratory services in western Kenya. BMJ Global Health, 2018, 3, e000947.	2.0	10
140	Assessment of an ensemble of machine learning models toward abnormality detection in chest radiographs. , 2019, 2019, 3689-3692.		10
141	Accelerating Super-Resolution and Visual Task Analysis in Medical Images. Applied Sciences (Switzerland), 2020, 10, 4282.	1.3	10
142	Trilateral Attention Network for Real-Time Cardiac Region Segmentation. IEEE Access, 2021, 9, 118205-118214.	2.6	10
143	Tuberculosis screening of chest radiographs. SPIE Newsroom, 0, , .	0.1	10
144	<title>Partial shape matching for CBIR of spine x-ray images</title>. , 2003, , .		9

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145	Automatic Medical Image Annotation and Retrieval using SEMI-SECC. , 2006, , .		9
146	Interactive publication: The document as a research tool. Web Semantics, 2010, 8, 145-150.	2.2	9
147	Lung boundary detection in pediatric chest x-rays. Proceedings of SPIE, 2015, , .	0.8	9
148	Local-global classifier fusion for screening chest radiographs. Proceedings of SPIE, 2017, , .	0.8	9
149	An Observational Study of Deep Learning and Automated Evaluation of Cervical Images for Cancer Screening. Obstetrical and Gynecological Survey, 2019, 74, 343-344.	0.2	9
150	Automated Cervical Digitized Histology Whole-Slide Image Analysis Toolbox. Journal of Pathology Informatics, 2021, 12, 26.	0.8	9
151	Smartphone-Supported Malaria Diagnosis Based on Deep Learning. Lecture Notes in Computer Science, 2019, , 73-80.	1.0	9
152	Bridging the semantic gap using Ranking SVM for image retrieval. , 2009, , .		8
153	A classifier ensemble based on performance level estimation. , 2009, , .		8
154	Automatic extraction of mosaic patterns in uterine cervix images. , 2010, , .		8
155	Spine X-ray image retrieval using partial vertebral boundaries. , 2011, , .		8
156	Graphical Figure Classification Using Data Fusion for Integrating Text and Image Features. , 2013, , .		8
157	Interactive cross and multimodal biomedical image retrieval based on automatic region-of-interest (ROI) identification and classification. International Journal of Multimedia Information Retrieval, 2014, 3, 131-146.	3.6	8
158	Automatic Pulmonary Abnormality Screening Using Thoracic Edge Map. , 2015, , .		8
159	DiiS: A Biomedical Data Access Framework for Aiding Data Driven Research Supporting FAIR Principles. Data, 2019, 4, 54.	1.2	8
160	Parasite Detection in Thick Blood Smears Based on Customized Faster-RCNN on Smartphones. , 2019, , .		8
161	DeBoNet: A deep bone suppression model ensemble to improve disease detection in chest radiographs. PLoS ONE, 2022, 17, e0265691.	1.1	8
162	A Deep Modality-Specific Ensemble for Improving Pneumonia Detection in Chest X-rays. Diagnostics, 2022, 12, 1442.	1.3	8

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163	Medical validation and CBIR of spine x-ray images over the Internet. , 2006, , .		7
164	Local and global Gaussian mixture models for hematoxylin and eosin stained histology image segmentation. , 2010, , .		7
165	Detecting Figure-Panel Labels in Medical Journal Articles Using MRF. , 2011, , .		7
166	Scalable Arrow Detection in Biomedical Images. , 2014, , .		7
167	Stitched Multipanel Biomedical Figure Separation. , 2015, , .		7
168	Recent trends in image processing and pattern recognition. Multimedia Tools and Applications, 2020, 79, 34697-34699.	2.6	7
169	Network Visualization and Pyramidal Feature Comparison for Ablative Treatability Classification Using Digitized Cervix Images. Journal of Clinical Medicine, 2021, 10, 953.	1.0	7
170	Automatic evaluation of uterine cervix segmentations. , 2007, , .		6
171	Biomedical CBIR using “bag of keypoints” in a modified inverted index. , 2011, , .		6
172	A hybrid watershed method for cell image segmentation. , 2012, , .		6
173	Classification of CT Figures in Biomedical Articles Based on Body Segments. , 2013, , .		6
174	Annotation of Chest Radiology Reports forÂIndexing and Retrieval. Lecture Notes in Computer Science, 2015, , 99-111.	1.0	6
175	Automatic heart localization and radiographic index computation in chest x-rays. Proceedings of SPIE, 2016, , .	0.8	6
176	Gender Detection from Spine X-Ray Images Using Deep Learning. , 2018, , .		6
177	Semi-Supervised Learning for Cervical Precancer Detection. , 2021, , .		6
178	Multi-modal Query Expansion Based on Local Analysis for Medical Image Retrieval. Lecture Notes in Computer Science, 2010, , 110-119.	1.0	6
179	Using deep learning for detecting gender in adult chest radiographs. , 2018, , .		6
180	Automated signal drift and global fluctuation removal from 4D fMRI data based on principal component analysis as a major preprocessing step for fMRI data analysis. , 2019, , .		6

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181	Cascading YOLO: automated malaria parasite detection for Plasmodium vivax in thin blood smears. , 2020, , .		6
182	Visualization and Detection of Changes in Brain States Using t-SNE. , 2020, , .		6
183	Content-based image retrieval for large biomedical image archives. Studies in Health Technology and Informatics, 2004, 107, 829-33.	0.2	6
184	Annotations of Lung Abnormalities in the Shenzhen Chest X-ray Dataset for Computer-Aided Screening of Pulmonary Diseases. Data, 2022, 7, 95.	1.2	6
185	Technology for Medical Education, Research, and Disease Screening by Exploitation of Biomarkers in a Large Collection of Uterine Cervix Images. , 2006, , .		5
186	CBIR of Spine X-Ray Images on Inter-Vertebral Disc Space and Shape Profiles. , 2008, , .		5
187	Segmentation of mosaicism in cervicographic images using support vector machines. , 2009, , .		5
188	A system for searching uterine cervix images by visual attributes. , 2009, , .		5
189	A unified set of analysis tools for uterine cervix image segmentation. Computerized Medical Imaging and Graphics, 2010, 34, 593-604.	3.5	5
190	An online segmentation tool for cervicographic image analysis. , 2010, , .		5
191	Comparative study of shape retrieval using feature fusion approaches. , 2010, , .		5
192	Automatic identification of ROI in figure images toward improving hybrid (text and image) biomedical document retrieval. Proceedings of SPIE, 2011, , .	0.8	5
193	On the creation of a segmentation library for digitized cervical and lumbar spine radiographs. Computerized Medical Imaging and Graphics, 2011, 35, 251-265.	3.5	5
194	A biomedical image retrieval framework based on classification-driven image filtering and similarity fusion. , 2011, , .		5
195	Pathology-based vertebral image retrieval. , 2011, , .		5
196	Biomedical Image Retrieval Using Multimodal Context and Concept Feature Spaces. Lecture Notes in Computer Science, 2012, , 24-35.	1.0	5
197	An MRF Model for Biomedical Image Segmentation. , 2014, , .		5
198	Detecting and Segmenting White Blood Cells in Microscopy Images of Thin Blood Smears. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
199	Localizing tuberculosis in chest radiographs with deep learning. , 2018, , .		5
200	Investigating CBIR techniques for cervicographic images. AMIA ... Annual Symposium proceedings, 2007, , 826-30.	0.2	5
201	Interactive publications: creation and usage. , 2006, , .		4
202	Interfacing Global and Local CBIR Systems for Medical Image Retrieval. , 2007, , 166-171.		4
203	A hierarchical SVG image abstraction layer for medical imaging. Proceedings of SPIE, 2010, , .	0.8	4
204	Is there a need for biomedical CBIR systems in clinical practice? Outcomes from a usability study. , 2011, , .		4
205	Text- and content-based biomedical image modality classification. Proceedings of SPIE, 2013, , .	0.8	4
206	A robust pointer segmentation in biomedical images toward building a visual ontology for biomedical article retrieval. Proceedings of SPIE, 2013, , .	0.8	4
207	Multi-test cervical cancer diagnosis with missing data estimation. , 2015, , .		4
208	Named entity recognition in functional neuroimaging literature. , 2017, , .		4
209	A Deep Clustering Method For Analyzing Uterine Cervix Images Across Imaging Devices. , 2021, 2021, 527-532.		4
210	Anatomical landmark segmentation in uterine cervix images using deep learning. , 2020, , .		4
211	Fully automated spectral envelope and peak velocity detection from Doppler echocardiography images. , 2020, , .		4
212	Window classification of brain CT images in biomedical articles. AMIA ... Annual Symposium proceedings, 2012, 2012, 1023-9.	0.2	4
213	SPIRS: a framework for content-based image retrieval from large biomedical databases. Studies in Health Technology and Informatics, 2007, 129, 188-92.	0.2	4
214	<title>Applying vertebral boundary semantics to CBIR of digitized spine x-ray images</title>. , 2005, , .		3
215	Comparative study of spine vertebra shape retrieval using learning-based feature selection. , 2009, , .		3
216	Local concept-based medical image retrieval with correlation-enhanced similarity matching based on global analysis. , 2010, , .		3

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217	Multiphase Level Set Model with Local K-means Energy for Histology Image Segmentation. , 2011, , .		3
218	The role of location for family reunification during disasters. , 2012, , .		3
219	Face Matching for Post-Disaster Family Reunification. , 2013, , .		3
220	Label the many with a few: Semi-automatic medical image modality discovery in a large image collection. , 2014, , .		3
221	Large image modality labeling initiative using semi-supervised and optimized clustering. International Journal of Multimedia Information Retrieval, 2015, 4, 143-151.	3.6	3
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