## **Mohamed Cheriet**

## List of Publications by Citations

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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.

152 2,407 25 41 h-index g-index citations papers 161 3,069 5.86 5.3 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
152	Model selection for the LS-SVM. Application to handwriting recognition. <i>Pattern Recognition</i> , <b>2009</b> , 42, 3264-3270	7.7	132
151	AdOtsu: An adaptive and parameterless generalization of Otsus method for document image binarization. <i>Pattern Recognition</i> , <b>2012</b> , 45, 2419-2431	7.7	128
150	A multi-scale framework for adaptive binarization of degraded document images. <i>Pattern Recognition</i> , <b>2010</b> , 43, 2186-2198	7.7	121
149	Databases for recognition of handwritten Arabic cheques. <i>Pattern Recognition</i> , <b>2003</b> , 36, 111-121	7.7	88
148	Taxonomy of information security risk assessment (ISRA). Computers and Security, 2016, 57, 14-30	4.9	85
147	Mean Deviation Similarity Index: Efficient and Reliable Full-Reference Image Quality Evaluator. <i>IEEE Access</i> , <b>2016</b> , 4, 5579-5590	3.5	63
146	Semisupervised least squares support vector machine. <i>IEEE Transactions on Neural Networks</i> , <b>2009</b> , 20, 1858-70		57
145	Taxonomy of intrusion risk assessment and response system. <i>Computers and Security</i> , <b>2014</b> , 45, 1-16	4.9	50
144	Nonrigid 2D/3D registration of coronary artery models with live fluoroscopy for guidance of cardiac interventions. <i>IEEE Transactions on Medical Imaging</i> , <b>2012</b> , 31, 1557-72	11.7	50
143	Historical document image restoration using multispectral imaging system. <i>Pattern Recognition</i> , <b>2013</b> , 46, 2297-2312	7.7	47
142	KRNN: k Rare-class Nearest Neighbour classification. <i>Pattern Recognition</i> , <b>2017</b> , 62, 33-44	7.7	47
141	Taxonomy of Distributed Denial of Service mitigation approaches for cloud computing. <i>Journal of Network and Computer Applications</i> , <b>2015</b> , 58, 165-179	7.9	40
140	A spatially adaptive statistical method for the binarization of historical manuscripts and degraded document images. <i>Pattern Recognition</i> , <b>2011</b> , 44, 2184-2196	7.7	40
139	RSLDI: Restoration of single-sided low-quality document images. <i>Pattern Recognition</i> , <b>2009</b> , 42, 3355-3	3 <i>6</i> 47	38
138	Time-Frequency Distributions Based on Compact Support Kernels: Properties and Performance Evaluation. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 2814-2827	4.8	34
137	Energy Efficient Resource Allocation in Cloud Computing Environments. <i>IEEE Access</i> , <b>2016</b> , 4, 8544-855	73.5	32
136	Bayes classification of online arabic characters by Gibbs modeling of class conditional densities.  IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1121-31	13.3	31

135	Optimizing resources in model selection for support vector machine. <i>Pattern Recognition</i> , <b>2007</b> , 40, 953	3- <del>9</del> 6/3	30	
134	Powering a Data Center Network via Renewable Energy: A Green Testbed. <i>IEEE Internet Computing</i> , <b>2013</b> , 17, 40-49	2.4	29	
133	Robust NL-Means Filter With Optimal Pixel-Wise Smoothing Parameter for Statistical Image Denoising. <i>IEEE Transactions on Signal Processing</i> , <b>2009</b> , 57, 1703-1716	4.8	29	
132	Efficient No-Reference Quality Assessment and Classification Model for Contrast Distorted Images. <i>IEEE Transactions on Broadcasting</i> , <b>2018</b> , 64, 518-523	4.7	27	
131	Semisupervised learning using Bayesian interpretation: application to LS-SVM. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 513-24		27	
130	Deep Learning-Based Resource Allocation for 5G Broadband TV Service. <i>IEEE Transactions on Broadcasting</i> , <b>2020</b> , 66, 800-813	4.7	26	
129	Phase-based binarization of ancient document images: model and applications. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 2916-30	8.7	26	
128	Genetic algorithmBased training for semi-supervised SVM. <i>Neural Computing and Applications</i> , <b>2010</b> , 19, 1197-1206	4.8	26	
127	Handwriting recognition research: Twenty years of achievement[and beyond. <i>Pattern Recognition</i> , <b>2009</b> , 42, 3131-3135	7.7	25	
126	Help-Training for semi-supervised support vector machines. <i>Pattern Recognition</i> , <b>2011</b> , 44, 2220-2230	7.7	25	
125	Consideration of marginal electricity in real-time minimization of distributed data centre emissions. <i>Journal of Cleaner Production</i> , <b>2017</b> , 143, 116-124	10.3	24	
124	Data-Driven Network Slicing From Core to RAN for 5G Broadcasting Services. <i>IEEE Transactions on Broadcasting</i> , <b>2021</b> , 67, 23-32	4.7	24	
123	Carbon-aware distributed cloud: multi-level grouping genetic algorithm. <i>Cluster Computing</i> , <b>2015</b> , 18, 477-491	2.1	22	
122	BLCS: Brain-Like Distributed Control Security in Cyber Physical Systems. <i>IEEE Network</i> , <b>2020</b> , 34, 8-15	11.4	22	
121	Unsupervised MRI segmentation of brain tissues using a local linear model and level set. <i>Magnetic Resonance Imaging</i> , <b>2011</b> , 29, 243-59	3.3	22	
120	Dynamic Optimal Countermeasure Selection for Intrusion Response System. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2018</b> , 15, 755-770	3.9	21	
119	A learning framework for the optimization and automation of document binarization methods. <i>Computer Vision and Image Understanding</i> , <b>2013</b> , 117, 269-280	4.3	21	
118	Should we fear the rebound effect in smart homes?. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 125, 109798	16.2	20	

117	Real-time environmental assessment of electricity use: a tool for sustainable demand-side management programs. <i>International Journal of Life Cycle Assessment</i> , <b>2018</b> , 23, 1981-1994	4.6	19
116	Multiple-Step-Ahead Traffic Prediction in High-Speed Networks. <i>IEEE Communications Letters</i> , <b>2018</b> , 22, 2447-2450	3.8	19
115	LSTM-based indoor air temperature prediction framework for HVAC systems in smart buildings. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 17569-17585	4.8	18
114	Large margin low rank tensor analysis. Neural Computation, 2014, 26, 761-80	2.9	18
113	Efficient Provisioning of Security Service Function Chaining Using Network Security Defense Patterns. <i>IEEE Transactions on Services Computing</i> , <b>2019</b> , 12, 534-549	4.8	18
112	StrCombo: combination of string recognizers. <i>Pattern Recognition Letters</i> , <b>2002</b> , 23, 381-394	4.7	17
111	A generic method of cleaning and enhancing handwritten data from business forms. <i>International Journal on Document Analysis and Recognition</i> , <b>2001</b> , 4, 84-96	3.8	17
110	. IEEE Transactions on Network and Service Management, <b>2021</b> , 18, 882-893	4.8	17
109	Core and Spectrum Allocation Based on Association Rules Mining in Spectrally and Spatially Elastic Optical Networks. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 5299-5311	6.9	17
108	Assessing behavioural change with agent-based life cycle assessment: Application to smart homes. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 111, 365-376	16.2	16
107	Tensor representation learning based image patch analysis for text identification and recognition. <i>Pattern Recognition</i> , <b>2015</b> , 48, 1211-1224	7.7	16
106	A new efficient binarization method: application to degraded historical document images. <i>Signal, Image and Video Processing,</i> <b>2017</b> , 11, 1155-1162	1.6	15
105	Combination of context-dependent bidirectional long short-term memory classifiers for robust offline handwriting recognition. <i>Pattern Recognition Letters</i> , <b>2017</b> , 90, 58-64	4.7	15
104	Accounting for fluctuating demand in the life cycle assessments of residential electricity consumption and demand-side management strategies. <i>Journal of Cleaner Production</i> , <b>2019</b> , 240, 1182	51 <sup>0.3</sup>	15
103	Environment-Aware Virtual Slice Provisioning in Green Cloud Environment. <i>IEEE Transactions on Services Computing</i> , <b>2015</b> , 8, 507-519	4.8	15
102	Placement and Chaining for Run-Time IoT Service Deployment in Edge-Cloud. <i>IEEE Transactions on Network and Service Management</i> , <b>2020</b> , 17, 459-472	4.8	15
101	Influence of Color-to-Gray Conversion on the Performance of Document Image Binarization: Toward a Novel Optimization Problem. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 3637-51	8.7	14
100	Iterative Classifiers Combination Model for Change Detection in Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2016</b> , 54, 6997-7008	8.1	14

99	A modified GHG intensity indicator: Toward a sustainable global economy based on a carbon border tax and emissions trading. <i>Energy Policy</i> , <b>2013</b> , 57, 363-380	7.2	14
98	ICDAR 2015 contest on MultiSpectral Text Extraction (MS-TEx 2015) <b>2015</b> ,		14
97	Environmental-aware virtual data center network. <i>Computer Networks</i> , <b>2012</b> , 56, 2538-2550	5.4	14
96	Extraction of bankcheck items by mathematical morphology. <i>International Journal on Document Analysis and Recognition</i> , <b>1999</b> , 2, 53-66	3.8	14
95	Deep-Reinforcement-Learning-Based Spectrum Resource Management for Industrial Internet of Things. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 3476-3489	10.7	14
94	OpenFlow-based in-network Layer-2 adaptive multipath aggregation in data centers. <i>Computer Communications</i> , <b>2015</b> , 61, 58-69	5.1	13
93	Real-Time Remote Health Monitoring System Driven by 5G MEC-IoT. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1753	2.6	13
92	Beyond pixels and regions: A non-local patch means (NLPM) method for content-level restoration, enhancement, and reconstruction of degraded document images. <i>Pattern Recognition</i> , <b>2011</b> , 44, 363-37	<b>4</b> 7.7	13
91	Gaussian Process Regression Based Traffic Modeling and Prediction in High-Speed Networks <b>2016</b> ,		12
90	An Improved UAV-PHD Filter-Based Trajectory Tracking Algorithm for Multi-UAVs in Future 5G IoT Scenarios. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1188	2.6	12
89	. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, <b>2018</b> , 11, 1191-1202	4.7	11
88	W-TSV: Weighted topological signature vector for lexicon reduction in handwritten Arabic documents. <i>Pattern Recognition</i> , <b>2012</b> , 45, 3277-3287	7.7	11
87	Constrained Energy Maximization and Self-Referencing Method for Invisible Ink Detection from Multispectral Historical Document Images <b>2014</b> ,		11
86	PKCS: a polynomial kernel family with compact support for scale- space image processing. <i>IEEE Transactions on Image Processing</i> , <b>2007</b> , 16, 2299-308	8.7	11
85	Intelligent-Driven Green Resource Allocation for Industrial Internet of Things in 5G Heterogeneous Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 1-1	11.9	11
84	Virtual Edge-Based Smart Community Network Management. <i>IEEE Internet Computing</i> , <b>2016</b> , 20, 32-41	2.4	11
83	. IEEE Signal Processing Letters, <b>2017</b> , 24, 1651-1655	3.2	10
82	Multi Features and Multi-time steps LSTM Based Methodology for Bike Sharing Availability Prediction. <i>Procedia Computer Science</i> , <b>2019</b> , 155, 394-401	1.6	10

81	Non-local adaptive structure tensors: Application to anisotropic diffusion and shock filtering. <i>Image and Vision Computing</i> , <b>2011</b> , 29, 730-743	3.7	10
80	A hybrid GPU-FPGA based design methodology for enhancing machine learning applications performance. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 11, 2309-2323	3.7	10
79	Automatic guarantee scheme for intent-driven network slicing and reconfiguration. <i>Journal of Network and Computer Applications</i> , <b>2021</b> , 190, 103163	7.9	10
78	Consequences of Future Data Center Deployment in Canada on Electricity Generation and Environmental Impacts: A 2015\( \textit{\textit{20}} 030 \) Prospective Study. <i>Journal of Industrial Ecology</i> , <b>2017</b> , 21, 1312-13	2 <del>7</del> .2	9
77	A Survey on Metrics and Measurement Tools for Sustainable Distributed Cloud Networks. <i>IEEE Communications Surveys and Tutorials</i> , <b>2018</b> , 20, 1244-1270	37.1	9
76	Towards end-to-end integrated optical packet network: Empirical analysis. <i>Optical Switching and Networking</i> , <b>2018</b> , 27, 18-39	1.6	9
75	A graph-based approach for spatio-temporal segmentation of coronary arteries in X-ray angiographic sequences. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 79, 45-58	7	9
74	Gabor filter-based texture for ancient degraded document image binarization. <i>Pattern Analysis and Applications</i> , <b>2019</b> , 22, 1-22	2.3	9
73	Word spotting and recognition via a joint deep embedding of image and text. <i>Pattern Recognition</i> , <b>2019</b> , 88, 312-320	7.7	9
72	Multispectral Image Reconstruction From Color Images Using Enhanced Variational Autoencoder and Generative Adversarial Network. <i>IEEE Access</i> , <b>2021</b> , 9, 1666-1679	3.5	9
71	Parallel Route Optimization and Service Assurance in Energy-Efficient Software-Defined Industrial IoT Networks. <i>IEEE Access</i> , <b>2021</b> , 9, 24682-24696	3.5	9
70	Tandem hidden Markov models using deep belief networks for offline handwriting recognition. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2017</b> , 18, 978-988	2.2	8
69	New Frontiers in Handwriting Recognition. <i>Pattern Recognition</i> , <b>2009</b> , 42, 3129-3130	7.7	8
68	Forgery Detection in Hyperspectral Document Images using Graph Orthogonal Nonnegative Matrix Factorization <b>2020</b> ,		8
67	Performance analysis of modified BCube topologies for virtualized data center networks. <i>Computer Communications</i> , <b>2016</b> , 96, 52-61	5.1	8
66	Time Series-Based GHG Emissions Prediction for Smart Homes. <i>IEEE Transactions on Sustainable Computing</i> , <b>2020</b> , 5, 134-146	3.5	8
65	Subjective and objective quality assessment of degraded document images. <i>Journal of Cultural Heritage</i> , <b>2018</b> , 30, 199-209	2.9	8
64	A Human-Guided Machine Learning Approach for 5G Smart Tourism IoT. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 947	2.6	7

## (2018-2018)

63	BackHauling-as-a-Service (BHaaS) for 5G Optical Sliced Networks: An Optimized TCO Approach. Journal of Lightwave Technology, <b>2018</b> , 36, 4006-4017	4	7
62	. IEEE Access, <b>2019</b> , 7, 133738-133748	3.5	7
61	UAV Control for Wireless Service Provisioning in Critical Demand Areas: A Deep Reinforcement Learning Approach. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 7138-7152	6.8	7
60	Real-time optimized NFV architecture for internetworking WebRTC and IMS <b>2016</b> ,		7
59	. IEEE Access, <b>2019</b> , 7, 58990-59001	3.5	6
58	UCAA: User-Centric User Association and Resource Allocation in Fog Computing Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 10671-10685	3.5	6
57	Convolutional pyramid of bidirectional character sequences for the recognition of handwritten words. <i>Pattern Recognition Letters</i> , <b>2018</b> , 111, 87-93	4.7	6
56	Arabic word descriptor for handwritten word indexing and lexicon reduction. <i>Pattern Recognition</i> , <b>2014</b> , 47, 3477-3486	7.7	6
55	3-D curvilinear structure detection filter via structure-ball analysis. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 2849-63	8.7	6
54	Ground-Truth Estimation in Multispectral Representation Space: Application to Degraded Document Image Binarization <b>2013</b> ,		6
53	Service and Resource Aware Flow Management Scheme for an SDN-Based Smart Digital Campus Environment. <i>IEEE Access</i> , <b>2020</b> , 8, 119635-119653	3.5	6
52	. IEEE Transactions on Network and Service Management, <b>2021</b> , 18, 538-551	4.8	6
51	PSI: Patch-based script identification using non-negative matrix factorization. <i>Pattern Recognition</i> , <b>2017</b> , 67, 328-339	7.7	5
50	Blind quality assessment metric and degradation classification for degraded document images. <i>Signal Processing: Image Communication</i> , <b>2019</b> , 76, 11-21	2.8	5
49	SemTra: A semi-supervised approach to traffic flow labeling with minimal human effort. <i>Pattern Recognition</i> , <b>2019</b> , 91, 1-12	7.7	5
48	. IEEE Access, <b>2020</b> , 8, 60401-60416	3.5	5
47	Forgetting of unused classes in missing data environment using automatically generated data: Application to on-line handwritten gesture command recognition. <i>Pattern Recognition</i> , <b>2017</b> , 72, 355-36	<b>7</b> ·7	5
46	NFV-Based Architecture for the Interworking Between WebRTC and IMS. <i>IEEE Transactions on Network and Service Management</i> , <b>2018</b> , 15, 1363-1377	4.8	5

45	A distributed approach to emergency demand response in geo-distributed mixed-use buildings. Journal of Building Engineering, <b>2018</b> , 19, 506-518	5.2	5
44	Multistage OCDO: Scalable Security Provisioning Optimization in SDN-Based Cloud <b>2015</b> ,		4
43	Historical documents dating using multispectral imaging and ordinal classification. <i>Journal of Cultural Heritage</i> , <b>2020</b> , 45, 71-80	2.9	4
42	. IEEE Internet of Things Journal, <b>2020</b> , 7, 5412-5425	10.7	4
41	Preemptive cloud resource allocation modeling of processing jobs. <i>Journal of Supercomputing</i> , <b>2018</b> , 74, 2116-2150	2.5	4
40	Reliability-Oriented and Resource-Efficient Service Function Chain Construction and Backup. <i>IEEE Transactions on Network and Service Management</i> , <b>2021</b> , 18, 240-257	4.8	4
39	Hierarchical representation learning using spherical k-means for segmentation-free word spotting. <i>Pattern Recognition Letters</i> , <b>2018</b> , 101, 52-59	4.7	4
38	Graph and Sparse-Based Robust Nonnegative Block Value Decomposition for Clustering. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2018</b> , 12, 1561-1574	7.5	4
37	Incremental Similarity for real-time on-line incremental learning systems. <i>Pattern Recognition Letters</i> , <b>2016</b> , 74, 61-67	4.7	3
36	Energy and connectivity aware resource optimization of nodes traffic distribution in smart home networks. <i>Future Generation Computer Systems</i> , <b>2018</b> , 88, 559-570	7.5	3
35	Virtual Slice Assignment in Large-Scale Cloud Interconnects. <i>IEEE Internet Computing</i> , <b>2014</b> , 18, 37-46	2.4	3
34	A protocol for quantifying the carbon reductions achieved through the provision of low or zero carbon ICT services. <i>Sustainable Computing: Informatics and Systems</i> , <b>2012</b> , 2, 23-32	3	3
33	Gaussian Process Regression Ensemble Model for Network Traffic Prediction. <i>IEEE Access</i> , <b>2020</b> , 8, 176	54 <sub>3</sub> 0 <sub>5</sub> 17	'6 <b>5</b> 54
32	MUG: A Parameterless No-Reference JPEG Quality Evaluator Robust to Block Size and Misalignment. <i>IEEE Signal Processing Letters</i> , <b>2016</b> , 23, 1577-1581	3.2	3
31	A Monte-Carlo approach to lifespan failure performance analysis of the network fabric in modular data centers. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 87, 131-146	7.9	2
30	Multiscale simulation of ink seepage into paper: A mesoscopic variational model. <i>Computer Physics Communications</i> , <b>2019</b> , 239, 1-13	4.2	2
29	SO-ARTIST: Self-Organized ART-2A inspired clustering for online TakagiBugeno fuzzy models. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 31, 132-152	7.5	2
28	Prioritized Uplink Resource Allocation in Smart Grid Backscatter Communication Networks via Deep Reinforcement Learning. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 622	2.6	2

## (2020-2018)

27	Automatic segmentation and reconstruction of historical manuscripts in gradient domain. <i>IET Image Processing</i> , <b>2018</b> , 12, 502-512	1.7	2
26	Automatic evaluation of vessel diameter variation from 2D X-ray angiography. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2017</b> , 12, 1867-1876	3.9	2
25	Real-time knowledge-based processing of images: application of the online NLPM method to perceptual visual analysis. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 3390-404	8.7	2
24	Maximum Entropy Gibbs Density Modeling for Pattern Classification. <i>Entropy</i> , <b>2012</b> , 14, 2478-2491	2.8	2
23	2DPCA-based techniques in DCT domain for face recognition. <i>International Journal of Intelligent Systems Technologies and Applications</i> , <b>2009</b> , 7, 243	0.5	2
22	Blind Decomposition of Multispectral Document Images Using Orthogonal Nonnegative Matrix Factorization. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 5997-6012	8.7	2
21	Share to Run IoT Services in Edge Cloud Computing. IEEE Internet of Things Journal, 2021, 1-1	10.7	2
20	2018,		2
19	Context-aware Model Predictive Control framework for multi-zone buildings. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 102340	5.2	2
18	Anomaly Prediction with Hybrid Supervised/Unsupervised Deep Learning for Elastic Optical Networks: A Multi-Index Correlative Approach. <i>Journal of Lightwave Technology</i> , <b>2022</b> , 1-1	4	2
17	TCO Planning Game for 5G Multitenant Virtualized Mobile BackHaul (V-MBH) Network. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 6193-6206	4	1
16	Visual information retrieval from historical document images. Journal of Cultural Heritage, 2019, 40, 99-	1213	1
15	. IEEE Transactions on Smart Grid, <b>2020</b> , 11, 5019-5027	10.7	1
14	Elastic memory learning for fuzzy inference models. Applied Soft Computing Journal, 2018, 67, 1-7	7.5	1
13	The efficiency of the NSHPZ-HMM: theoretical and practical study. <i>Applied Intelligence</i> , <b>2018</b> , 48, 4660-4	6473	1
12	Embedding Multiple-Step-Ahead Traffic Prediction in Network Energy Efficiency Problem 2019,		1
11	Federated Imitation Learning: A Cross-Domain Knowledge Sharing Framework for Traffic Scheduling in 6G Ubiquitous IoT. <i>IEEE Network</i> , <b>2021</b> , 35, 136-142	11.4	1
10	Learning Framework for IoT Services Chain Implementation in Edge Cloud Platform 2020,		1

9	MSdB-NMF: MultiSpectral Document Image Binarization Framework via Non-negative Matrix Factorization Approach. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , PP,	8.7	1
8	The Page Image: Towards a Visual History of Digital Documents. <i>Book History</i> , <b>2020</b> , 23, 365-397	0.5	1
7	. IEEE Transactions on Smart Grid, <b>2019</b> , 10, 5345-5359	10.7	1
6	Improved Intelligent Image Segmentation Algorithm for Mechanical Sensors in Industrial IoT: A Joint Learning Approach. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 446	2.6	О
5	Application-Oriented Free Data in Cellular Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 71173-71188	3.5	
4	A TOPSIS-based QoE model for adapted content selection of slide documents. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 26741-26768	2.5	
3	Correcting Arabic OCR Errors Using Improved Topic-Based Language Models. <i>International Journal of Computer Processing of Languages</i> , <b>2009</b> , 22, 321-340		
2	Dynamic Controller/Switch Mapping: A Service Oriented Assignment Approach. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2022</b> , 1-1	3.7	
1	Energy-Efficient Method Based on Dynamic Topology Switching and Reliability in SDNs. <i>IEEE Transactions on Sustainable Computing</i> , <b>2021</b> , 1-1	3.5	