

# Mohammad S Obaidat

## 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.

455  
papers

5,953  
citations

39  
h-index

56  
g-index

552  
ext. papers

7,450  
ext. citations

3.8  
avg, IF

6.58  
L-index

#	Paper	IF	Citations
455	Edge-assisted Intelligent Device Authentication in Cyber-Physical Systems. <i>IEEE Internet of Things Journal</i> , <b>2022</b> , 1-1	10.7	5
454	An Efficient Object Navigation Strategy for Mobile Robots Based on Semantic Information. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1136	2.6	1
453	A Delay-Sensitive Multibase-Station Multichannel Access System for Smart Factory. <i>IEEE Systems Journal</i> , <b>2022</b> , 1-12	4.3	1
452	Study of Power Efficient 5G Mobile Edge Computing <b>2021</b> , 71-87		
451	SEAT: Secure and Energy Efficient Anonymous Authentication with Trajectory Privacy-Preserving Scheme for Marine Traffic Management. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 1-1	4	0
450	Service Chain Caching and Workload Scheduling in Mobile Edge Computing. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	
449	Energy-efficient and Secure Communication towards UAVs Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	2
448	An Effective Fair Off-Line Electronic Cash Protocol using Extended Chaotic Maps with Anonymity Revoking Trustee <b>2021</b> ,		2
447	A lightweight anonymous authentication scheme for secure cloud computing services. <i>Journal of Supercomputing</i> , <b>2021</b> , 77, 1693-1713	2.5	2
446	Comment on Lightweight Secure Message Broadcasting Protocol for Vehicle-to-Vehicle Communication <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 1366-1368	4.3	1
445	Importance-Different Charging Scheduling Based on Matroid Theory for Wireless Rechargeable Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 3284-3294	9.6	3
444	An effective mobile-healthcare emerging emergency medical system using conformable chaotic maps. <i>Soft Computing</i> , <b>2021</b> , 25, 8905-8920	3.5	8
443	Joint User Pairing and Resource Allocation for SWIPT-Enabled Cooperative D2D Communications <b>2021</b> ,		1
442	Resource Scheduling Based on Priority Ladders for Multiple Performance Requirements in Wireless Body Area Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 7027-7036	6.8	4
441	IoT-Enabled Light Intensity-Controlled Seamless Highway Lighting System. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 46-55	4.3	6
440	Chaos-Based Content Distribution Framework for Digital Rights Management System. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 570-576	4.3	5
439	SFEEC: Provably Secure Signcryption-Based Big Data Security Framework for Energy-Efficient Computing Environment. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 598-606	4.3	3

438	URJA: Usage Jammer as a Resource Allocation for Secure Transmission in a CR-NOMA-Based 5G Femtocell System. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 1776-1785	4.3	7
437	Computational Efficient Authenticated Digital Content Distribution Frameworks for DRM Systems: Review and Outlook. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 1586-1593	4.3	2
436	A Reinforcement Learning-Based Network Traffic Prediction Mechanism in Intelligent Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 2169-2180	11.9	17
435	A Provably Secure and Lightweight Identity-Based Two-Party Authenticated Key Agreement Protocol for IIoT Environments. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 1732-1741	4.3	15
434	Extending Network Lifetime for Wireless Rechargeable Sensor Network Systems Through Partial Charge. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 1307-1317	4.3	3
433	LAAC: Lightweight Lattice-Based Authentication and Access Control Protocol for E-Health Systems in IoT Environments. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3620-3627	4.3	6
432	A secure and privacy preserving lightweight authentication scheme for smart-grid communication using elliptic curve cryptography. <i>Journal of Systems Architecture</i> , <b>2021</b> , 114, 101938	5.5	14
431	A high efficient multi-robot simultaneous localization and mapping system using partial computing offloading assisted cloud point registration strategy. <i>Journal of Parallel and Distributed Computing</i> , <b>2021</b> , 149, 89-102	4.4	1
430	A Strategy to Alleviate Rush Hour Traffics in Urban Areas Based on School-Trip Commute Information. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 2630-2641	4.3	0
429	Movement-Based Solutions to Energy Limitation in Wireless Sensor Networks: State of the Art and Future Trends. <i>IEEE Network</i> , <b>2021</b> , 35, 188-193	11.4	22
428	Efficient Identity-Based Distributed Decryption Scheme for Electronic Personal Health Record Sharing System. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 384-395	14.2	9
427	. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2021</b> , 1-1	3.9	15
426	Edge-Learning-Based Hierarchical Prefetching for Collaborative Information Streaming in Social IoT Systems. <i>IEEE Transactions on Computational Social Systems</i> , <b>2021</b> , 1-11	4.5	2
425	Contact Tracing Incentive for COVID-19 and other Pandemic Diseases from a Crowdsourcing Perspective. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	11
424	Authenticated Key Agreement Scheme With User Anonymity and Untraceability for 5G-Enabled Softwarized Industrial Cyber-Physical Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-15	6.1	15
423	The Role of Internet of Things to Control the Outbreak of COVID-19 Pandemic. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	8
422	An Unlinkable Authenticated Key Agreement With Collusion Resistant for VANETs. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 7992-8006	6.8	10
421	Novel Multiparameter Detection and Recovery Technique for Diverse Network Systems. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 4612-4622	4.3	

420	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 7123-7132	11.9	10
419	CoMSeC++: PUF-based secured light-weight mutual authentication protocol for Drone-enabled WSN. <i>Computer Networks</i> , <b>2021</b> , 199, 108476	5.4	1
418	AI-Driven Salient Soccer Events Recognition Framework for Next Generation IoT-Enabled Environments. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	0
417	Enabling Efficient Data Sharing With Auditable User Revocation for IoV Systems. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	9
416	An Efficient, Robust, and Lightweight Subtree-Based Three-Factor Authentication Procedure for Large-Scale DWSN in Random Oracle. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	3
415	Utility-Aware Charging Scheduling for Multiple Mobile Chargers in Large-Scale Wireless Rechargeable Sensor Networks. <i>IEEE Transactions on Sustainable Computing</i> , <b>2020</b> , 1-1	3.5	10
414	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-12	6.1	90
413	Prolonging lifetime for wireless rechargeable sensor networks through sleeping and charging scheduling. <i>International Journal of Communication Systems</i> , <b>2020</b> , 33, e4355	1.7	7
412	An efficient key authentication procedure for IND-CCA2 secure Paillier-based cryptosystem. <i>Soft Computing</i> , <b>2020</b> , 24, 6531-6537	3.5	3
411	An efficient and provable certificate-based proxy signature scheme for IIoT environment. <i>Information Sciences</i> , <b>2020</b> , 518, 142-156	7.7	14
410	A Lightweight Privacy-Preserving Authentication Protocol for VANETs. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 3547-3557	4.3	42
409	. <i>IEEE Systems Journal</i> , <b>2020</b> , 1-9	4.3	4
408	Secure Edge-Aided Computations for Social Internet-of-Things Systems. <i>IEEE Transactions on Computational Social Systems</i> , <b>2020</b> , 1-12	4.5	8
407	A Secure Identity-Based Three-Party Authenticated Key Agreement Protocol Using Bilinear Pairings. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2020</b> , 1-11	0.4	2
406	Implementation Study and Performances Evaluation of an 802.11ad Model Under NS-3. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 41-54	0.4	1
405	An enhanced mutual authentication and key establishment protocol for TMIS using chaotic map. <i>Journal of Information Security and Applications</i> , <b>2020</b> , 53, 102539	3.5	11
404	Selection of intermediate routes for secure data communication systems using graph theory application and grey wolf optimisation algorithm in MANETs. <i>IET Networks</i> , <b>2020</b> ,	2.8	46
403	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 6056-6068	10.7	17

402	An Efficient Elliptic Curve Cryptography-Based Without Pairing KPABE for Internet of Things. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 2154-2163	4.3	11
401	An approach for solving fully fuzzy multi-objective linear fractional optimization problems. <i>Soft Computing</i> , <b>2020</b> , 24, 9105-9119	3.5	12
400	ORCID: Opportunistic Reconnectivity for Network Management in the Presence of Dumb Nodes in Wireless Sensor Networks. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 9-16	4.3	1
399	PRATIT: a CNN-based emotion recognition system using histogram equalization and data augmentation. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 2285-2307	2.5	19
398	Statistical vertical reduction-based data abridging technique for big network traffic dataset. <i>International Journal of Communication Systems</i> , <b>2020</b> , 33, e4249	1.7	5
397	New Clustering-Based Semantic Service Selection and User Preferential Model. <i>IEEE Systems Journal</i> , <b>2020</b> , 1-9	4.3	50
396	BUA: A Blockchain-based Unlinkable Authentication in VANETs <b>2020</b> ,		14
395	An Efficient Robust Lightweight Remote User Authentication Protocol using Extended Chaotic Maps <b>2020</b> ,		3
394	SensOrch: QoS-Aware Resource Orchestration for Provisioning Sensors-as-a-Service <b>2020</b> ,		1
393	WmA-MiFN: A Weighted Majority and Auction Game Based Green Ultra-Dense Micro-Femtocell Network System. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 353-362	4.3	7
392	Loosely Coupled Cloud Robotic Framework for QoS-Driven Resource Allocation-Based Web Service Composition. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1245-1256	4.3	7
391	MEGAN: Multipurpose Energy-Efficient, Adaptable, and Low-Cost Wireless Sensor Node for the Internet of Things. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 144-151	4.3	17
390	Cache-Aware Computation Offloading in IoT Systems. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 61-72	4.3	15
389	A Secure Three-Factor User Authentication Protocol With Forward Secrecy for Wireless Medical Sensor Network Systems. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 39-50	4.3	74
388	PFCBAS: Pairing Free and Provable Certificate-Based Aggregate Signature Scheme for the e-Healthcare Monitoring System. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1704-1715	4.3	16
387	. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1195-1205	4.3	12
386	Efficient and Secure Anonymous Authentication With Location Privacy for IoT-Based WBANs. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 2603-2611	11.9	53
385	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 1947-1956	11.9	16

384	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 1352-1361	11.9	87
383	Efficient and secure content dissemination architecture for content centric network using ECC-based public key infrastructure. <i>Computer Communications</i> , <b>2020</b> , 157, 187-203	5.1	9
382	An Efficient EUF-ID-CMA Secure Identity-based Short Signature Scheme using Discrete Logarithm <b>2019</b> ,		1
381	WDM-MDM Silicon-Based Optical Switching for Data Center Networks <b>2019</b> ,		7
380	ElGamal cryptosystem-based secure authentication system for cloud-based IoT applications. <i>IET Networks</i> , <b>2019</b> , 8, 289-298	2.8	11
379	Security analysis on mutual authentication scheme for multimedia medical information systems <i>Security and Privacy</i> , <b>2019</b> , 2, e67	1.8	1
378	Efficient Network Resource Preallocation on Demand in Multitenant Cloud Systems. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 4027-4038	4.3	3
377	A novel security scheme for behavioral authentication systems based on keystroke dynamics. <i>Security and Privacy</i> , <b>2019</b> , 2, e64	1.8	11
376	An Energy Sensitive Computation Offloading Strategy in Cloud Robotic Network Based on GA. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3513-3523	4.3	11
375	A New Scheme for IoT Service Function Chains Orchestration in SDN-IoT Network Systems. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 4081-4092	4.3	11
374	A Secure Identity-based Deniable Authentication Protocol for MANETs <b>2019</b> ,		1
373	Analysis of Authentication System Based on Keystroke Dynamics <b>2019</b> ,		1
372	Dynamic switch migration with noncooperative game towards control plane scalability in SDN. <i>International Journal of Communication Systems</i> , <b>2019</b> , 32, e3927	1.7	5
371	Anomaly Detection Based on Spatio-Temporal and Sparse Features of Network Traffic in VANETs <b>2019</b> ,		3
370	AClog: Attack Chain Construction Based on Log Correlation <b>2019</b> ,		2
369	QUALITY OF SERVICE OPTIMIZATION IN AN IOT-DRIVEN INTELLIGENT TRANSPORTATION SYSTEM. <i>IEEE Wireless Communications</i> , <b>2019</b> , 26, 10-17	13.4	52
368	Advances in Key Stroke Dynamics-Based Security Schemes <b>2019</b> , 165-187		3
367	Resource-Optimized Multiarmed Bandit-Based Offload Path Selection in Edge UAV Swarms. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 4889-4896	10.7	25

366	A Lightweight and Provably Secure Key Agreement System for a Smart Grid With Elliptic Curve Cryptography. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 2830-2838	4-3	34
365	Internet of Things and Personalized Healthcare Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2019</b> ,	0-4	4
364	A New Detection and Prevention System for ARP Attacks Using Static Entry. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 2732-2738	4-3	6
363	M-MEMHS: Modified Minimization of Error in Multihop System for Localization of Unknown Sensor Nodes. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 215-225	4-3	3
362	Efficient and secure business model for content centric network using elliptic curve cryptography. <i>International Journal of Communication Systems</i> , <b>2019</b> , 32, e3839	1-7	13
361	Biometrics Based on Healthcare Sensors <b>2019</b> , 337-354		
360	Biometric Security and Internet of Things (IoT) <b>2019</b> , 477-509		13
359	Swarm intelligence-based radio resource management for V2V-based D2D communication. <i>International Journal of Communication Systems</i> , <b>2019</b> , 32, e3817	1-7	9
358	Duality-based branchBound computational algorithm for sum-of-linear-fractional multi-objective optimization problem. <i>Soft Computing</i> , <b>2019</b> , 23, 197-210	3-5	1
357	Quality-Assured Secured Load Sharing in Mobile Cloud Networking Environment. <i>IEEE Transactions on Cloud Computing</i> , <b>2019</b> , 7, 102-115	3-3	8
356	. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 289-300	4-3	2
355	RILoD: Reduction of Information Loss in a WSN System in the Presence of Dumb Nodes. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 336-344	4-3	1
354	LA-MHR: Learning Automata Based Multilevel Heterogeneous Routing for Opportunistic Shared Spectrum Access to Enhance Lifetime of WSN. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 313-323	4-3	39
353	. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 1514-1525	4-3	14
352	Learning Automata-Based Data Aggregation Tree Construction Framework for Cyber-Physical Systems. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 1467-1479	4-3	14
351	Bayesian Cooperative Coalition Game as a Service for RFID-Based Secure QoS Management in Mobile Cloud. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2018</b> , 6, 58-71	4-1	6
350	CFR: A cooperative link failure recovery scheme in software-defined networks. <i>International Journal of Communication Systems</i> , <b>2018</b> , 31, e3560	1-7	10
349	Deployment and validation of out of band IP traceback approach (OBTA) in wireless mesh network. <i>International Journal of Communication Systems</i> , <b>2018</b> , 31, e3580	1-7	1

348	A TAS-Model-Based Algorithm for Rule Redundancy Detection and Scene Scheduling in Smart Home Systems. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 3018-3029	4.3	3
347	Border Surveillance With WSN Systems in a Distributed Manner. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 3703-3712	4.3	45
346	. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 1862-1873	4.3	5
345	Chebyshev chaotic map-based ID-based cryptographic model using subtree and fuzzy-entity data sharing for public key cryptography. <i>Security and Privacy</i> , <b>2018</b> , 1, e12	1.8	9
344	Broadcast tree construction framework in tactile internet via dynamic algorithm. <i>Journal of Systems and Software</i> , <b>2018</b> , 136, 59-73	3.3	7
343	Web service discovery utilizing logical reasoning and semantic similarity. <i>International Journal of Communication Systems</i> , <b>2018</b> , 31, e3561	1.7	8
342	Smart mobility management in 5G heterogeneous networks. <i>IET Networks</i> , <b>2018</b> , 7, 119-128	2.8	16
341	A robust mutual authentication protocol for WSN with multiple base-stations. <i>Ad Hoc Networks</i> , <b>2018</b> , 75-76, 1-18	4.8	20
340	Situation-Aware Protocol Switching in Software-Defined Wireless Sensor Network Systems. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2353-2360	4.3	16
339	FMD: A DoS mitigation scheme based on flow migration in software-defined networking. <i>International Journal of Communication Systems</i> , <b>2018</b> , 31, e3543	1.7	8
338	Local Similarity Imputation Based on Fast Clustering for Incomplete Data in Cyber-Physical Systems. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 1610-1620	4.3	24
337	A Collaborative Filtering Recommendation-Based Scheme for WLANs With Differentiated Access Service. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 1004-1014	4.3	6
336	On the Effects of Communication Range Shrinkage of Sensor Nodes in Mobile Wireless Sensor Networks Due to Adverse Environmental Conditions. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2048-2055	4.3	5
335	Soft-WSN: Software-Defined WSN Management System for IoT Applications. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2074-2081	4.3	89
334	TSCA: A Temporal-Spatial Real-Time Charging Scheduling Algorithm for On-Demand Architecture in Wireless Rechargeable Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2018</b> , 17, 211-224	4.6	100
333	A 3D neural network for moving microorganism extraction. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 57-67	4.8	1
332	Novel Framework of Risk-Aware Virtual Network Embedding in Optical Data Center Networks. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2473-2482	4.3	48
331	Cryptography-Based Misbehavior Detection and Trust Control Mechanism for Opportunistic Network Systems. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 3191-3202	4.3	15



330	A robust and efficient password-based conditional privacy preserving authentication and group-key agreement protocol for VANETs. <i>Future Generation Computer Systems</i> , <b>2018</b> , 84, 216-227	7.5	93
329	A Cooperative Quality-Aware Service Access System for Social Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 2506-2517	10.7	195
328	DEMANDS: Distributed Energy Management Using Noncooperative Scheduling in Smart Grid. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2645-2653	4.3	13
327	An adaptive task allocation technique for green cloud computing. <i>Journal of Supercomputing</i> , <b>2018</b> , 74, 370-385	2.5	39
326	Proactive Decision Based Handoff Scheme for Cognitive Radio Networks <b>2018</b> ,		6
325	Design for Architecture and Router of 3D Free-Space Optical Network-on-Chip <b>2018</b> ,		3
324	Learning automaton-based self-protection algorithm for wireless sensor networks. <i>IET Networks</i> , <b>2018</b> , 7, 353-361	2.8	29
323	The Internet of Things Service Recommendation Based on Tripartite Graph with Mass Diffusion <b>2018</b> ,		2
322	Cooperative Radio Resources Allocation and Congestion Prevention Scheme for LTE-A. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 297-314	0.4	
321	Anonymous and expeditious mobile user authentication scheme for GLOMONET environments. <i>International Journal of Communication Systems</i> , <b>2018</b> , 31, e3461	1.7	5
320	Address resolution protocol spoofing attacks and security approaches: A survey. <i>Security and Privacy</i> , <b>2018</b> , 2, e49	1.8	3
319	Secure Authentication Protocol for 5G Enabled IoT Network <b>2018</b> ,		6
318	The Community Characteristic Based Controller Deployment Strategy for SDNs <b>2018</b> ,		1
317	Efficient online/offline IBSS protocol using partial discrete logarithm for WSNs. <i>IET Networks</i> , <b>2018</b> , 7, 363-367	2.8	11
316	. <i>IEEE Network</i> , <b>2018</b> , 32, 66-73	11.4	86
315	A comparative study and analysis of some pseudorandom number generator algorithms. <i>Security and Privacy</i> , <b>2018</b> , 1, e46	1.8	2
314	GTCCS: A Game Theoretical Collaborative Charging Scheduling for On-Demand Charging Architecture. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 12124-12136	6.8	24
313	Hybrid charging scheduling schemes for three-dimensional underwater wireless rechargeable sensor networks. <i>Journal of Systems and Software</i> , <b>2018</b> , 146, 42-58	3.3	9

312	On the placement of controllers in software-Defined-WAN using meta-heuristic approach. <i>Journal of Systems and Software</i> , <b>2018</b> , 145, 180-194	3-3	25
311	Distributed Home Energy Management System With Storage in Smart Grid Using Game Theory. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1857-1866	4-3	74
310	. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 2929-2938	4-3	12
309	. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1084-1093	4-3	88
308	Oceanic forces and their impact on the performance of mobile underwater acoustic sensor networks. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e2882	1-7	8
307	D3: distributed approach for the detection of dumb nodes in wireless sensor networks. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e2913	1-7	14
306	A pairing-free certificateless digital multisignature scheme using elliptic curve cryptography. <i>International Journal of Computer Mathematics</i> , <b>2017</b> , 94, 39-55	1-2	11
305	UCGNet: wireless sensor network-based active aquifer contamination monitoring and control system for underground coal gasification. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e2852	1-7	3
304	Authorship verification using deep belief network systems. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e3259	1-7	32
303	Design of a Certificateless Designated Server Based Searchable Public Key Encryption Scheme. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 3-15	0-3	9
302	A Deep Learning Based Artificial Neural Network Approach for Intrusion Detection. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 44-53	0-3	54
301	A robust ElGamal-based password-authentication protocol using smart card for client-server communication. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e3242	1-7	26
300	Designing and Prototyping Utility Management Using Hybrid Wireless-Wired Network Technologies <b>2017</b> ,		1
299	Social-Oriented Adaptive Transmission in Opportunistic Internet of Smartphones. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 810-820	11-9	77
298	An anonymous and robust multi-server authentication protocol using multiple registration servers. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e3457	1-7	8
297	QoS prediction method for data supply chain based on context <b>2017</b> ,		1
296	Time efficient dynamic threshold-based load balancing technique for Cloud Computing <b>2017</b> ,		9
295	Genetic algorithm and probability based routing protocol for Opportunistic Networks <b>2017</b> ,		3

294	Application of Deep Learning to Sentiment Analysis for recommender system on cloud <b>2017</b> ,		27
293	An efficient learning automata based task offloading in mobile cloud computing environments <b>2017</b> ,		9
292	Monitoring the status of iBeacons with crowd sensing <b>2017</b> ,		1
291	Learning automata based optimized multipath routing using leapfrog algorithm for VANETs <b>2017</b> ,		12
290	Supernova and Hypernova Misbehavior Detection Scheme for Opportunistic Networks <b>2017</b> ,		2
289	An altruism-based trust-dependent message forwarding protocol for opportunistic networks. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e3232	1.7	10
288	Constructing data supply chain based on layered PROV. <i>Journal of Supercomputing</i> , <b>2017</b> , 73, 1509-1531	2.5	5
287	SecHealth: An Efficient Fog Based Sender Initiated Secure Data Transmission of Healthcare Sensors for e-Medical System <b>2017</b> ,		7
286	Towards an incentive-compatible, reputation-based framework for stimulating cooperation in opportunistic networks: a survey. <i>IET Networks</i> , <b>2017</b> , 6, 169-178	2.8	20
285	Deadline-constraint services in cloud with heterogeneous servers <b>2017</b> ,		1
284	Energy-Efficient Prophet-PRoWait-EDR Protocols for Opportunistic Networks <b>2017</b> ,		9
283	A Hash-Based Distributed Storage Strategy of FlowTables in SDN-IoT Networks <b>2017</b> ,		5
282	Effects of Wind-Induced Near-Surface Bubble Plumes on the Performance of Underwater Wireless Acoustic Sensor Networks. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 4092-4099	4	3
281	A new multi-rat scheduling algorithm for heterogeneous wireless networks. <i>Journal of Systems and Software</i> , <b>2016</b> , 115, 174-184	3.3	2
280	. <i>IEEE Systems Journal</i> , <b>2016</b> , 10, 628-636	4.3	22
279	Sequential detection and average sample number for cognitive radio with multiple primary transmit power levels <b>2016</b> ,		2
278	Learning automata based decision making algorithm for task offloading in mobile cloud <b>2016</b> ,		10
277	A distributed coverage optimization and connectivity maintenance strategy based on unknown sensors in WSN <b>2016</b> ,		2

276	Security analysis and design of an efficient ECC-based two-factor password authentication scheme. <i>Security and Communication Networks</i> , <b>2016</b> , 9, 4166-4181	1.9	28
275	Flexible call admission control with preemption in LTE networks <b>2016</b> ,		5
274	GTCharge: A game theoretical collaborative charging scheme for wireless rechargeable sensor networks. <i>Journal of Systems and Software</i> , <b>2016</b> , 121, 88-104	3.3	43
273	A priority based message forwarding scheme for Opportunistic Networks <b>2016</b> ,		6
272	Impact of hardware impairment on spectrum underlay cognitive multiple relays network <b>2016</b> ,		8
271	An anonymous and provably secure authentication scheme for mobile user. <i>International Journal of Communication Systems</i> , <b>2016</b> , 29, 1529-1544	1.7	22
270	Multilayered Impact Evaluation Model for Attacking Missions. <i>IEEE Systems Journal</i> , <b>2016</b> , 10, 1304-1315	4.3	9
269	Clustering and splitting charging algorithms for large scaled wireless rechargeable sensor networks. <i>Journal of Systems and Software</i> , <b>2016</b> , 113, 381-394	3.3	51
268	Learning Automata-Based Channel Reservation Scheme to Enhance QoS in Vehicular Adhoc Networks <b>2016</b> ,		3
267	Mobility-Aware Flow-Table Implementation in Software-Defined IoT <b>2016</b> ,		11
266	Efficient Bandwidth Call Admission Control in 3GPP LTE Networks <b>2016</b> ,		2
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264	MREA: a minimum resource expenditure node capture attack in wireless sensor networks. <i>Security and Communication Networks</i> , <b>2016</b> , 9, 5502-5517	1.9	12
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260	Graph colouring technique for efficient channel allocation in cognitive radio networks <b>2016</b> ,		6
259	User admission maximization based on resource allocation in wireless networks <b>2016</b> ,		2

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251	Evolutionary algorithms for wireless network resource allocation <b>2015</b> , 629-652		1
250	Radio resource management for heterogeneous wireless networks <b>2015</b> , 767-792		5
249	Formal methods of attack modeling and detection <b>2015</b> , 841-860		
248	AID: A prototype for Agricultural Intrusion Detection using Wireless Sensor Network <b>2015</b> ,		14
247	Wireless Body Area Networks with varying traffic in epidemic medical emergency situation <b>2015</b> ,		12
246	Wormhole prevention using COTA mechanism in position based environment over MANETs <b>2015</b> ,		3
245	Smart-Evac: Big Data-Based Decision Making for Emergency Evacuation. <i>IEEE Cloud Computing</i> , <b>2015</b> , 2, 58-65		8
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243	All-in-one binary word solution for IP traceback in Wireless Mesh Network <b>2015</b> ,		2
242	Learning automaton based context oriented middleware architecture for precision agriculture <b>2015</b> ,		1
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225	Markov model-based adaptive CAC scheme for 3GPP LTE femtocell networks <b>2015</b> ,		6
224	An ID-based Quadratic-Exponentiation Randomized Cryptographic scheme <b>2015</b> ,		9
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207	Secure micro mobility protocol for new generation wireless network <b>2014</b> ,		2
206	Secure macro mobility protocol for new generation access network <b>2014</b> ,		2
205	Power and Delay-aware Multi-Path Routing Protocol for Ad Hoc Networks <b>2014</b> ,		7

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196	Call admission control and adaptive bandwidth management approach for HWNs <b>2014</b> ,		4
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181	Biometric Authentication Using Mouse Gesture Dynamics. <i>IEEE Systems Journal</i> , <b>2013</b> , 7, 262-274	4.3	43
180	Dynamic relay selection for MAC-level retransmission in Vehicular Ad Hoc Networks <b>2013</b> ,		2
179	A joint call admission control-based approach for initial RAT selection in HetNets <b>2013</b> ,		2
178	Energized geocasting model for underwater wireless sensor networks. <i>Simulation Modelling Practice and Theory</i> , <b>2013</b> , 37, 125-138	3.9	9
177	Using Ant Colony Agents for Designing Energy-Efficient Protocols for Wireless Ad Hoc and Sensor Networks <b>2013</b> , 611-629		1
176	Green Computing and Communication Architecture <b>2013</b> , 209-227		3
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174	Learning Automata Based Sentiment Analysis for recommender system on cloud <b>2013</b> ,		26
173	Re-authentication protocol from WLAN to LTE (ReP WLAN-LTE) <b>2013</b> ,		4
172	MOCLO: A Cloud Framework for Mobile Devices <b>2013</b> ,		2
171	A web-based integrated environment for simulation and analysis with NS-2. <i>IEEE Wireless Communications</i> , <b>2013</b> , 20, 109-115	13.4	6
170	An ant-swarm inspired energy-efficient ad hoc on-demand routing protocol for mobile ad hoc networks <b>2013</b> ,		12
169	A fault-tolerant routing protocol for dynamic autonomous unmanned vehicular networks <b>2013</b> ,		4

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158	Combining Mouse and Keystroke Dynamics Biometrics for Risk-Based Authentication in Web Environments <b>2012</b> ,		36
157	<b>2012</b> ,		13
156	An adaptive learning approach for fault-tolerant routing in Internet of Things <b>2012</b> ,		15
155	Multimedia P2P networking: Protocols, solutions and future directions. <i>Peer-to-Peer Networking and Applications</i> , <b>2012</b> , 5, 309-311	3.1	2
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151	Feedback Suppression in Multicast Satellite Networks Using Game Theory. <i>IEEE Systems Journal</i> , <b>2012</b> , 6, 657-666	4.3	18

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149	Traffic optimization through information dissemination <b>2012,</b>			2
148	GROOV: A geographic routing over VANETs and its performance evaluation <b>2012,</b>			9
147	Principles of Wireless Sensor Networks <b>2012,</b>			19
146	Fundamentals and Issues with Cooperation in Networking <b>2011,</b> 7-20			
145	Adaptive wireless networks using learning automata. <i>IEEE Wireless Communications</i> , <b>2011</b> , 18, 75-81	13.4		42
144	Design and Implementation of a Fault Tolerant Multiple Master Cloud Computing System <b>2011,</b>			2
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142	Optical Switching Techniques in WDM Optical Networks <b>2011,</b> 909-928			2
141	Security and Privacy in Pervasive Networks <b>2011,</b> 159-173			4
140	Smart Devices, Systems and Intelligent Environments <b>2011,</b> 203-217			
139	Wavelength Division Multiplexing <b>2011,</b> 606-626			
138	FACES: Friend-Based Ad Hoc Routing Using Challenges to Establish Security in MANETs Systems. <i>IEEE Systems Journal</i> , <b>2011</b> , 5, 176-188	4.3		30
137	Dynamic adaptation of response-time models for QoS management in autonomic systems. <i>Journal of Systems and Software</i> , <b>2011</b> , 84, 810-820	3.3		5
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133	Multi-Path Trust-Based Secure AOMDV Routing in Ad Hoc Networks <b>2011,</b>			1

132	A Learning Automata Based Solution for Preventing Distributed Denial of Service in Internet of Things <b>2011</b> ,		51
131	An efficient technique for geocast region holes in underwater sensor networks and its performance evaluation. <i>Simulation Modelling Practice and Theory</i> , <b>2011</b> , 19, 2102-2116	3-9	7
130	Optimizing Energy through Parabola Based Routing in Underwater Sensor Networks <b>2011</b> ,		6
129	<b>2010</b> ,		22
128	Simulation Software and Case Studies <b>2010</b> , 377-433		
127	A Novel Adaptive Mapping Scheme for IEEE 802.16 Mobile Downlink Framing <b>2010</b> ,		5
126	Contention Resolution for Transmission Control Protocol over Optical Burst-Switching Networks Using Random Segment Dropping. <i>Simulation</i> , <b>2010</b> , 86, 217-227	1.2	2
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124	Detection of Identity-Based Attacks in Wireless Sensor Networks Using Signalprints <b>2010</b> ,		12
123	A novel Geocast technique with hole detection in underwater sensor networks <b>2010</b> ,		15
122	Random early detection for congestion avoidance in wired networks: a discretized pursuit learning-automata-like solution. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2010</b> , 40, 66-76		58
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120	A reactive Optimized Link State Routing protocol for Mobile ad hoc networks <b>2010</b> ,		5
119	Markov decision process-based analysis of rechargeable nodes in wireless sensor networks <b>2010</b> ,		7
118	Analysis of Simulation Results <b>2010</b> , 353-376		
117	Measurement/Testing Technique <b>2010</b> , 66-77		
116	Securing vehicular networks: A reputation and plausibility checks-based approach <b>2010</b> ,		8
115	IGFS: A New MAC Protocol Exploiting Heterogeneous Propagation Delays in the Dynamic Bandwidth Allocation on WDM-EPON. <i>IEEE Systems Journal</i> , <b>2010</b> , 4, 49-56	4-3	16

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97	Adaptive learning solution for congestion avoidance in wireless sensor networks <b>2009</b> ,		8

96	Fairness and throughput optimization in wireless mesh networks <b>2009</b> ,		1
95	Trust management in opportunistic pervasive healthcare systems <b>2009</b> ,		5
94	Simulating Peer-to-Peer networks <b>2009</b> ,		3
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