Neal N. Xiong

List of Publications by Citations

648 papers	10,755 citations	52 h-index	76 g-index
733 ext. papers	13,995 ext. citations	4.1 avg, IF	7.23 L-index

#	Paper	IF	Citations
648	Steganalysis of LSB matching using differences between nonadjacent pixels. *Multimedia Tools and Applications*, **2016**, 75, 1947-1962	2.5	296
647	A game-theoretic method of fair resource allocation for cloud computing services. *Journal of Supercomputing*, **2010**, 54, 252-269	2.5	285
646	VMPlanner: Optimizing virtual machine placement and traffic flow routing to reduce network power costs in cloud data centers. *Computer Networks*, **2013**, 57, 179-196	5.4	187
645	Data prediction, compression, and recovery in clustered wireless sensor networks for environmental monitoring applications. *Information Sciences*, **2016**, 329, 800-818	7.7	153
644	. *IEEE Journal on Selected Areas in Communications*, **2009**, 27, 495-509	14.2	142
643	4S: A secure and privacy-preserving key management scheme for cloud-assisted wireless body area network in m-healthcare social networks. *Information Sciences*, **2015**, 314, 255-276	7.7	131
642	TPGF: geographic routing in wireless multimedia sensor networks. *Telecommunication Systems*, **2010**, 44, 79-95	2.3	116
641	EPCBIR: An efficient and privacy-preserving content-based image retrieval scheme in cloud computing. *Information Sciences*, **2017**, 387, 195-204	7.7	111
640	A novel chaotic based image encryption using a hybrid model of deoxyribonucleic acid and cellular automata. *Optics and Lasers in Engineering*, **2015**, 71, 33-41	4.6	106
639	Nodes organization for channel assignment with topology preservation in multi-radio wireless mesh networks. *Ad Hoc Networks*, **2012**, 10, 760-773	4.8	106
638	Robust Cyber?Physical Systems: Concept, models, and implementation. *Future Generation Computer Systems*, **2016**, 56, 449-475	7.5	105
637	A Pretreatment Workflow Scheduling Approach for Big Data Applications in Multicloud Environments. *IEEE Transactions on Network and Service Management*, **2016**, 13, 581-594	4.8	96
636	Energy-efficient node scheduling algorithms for wireless sensor networks using Markov Random Field model. *Information Sciences*, **2016**, 329, 461-477	7.7	95
635	QTSAC: An Energy-Efficient MAC Protocol for Delay Minimization in Wireless Sensor Networks. *IEEE Access*, **2018**, 6, 8273-8291	3.5	92
634	Context-Aware Middleware for Multimedia Services in Heterogeneous Networks. *IEEE Intelligent Systems*, **2010**, 25, 40-47	4.2	92
633	. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 4591-4601	11.9	91
632	A Time-Driven Data Placement Strategy for a Scientific Workflow Combining Edge Computing and Cloud Computing. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 4254-4265	11.9	91

631	A Stochastic Control Approach to Maximize Profit on Service Provisioning for Mobile Cloudlet Platforms. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 522-534	7.3	90
630	Context-aware QoS prediction for web service recommendation and selection. *Expert Systems With Applications*, **2016**, 53, 75-86	7.8	87
629	A novel code data dissemination scheme for Internet of Things through mobile vehicle of smart cities. *Future Generation Computer Systems*, **2019**, 94, 351-367	7.5	87
628	Design and Analysis of Multimodel-Based Anomaly Intrusion Detection Systems in Industrial Process Automation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 1345-1360	7.3	86
627	Design and Analysis of Probing Route to Defense Sink-Hole Attacks for Internet of Things Security. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 356-372	4.9	83
626	. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 2497-2506	11.9	77
625	Colbar: A collaborative location-based regularization framework for QoS prediction. *Information Sciences*, **2014**, 265, 68-84	7.7	77
624	Delegated Proof of Stake With Downgrade: A Secure and Efficient Blockchain Consensus Algorithm With Downgrade Mechanism. *IEEE Access*, **2019**, 7, 118541-118555	3.5	76
623	Multimodel-Based Incident Prediction and Risk Assessment in Dynamic Cybersecurity Protection for Industrial Control Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 46, 1429-1444	7.3	75
622	Post-cloud computing paradigms: a survey and comparison. *Tsinghua Science and Technology*, **2017**, 22, 714-732	3.4	75
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620	An Efficient Intrusion Detection Approach for Visual Sensor Networks Based on Traffic Pattern Learning. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2704-2713	7.3	71
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617	Improved clustering algorithm based on energy consumption in wireless sensor networks. *IET Networks*, **2017**, 6, 47-53	2.8	68
616	A Kernel-Based Compressive Sensing Approach for Mobile Data Gathering in Wireless Sensor Network Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2315-2327	7.3	68
615	BD-VTE: A Novel Baseline Data Based Verifiable Trust Evaluation Scheme for Smart Network Systems. *IEEE Transactions on Network Science and Engineering*, **2020**, 1-1	4.9	68
614	A general hybrid model for chaos robust synchronization and degradation reduction. *Information Sciences*, **2015**, 305, 146-164	7.7	67

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607	A Low-Latency Communication Scheme for Mobile Wireless Sensor Control Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 317-332	7.3	62
606	. *IEEE Transactions on Parallel and Distributed Systems*, **2010**, 21, 1254-1266	3.7	61
605	Data Security and Privacy Protection for Cloud Storage: A Survey. *IEEE Access*, **2020**, 8, 131723-131740	3.5	60
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603	A structure fidelity approach for big data collection in wireless sensor networks. *Sensors*, **2014**, 15, 248-73	3.8	58
602	An Adaptive Collection Scheme-Based Matrix Completion for Data Gathering in Energy-Harvesting Wireless Sensor Networks. *IEEE Access*, **2019**, 7, 6703-6723	3.5	58
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587	A Robust Watermarking Scheme in YCbCr Color Space Based on Channel Coding. *IEEE Access*, **2019**, 7, 25026-25036	3.5	48
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