

# Naveed Ul Hassan

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,791  
citations

430874

18  
h-index

454955

30  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2390  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | A Survey on Radio Resource Allocation in Cognitive Radio Sensor Networks. IEEE Communications Surveys and Tutorials, 2015, 17, 888-917.   | 39.4 | 224       |
| 2  | Peak-to-Average Ratio Constrained Demand-Side Management With Consumer's Preference in Residential Smart Grid. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 1084-1097.  | 10.8 | 179       |
| 3  | Energy Efficiency Tradeoff Mechanism Towards Wireless Green Communication: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 686-705.  | 39.4 | 166       |
| 4  | Indoor Positioning Using Visible LED Lights. ACM Computing Surveys, 2015, 48, 1-32.   | 23.0 | 156       |
| 5  | Electric Vehicle Charging Station Placement for Urban Public Bus Systems. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 128-139.   | 8.0  | 132       |
| 6  | Electricity Cost Minimization for a Microgrid With Distributed Energy Resource Under Different Information Availability. IEEE Transactions on Industrial Electronics, 2015, 62, 2571-2583.  | 7.9  | 126       |
| 7  | Blockchain Technologies for Smart Energy Systems: Fundamentals, Challenges, and Solutions. IEEE Industrial Electronics Magazine, 2019, 13, 106-118.   | 2.6  | 107       |
| 8  | Understanding Customer Behavior in Multi-Tier Demand Response Management Program. IEEE Access, 2015, 3, 2613-2625.  | 4.2  | 89        |
| 9  | Demand Response Management for Residential Smart Grid: From Theory to Practice. IEEE Access, 2015, 3, 2431-2440.  | 4.2  | 81        |
| 10 | Customer Engagement Plans for Peak Load Reduction in Residential Smart Grids. IEEE Transactions on Smart Grid, 2015, 6, 3029-3041.  | 9.0  | 74        |
| 11 | Power Control for Sum-Rate Maximization on Interference Channels Under Sum Power Constraint. IEEE Transactions on Vehicular Technology, 2015, 64, 593-609.  | 6.3  | 67        |
| 12 | Impact of Scheduling Flexibility on Demand Profile Flatness and User Inconvenience in Residential Smart Grid System. Energies, 2013, 6, 6608-6635.  | 3.1  | 52        |
| 13 | Blockchain and 6G: The Future of Secure and Ubiquitous Communication. IEEE Wireless Communications, 2022, 29, 194-201.  | 9.0  | 38        |
| 14 | Framework for minimum user participation rate determination to achieve specific demand response management objectives in residential smart grids. International Journal of Electrical Power and Energy Systems, 2016, 74, 91-103. | 5.5  | 31        |
| 15 | Low complexity margin adaptive resource allocation in downlink MIMO-OFDMA system. IEEE Transactions on Wireless Communications, 2009, 8, 3365-3371.   | 9.2  | 29        |
| 16 | An Ontology-Based Framework for Building Energy Management with IoT. Electronics (Switzerland), 2019, 8, 485.   | 3.1  | 20        |
| 17 | Grid Load Reduction through Optimized PV Power Utilization in Intermittent Grids Using a Low-Cost Hardware Platform. Energies, 2019, 12, 1764.  | 3.1  | 20        |
| 18 | Management of Renewable Energy for a Shared Facility Controller in Smart Grid. IEEE Access, 2016, 4, 4269-4281.   | 4.2  | 19        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Joint Power Control and Rate Adaptation for Video Streaming in Wireless Networks With Time-Varying Interference. IEEE Transactions on Vehicular Technology, 2016, 65, 6315-6329.                     | 6.3 | 18        |
| 20 | Optimal Operation of Energy Storage with Random Renewable Generation and AC/DC Loads. IEEE Transactions on Smart Grid, 2016, , 1-1.  | 9.0 | 15        |
| 21 | Demand shaping to achieve steady electricity consumption with load balancing in a smart grid. , 2013, , .  |     | 13        |
| 22 | Determination of consumer behavior based energy wastage using IoT and machine learning. Energy and Buildings, 2020, 220, 110060.   | 6.7 | 13        |
| 23 | Age of Information Aware Content Resale Mechanism With Edge Caching. IEEE Transactions on Communications, 2021, 69, 5269-5282.   | 7.8 | 12        |
| 24 | Electricity cost minimization for a residential smart Grid with distributed generation and bidirectional power transactions. , 2013, , .   |     | 10        |
| 25 | Cost-aware demand scheduling for delay tolerant applications. Journal of Network and Computer Applications, 2015, 53, 173-182.   | 9.1 | 10        |
| 26 | Optimal power control and antenna selection for Multi-User Distributed Antenna System with heterogeneous QoS constraints. , 2012, , .  |     | 9         |
| 27 | Exploiting QoS flexibility for smart grid and IoT applications using TV white spaces. , 2017, , .  |     | 8         |
| 28 | Smart Distribution Boards (Smart DB), Non-Intrusive Load Monitoring (NILM) for Load Device Appliance Signature Identification and Smart Sockets for Grid Demand Management. Sensors, 2020, 20, 2900. | 3.8 | 8         |
| 29 | Towards Small Aol and Low Latency via Operator Content Platform: A Contract Theory-Based Pricing. IEEE Transactions on Communications, 2022, 70, 366-378.  | 7.8 | 8         |
| 30 | Managing energy consumption in buildings through offline and online control of HVAC systems. , 2016, , .   |     | 7         |
| 31 | Optimal power control between two opportunistic cooperative base stations. , 2012, , .   |     | 6         |
| 32 | Migration-aware virtual machine placement for cloud data centers. , 2015, , .  |     | 6         |
| 33 | Downlink beamforming and resource allocation in multicell MISO-OFDMA systems. Transactions on Emerging Telecommunications Technologies, 2014, 25, 173-182.   | 3.9 | 4         |
| 34 | LED-based Visible Light Communication System for Low Data Rate Point-and-Grab Applications. , 2015, , .  |     | 4         |
| 35 | Energy management by controlling air conditioning systems in residential settings. , 2016, , .   |     | 4         |
| 36 | Design of Solar-Wind Hybrid Power System by using Solar-Wind Complementarity. , 2020, , .  |     | 4         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Optimal Downlink Beamforming and resource allocation in MIMO-OFDMA systems. , 2010, , .  |     | 3         |
| 38 | Hybrid Iterative Algorithm for Non-Intrusive Load Disaggregation. , 2018, , .  |     | 3         |
| 39 | Data Driven Model for Performance Evaluation and Anomaly Detection in Integrated Air Source Heat Pump Operation. , 2019, , .                         |     | 3         |
| 40 | Adaptive Resource Allocation with Strict Delay Constraints in OFDMA System. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, . | 2.4 | 2         |
| 41 | Multi-tier incentive scheme for residential customer participation in demand response management programs. , 2015, , .                               |     | 2         |
| 42 | Green Communications in Smart Cities. Electronics (Switzerland), 2019, 8, 773.   | 3.1 | 2         |
| 43 | Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. IEEE Access, 2022, 10, 48301-48317.                                  | 4.2 | 2         |
| 44 | Have We Solved Edge Detection? A Review of State-of-the-Art Datasets and DNN Based Techniques. IEEE Access, 2022, 10, 70541-70552.                   | 4.2 | 2         |
| 45 | Optimal operation of energy storage with random renewable generation and AC/DC loads. , 2016, , .  |     | 1         |
| 46 | Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks. , 2019, , .                       |     | 1         |
| 47 | A Guide for RIS Fabrication for Quick Prototyping in Lab Settings Using Low Cost Fabrication Techniques. , 2021, , .                                 |     | 1         |
| 48 | Resource optimization to achieve hard delay constraints in OFDMA systems. , 2012, , .  |     | 0         |
| 49 | QoS improvement strategies for macrocell edge users using femtocells. , 2012, , .  |     | 0         |
| 50 | Streaming Delay-, Expenditure- and Quality-Balanced Video Over TV White Space. IEEE Transactions on Vehicular Technology, 2020, 69, 4042-4057.       | 6.3 | 0         |