

Raed Y Mesleh

List of Publications by Year in descending order

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164
papers

9,341
citations

136740

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h-index

56606

83
g-index

166
all docs

166
docs citations

166
times ranked

3848
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Spatial Modulation. IEEE Transactions on Vehicular Technology, 2008, 57, 2228-2241. | 3.9 | 2,123 |
| 2 | Indoor optical wireless communication: potential and state-of-the-art. , 2011, 49, 56-62. | | 1,026 |
| 3 | Index Modulation Techniques for Next-Generation Wireless Networks. IEEE Access, 2017, 5, 16693-16746. | 2.6 | 622 |
| 4 | Generalised spatial modulation. , 2010, , . | | 492 |
| 5 | Quadrature Spatial Modulation. IEEE Transactions on Vehicular Technology, 2015, 64, 2738-2742. | 3.9 | 481 |
| 6 | Indoor broadcasting via white LEDs and OFDM. IEEE Transactions on Consumer Electronics, 2009, 55, 1127-1134. | 3.0 | 278 |
| 7 | Optical Spatial Modulation. Journal of Optical Communications and Networking, 2011, 3, 234. | 3.3 | 254 |
| 8 | Trellis Coded Spatial Modulation. IEEE Transactions on Wireless Communications, 2010, 9, 2349-2361. | 6.1 | 235 |
| 9 | Practical Implementation of Spatial Modulation. IEEE Transactions on Vehicular Technology, 2013, 62, 4511-4523. | 3.9 | 229 |
| 10 | On the Performance of Different OFDM Based Optical Wireless Communication Systems. Journal of Optical Communications and Networking, 2011, 3, 620. | 3.3 | 195 |
| 11 | An LED Model for Intensity-Modulated Optical Communication Systems. IEEE Photonics Technology Letters, 2010, 22, 835-837. | 1.3 | 164 |
| 12 | Generalised Sphere Decoding for Spatial Modulation. IEEE Transactions on Communications, 2013, 61, 2805-2815. | 4.9 | 157 |
| 13 | Fractional bit encoded spatial modulation (FBE-SM). IEEE Communications Letters, 2010, 14, 429-431. | 2.5 | 156 |
| 14 | New challenges in wireless and free space optical communications. Optics and Lasers in Engineering, 2017, 89, 95-108. | 2.0 | 152 |
| 15 | OFDM Visible Light Wireless Communication Based on White LEDs. IEEE Vehicular Technology Conference, 2007, , . | 0.2 | 146 |
| 16 | Non-linearity effects and predistortion in optical OFDM wireless transmission using LEDs. International Journal of Ultra Wideband Communications and Systems, 2009, 1, 143. | 0.0 | 139 |
| 17 | Indoor MIMO Optical Wireless Communication Using Spatial Modulation. , 2010, , . | | 104 |
| 18 | LED Nonlinearity Mitigation Techniques in Optical Wireless OFDM Communication Systems. Journal of Optical Communications and Networking, 2012, 4, 865. | 3.3 | 95 |

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| 19 | A study of LED nonlinearity effects on optical wireless transmission using OFDM. , 2009, , . | | 87 |
| 20 | Performance Analysis of Space Shift Keying with Amplify and Forward Relaying. IEEE Communications Letters, 2011, 15, 1350-1352. | 2.5 | 79 |
| 21 | On the Performance of Spatial Modulation OFDM. , 2006, , . | | 69 |
| 22 | A General Framework for Performance Analysis of Space Shift Keying (SSK) Modulation in the Presence of Gaussian Imperfect Estimations. IEEE Communications Letters, 2012, 16, 228-230. | 2.5 | 69 |
| 23 | Performance analysis of space shift keying (SSK) modulation with multiple cooperative relays. Eurasip Journal on Advances in Signal Processing, 2012, 2012, . | 1.0 | 66 |
| 24 | Reduced Complexity Sphere Decoder for Spatial Modulation Detection Receivers. , 2010, , . | | 65 |
| 25 | Transmitter Design and Hardware Considerations for Different Space Modulation Techniques. IEEE Transactions on Wireless Communications, 2017, 16, 7512-7522. | 6.1 | 65 |
| 26 | Sphere Decoding for Spatial Modulation. , 2011, , . | | 63 |
| 27 | Quadrature Spatial Modulation for 5G Outdoor Millimeter-Wave Communications: Capacity Analysis. IEEE Transactions on Wireless Communications, 2017, 16, 2882-2890. | 6.1 | 55 |
| 28 | Performance Analysis of Spatial Modulation with Multiple Decode and Forward Relays. IEEE Wireless Communications Letters, 2013, 2, 423-426. | 3.2 | 54 |
| 29 | Quadrature Spatial Modulation Performance Over Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 10227-10231. | 3.9 | 52 |
| 30 | Spatial Modulation Applied to Optical Wireless Communications in Indoor LOS Environments. , 2011, , . | | 49 |
| 31 | A Novel Uplink Multiple Access Technique Based on Index-Modulation Concept. IEEE Transactions on Communications, 2019, 67, 4848-4855. | 4.9 | 46 |
| 32 | Performance analysis of MISO multi-hop FSO links over log-normal channels with fog and beam divergence attenuations. Optics Communications, 2015, 334, 247-252. | 1.0 | 44 |
| 33 | Generalized space modulation techniques: Hardware design and considerations. Physical Communication, 2018, 26, 87-95. | 1.2 | 44 |
| 34 | Predistortion in Optical Wireless Transmission Using OFDM. , 2009, , . | | 42 |
| 35 | Diversity techniques for a free-space optical communication system in correlated log-normal channels. Optical Engineering, 2014, 53, 016102. | 0.5 | 42 |
| 36 | Performance of Quadrature Spatial Modulation in Amplify-and-Forward Cooperative Relaying. IEEE Communications Letters, 2016, 20, 240-243. | 2.5 | 41 |

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| 37 | Differential Quadrature Spatial Modulation. IEEE Transactions on Communications, 2017, 65, 3810-3817. | 4.9 | 41 |
| 38 | Performance Analysis of Spatial Modulation and Space-Shift Keying With Imperfect Channel Estimation Over Generalized μ -Fading Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 88-96. | 3.9 | 40 |
| 39 | A Comprehensive Framework for Quadrature Spatial Modulation in Generalized Fading Scenarios. IEEE Transactions on Communications, 2016, 64, 2961-2970. | 4.9 | 38 |
| 40 | On the SIR of a cellular infrared optical wireless system for an aircraft. IEEE Journal on Selected Areas in Communications, 2009, 27, 1623-1638. | 9.7 | 35 |
| 41 | Performance of Optical Spatial Modulation with Transmitters-Receiver Alignment. IEEE Communications Letters, 2011, 15, 79-81. | 2.5 | 32 |
| 42 | Information-Theoretic Treatment of Space Modulation MIMO Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 6960-6969. | 3.9 | 30 |
| 43 | Differential Subcarrier Index Modulation. IEEE Transactions on Vehicular Technology, 2018, 67, 7429-7436. | 3.9 | 29 |
| 44 | IM-OFDMA: A Novel Spectral Efficient Uplink Multiple Access Based on Index Modulation. IEEE Transactions on Vehicular Technology, 2019, 68, 10315-10319. | 3.9 | 29 |
| 45 | Quadrature spatial modulation performance analysis and impact of imperfect channel knowledge. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2905. | 2.6 | 26 |
| 46 | Diversity analysis of simultaneous mmWave and free-space-optical transmission over F -distribution channel models. Journal of Optical Communications and Networking, 2020, 12, 324. | 3.3 | 26 |
| 47 | Space shift keying with amplify-and-forward MIMO relaying. Transactions on Emerging Telecommunications Technologies, 2015, 26, 520-531. | 2.6 | 25 |
| 48 | Index Modulation for Cluster-Based Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6943-6950. | 3.9 | 25 |
| 49 | On the impact of imperfect channel knowledge on the performance of quadrature spatial modulation. , 2015, , . | | 24 |
| 50 | BER Performance of Spatial Modulation Systems Under 3-D V2V MIMO Channel Models. IEEE Transactions on Vehicular Technology, 2016, 65, 5725-5730. | 3.9 | 24 |
| 51 | Performance Analysis of Multiple-Relay Cooperative Systems With Signal Space Diversity. IEEE Transactions on Vehicular Technology, 2015, 64, 3414-3425. | 3.9 | 23 |
| 52 | A Reconfigurable SDR Transmitter Platform Architecture for Space Modulation MIMO Techniques. IEEE Access, 2017, 5, 24214-24228. | 2.6 | 22 |
| 53 | On the Effect of Gaussian Imperfect Channel Estimations on the Performance of Space Modulation Techniques. , 2012, , . | | 21 |
| 54 | A Bit-to-Symbol Mapping Scheme for Spatial Modulation With Partial Channel State Information. IEEE Communications Letters, 2017, 21, 995-998. | 2.5 | 21 |

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| 55 | Quadrature Index Modulation Based Multiple Access Scheme for 5G and Beyond. IEEE Communications Letters, 2019, 23, 2257-2261. | 2.5 | 21 |
| 56 | Cooperative Dual-Hop Wireless Communication Systems With Beamforming Over β - η Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 37-46. | 3.9 | 20 |
| 57 | Enhancing Spatial Modulation System Performance Through Signal Space Diversity. IEEE Communications Letters, 2018, 22, 1136-1139. | 2.5 | 19 |
| 58 | Random Waypoint Mobility Model in Space Modulation Systems. IEEE Communications Letters, 2019, 23, 884-887. | 2.5 | 19 |
| 59 | Impact of Channel Imperfections on Spatial Modulation OFDM. , 2007, , . | | 18 |
| 60 | Performance analysis of indoor OFDM optical wireless communication systems. , 2012, , . | | 18 |
| 61 | Impact of IQ imbalance on the performance of QSM multiple-input-multiple-output system. IET Communications, 2016, 10, 2391-2395. | 1.5 | 18 |
| 62 | Optical Wireless OFDM System on FPGA: Study of LED Nonlinearity Effects. , 2011, , . | | 17 |
| 63 | Energy Efficient Quadrature Spatial Modulation MIMO Cognitive Radio Systems with Imperfect Channel Estimation. , 2015, , . | | 17 |
| 64 | Impact of LED nonlinearities on optical wireless OFDM systems. , 2010, , . | | 16 |
| 65 | A low-interference decision-gathering scheme for critical event detection in clustered wireless sensor network. Physical Communication, 2018, 26, 149-155. | 1.2 | 15 |
| 66 | Path Loss Simulation of an Infrared Optical Wireless System for Aircrafts. , 2009, , . | | 13 |
| 67 | A High Spectral Efficiency Spatial Modulation Technique. , 2014, , . | | 13 |
| 68 | Spectrum-sensing in cognitive radio networks over composite multipath/shadowed fading channels. Computers and Electrical Engineering, 2016, 52, 337-348. | 3.0 | 13 |
| 69 | Secure Index-Modulation Based Hybrid Free Space Optical and Millimeter Wave Links. IEEE Transactions on Vehicular Technology, 2020, 69, 6325-6332. | 3.9 | 13 |
| 70 | Spatial diversity for FSO communication systems over atmospheric turbulence channels. , 2014, , . | | 12 |
| 71 | Energy-detection based spectrum-sensing in cognitive radio networks over multipath/shadowed fading channels. , 2015, , . | | 12 |
| 72 | The performance of space shift keying for free-space optical communications over turbulent channels. Proceedings of SPIE, 2015, , . | 0.8 | 12 |

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| 73 | Performance analysis of quadrature spatial modulation in two-way relaying cooperative networks. IET Communications, 2018, 12, 466-472. | 1.5 | 12 |
| 74 | On the performance of wireless sensor networks with QSSK modulation in the presence of co-channel interference. Telecommunication Systems, 2018, 68, 105-113. | 1.6 | 12 |
| 75 | A hybrid free space optical-millimeter wave cooperative system. Optics Communications, 2019, 453, 124400. | 1.0 | 12 |
| 76 | A comprehensive study and analysis on SAT-solvers: advances, usages and achievements. Artificial Intelligence Review, 2019, 52, 2575-2601. | 9.7 | 12 |
| 77 | Acousto-Optical Modulators for Free Space Optical Wireless Communication Systems. Journal of Optical Communications and Networking, 2018, 10, 515. | 3.3 | 11 |
| 78 | First Hardware Implementation of an SSK MIMO System With no RF-Chain at the Transmitter. IEEE Transactions on Industrial Electronics, 2021, 68, 4477-4484. | 5.2 | 11 |
| 79 | Performance Analysis of Space Modulation Techniques over α - μ Fading Channels with Imperfect Channel Estimation. , 2014, , . | | 10 |
| 80 | Spectral-Efficient Quadrature Spatial Modulation Cooperative Amplify and Forward Spectrum-Sharing Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 2857-2861. | 3.9 | 10 |
| 81 | On the performance of dual-hop space shift keying with single amplify-and-forward relay. , 2012, , . | | 9 |
| 82 | Spatial Multiplexing-Based Minimum Distance Detection in Additive Generalized Gaussian Noise. IEEE Wireless Communications Letters, 2016, 5, 360-363. | 3.2 | 9 |
| 83 | Trellis coded quadrature spatial modulation. Physical Communication, 2018, 29, 147-155. | 1.2 | 9 |
| 84 | Analysis of cooperative communication spatial modulation with imperfect channel estimation. , 2013, , . | | 8 |
| 85 | A Performance Study of Spatial Modulation Systems under Vehicle-to-Vehicle Channel Models. , 2014, , . | | 8 |
| 86 | Capacity analysis for LOS millimeter-wave quadrature spatial modulation. Wireless Networks, 2018, 24, 1905-1914. | 2.0 | 8 |
| 87 | Analytical SER Calculation of Spatial Modulation. , 2008, , . | | 7 |
| 88 | Upper Bounds for the Analysis of Trellis Coded Spatial Modulation over Correlated Fading Channels. , 2010, , . | | 7 |
| 89 | A non-stationary geometry-based stochastic model for MIMO high-speed train channels. , 2012, , . | | 7 |
| 90 | MIMO techniques for high data rate free space optical communication system in log-normal channel. , 2013, , . | | 7 |

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| 91 | Multi-hop relaying systems in the presence of co-channel interference over Nakagami-m fading channels. IET Communications, 2014, 8, 483-491. | 1.5 | 7 |
| 92 | Impact of Cochannel Interference on the Performance of Quadrature Spatial Modulation MIMO Systems. IEEE Communications Letters, 2016, 20, 1927-1930. | 2.5 | 7 |
| 93 | Performance analysis of space modulation techniques over $\hat{\mu} \sim \hat{\nu}/4$ and $\hat{\mu} \sim \hat{\nu}/4$ fading channels with imperfect channel estimation. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2940. | 2.6 | 7 |
| 94 | Decode-and-forward with quadrature spatial modulation in the presence of imperfect channel estimation. Physical Communication, 2017, 24, 103-111. | 1.2 | 7 |
| 95 | Impact of RF-Switch Insertion Loss on the Performance of Space Modulation Techniques. IEEE Communications Letters, 2018, 22, 958-961. | 2.5 | 7 |
| 96 | Performance analysis of free space optical-based wireless sensor networks using corner cube retroreflectors. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3707. | 2.6 | 7 |
| 97 | Performance Analysis of Index Modulation Based Multiple Access Under Imperfect Channel Estimation. , 2020, , . | | 7 |
| 98 | Performance Analysis of Sparse Code Multiple Access MIMO Systems. , 2019, , . | | 6 |
| 99 | A System Simulation Framework for Modeling Space Modulation Techniques. IEEE Systems Journal, 2020, 14, 1435-1446. | 2.9 | 6 |
| 100 | Performance Analysis of Variant MIMO Systems Over 3-D Vehicular to Vehicular Channel. IEEE Access, 2020, 8, 73250-73258. | 2.6 | 6 |
| 101 | Multipoint-to-Multipoint Cooperative Multiuser SIM Free-Space Optical Communication: A Signal-Space Diversity Approach. IEEE Access, 2020, 8, 159244-159259. | 2.6 | 6 |
| 102 | A Novel Low Complexity Sparse Recovery Detector for Differential Space Shift Keying MIMO System. IEEE Communications Letters, 2020, 24, 1514-1518. | 2.5 | 6 |
| 103 | A Novel Method to Mitigate LED Nonlinearity Distortions in Optical Wireless OFDM Systems. , 2013, , . | | 5 |
| 104 | Adaptive Generative Models for Digital Wireless Channels. IEEE Transactions on Wireless Communications, 2014, 13, 5173-5182. | 6.1 | 5 |
| 105 | LOS millimeter-wave communication with quadrature spatial modulation. , 2016, , . | | 5 |
| 106 | Relay selection for full-duplex FSO relays over turbulent channels. , 2016, , . | | 5 |
| 107 | Hardware designs and analysis for variant receive space modulation techniques. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3545. | 2.6 | 5 |
| 108 | Performance analysis of sparse code multiple access with variant MIMO techniques. Physical Communication, 2020, 39, 101023. | 1.2 | 5 |

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| 109 | A Physical Transmitter Implementation of a Quadrature Space Shift Keying MIMO System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 251-255. | 2.2 | 5 |
| 110 | Hardware Architecture Design and Implementation of Different Space Modulation Techniques. IEEE Communications Magazine, 2020, 58, 57-63. | 4.9 | 5 |
| 111 | OFDM and SCFDE performance comparison for indoor optical wireless communication systems. , 2012, , . | | 4 |
| 112 | Cognitive MIMO quadrature spatial modulation systems with mutual primary-secondary co-channel interference. , 2016, , . | | 4 |
| 113 | How significant is the assumption of the uniform channel phase distribution on the performance of spatial multiplexing MIMO system?. Wireless Networks, 2017, 23, 2281-2288. | 2.0 | 4 |
| 114 | Hardware Design and Analysis for Generalized Receive Space Modulation Techniques. IEEE Communications Letters, 2019, 23, 1616-1620. | 2.5 | 4 |
| 115 | Reduced Complexity Sparse Recovery Detectors for Differential Space Shift Keying MIMO System. IEEE Transactions on Vehicular Technology, 2020, 69, 4558-4562. | 3.9 | 4 |
| 116 | A Reliability Analysis Framework for Space Modulation Techniques. IEEE Transactions on Communications, 2021, 69, 4795-4806. | 4.9 | 4 |
| 117 | A Half-Full Transmit-Diversity Spatial Modulation Scheme. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 257-266. | 0.2 | 4 |
| 118 | On the performance degradation of optical wireless OFDM communication systems due to changes in the LED junction temperature. , 2013, , . | | 3 |
| 119 | Analysis and optimization of AF multi-hop over Nakagami-m fading channels in the presence of CCI. , 2013, , . | | 3 |
| 120 | Cooperative networks over generalized Gamma fading channels with multiple antennas. , 2013, , . | | 3 |
| 121 | Performance of quadrature spatial modulation with imperfect channel information over correlated $\hat{\Gamma}_{\pm} \hat{\Gamma}_{\pm}^*$ fading channels. , 2016, , . | | 3 |
| 122 | Spatial modulation and spatial multiplexing performance comparison over 3D mmWave communications. , 2017, , . | | 3 |
| 123 | A unified performance analysis of decode-and-forward dual-hop relaying-based wireless energy harvesting with space modulation. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3419. | 2.6 | 3 |
| 124 | Coherent versus non-coherent subcarrier index modulation systems. , 2018, , . | | 3 |
| 125 | Cooperative decode-and-forward quadrature spatial modulation over correlated and imperfect $\hat{\Gamma}_{\pm} \hat{\Gamma}_{\pm}^*$ fading channels. Wireless Networks, 2019, 25, 689-698. | 2.0 | 3 |
| 126 | Capacity analysis of cooperative amplify and forward multiple-input multiple-output systems. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4290. | 2.6 | 3 |

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| 127 | Nakagami- m MIMO Channel Model. , 2022, , . | | 3 |
| 128 | On the performance of coded optical spatial modulation. , 2010, , . | | 2 |
| 129 | Predicting burst error statistics of digital wireless systems with HARQ. , 2013, , . | | 2 |
| 130 | Enhancing cooperative communication spectral efficiency through signal space diversity. , 2014, , . | | 2 |
| 131 | Blind estimation of statistical properties of non-stationary random variables. Eurasip Journal on Advances in Signal Processing, 2014, 2014, . | 1.0 | 2 |
| 132 | Quadrature spatial modulation in correlated $\hat{\Gamma}$ - $\hat{\Gamma}$ / 4 fading channels with imperfect channel state information. , 2017, , . | | 2 |
| 133 | IEEE Access Special Section Editorial: Index Modulation Techniques for Next-Generation Wireless Networks. IEEE Access, 2018, 6, 26452-26456. | 2.6 | 2 |
| 134 | Editorial: Introduction to the Issue Index Modulation for Future Wireless Networks: A Signal Processing Perspective. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1219-1222. | 7.3 | 2 |
| 135 | Impact of Channel Estimation Errors on the Capacity of Space Modulation Techniques. , 2019, , . | | 2 |
| 136 | Performance analysis of chirp spread spectrum system under mobility scenario. Physical Communication, 2020, 43, 101233. | 1.2 | 2 |
| 137 | Novel Transmitter Designs for Variant Signed Quadrature Space Modulation Techniques. IEEE Systems Journal, 2022, 16, 3437-3445. | 2.9 | 2 |
| 138 | Efficient IoT Compatible Sparse Recovery-Based Detectors for Differential Space Shift Keying MIMO System. , 2021, , . | | 2 |
| 139 | LED clipping distortion compensation in optical wireless communication via multiple transmit LEDs. Photonic Network Communications, 2013, 26, 25-31. | 1.4 | 1 |
| 140 | On the performance of space modulations over $\hat{\Gamma}$ - $\hat{\Gamma}$ / 4 fading channels with imperfect CSI. , 2015, , . | | 1 |
| 141 | Cooperative packet-forwarding mechanism for throughput improvement in multi-channel wireless networks. Computers and Electrical Engineering, 2015, 48, 203-213. | 3.0 | 1 |
| 142 | Spatial multiplexing performance over generalized $\hat{\Gamma}$ - $\hat{\Gamma}$ / 4 fading channels. , 2017, , . | | 1 |
| 143 | Hardware implementation of space modulation techniques using Simulink RF Blockset. , 2018, , . | | 1 |
| 144 | Performance Analysis of Acousto Optical Modulator-Free Space Optical System Over Gamma-Gamma Turbulent Channel. , 2019, , . | | 1 |

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| 145 | Generalized Receive Quadrature Space Modulation Techniques: Hardware Models and Analysis. , 2019, , . | | 1 |
| 146 | On the Theoretical Capacity of Cooperative Amplify and Forwards MIMO Sparse Code Multiple Access Systems. , 2021, , . | | 1 |
| 147 | Space Shift Keying MIMO System for Underwater Acoustic Communication. IEEE Wireless Communications Letters, 2022, 11, 58-62. | 3.2 | 1 |
| 148 | Cooperative Amplify and Forward Space Modulation MIMO Techniques: Capacity Analysis With Channel Imperfections. , 2021, , . | | 1 |
| 149 | Hybrid Transmitter Hardware Models for Reliable Implementations of Space Modulation Techniques. IEEE Transactions on Communications, 2022, 70, 2992-3005. | 4.9 | 1 |
| 150 | Spatial modulation performance analysis over generalized η-μ fading channels. , 2013, , . | | 0 |
| 151 | Impact of I/Q Imbalance on Receive Space Modulation Techniques. , 2019, , . | | 0 |
| 152 | Quadrature Spatial Modulation OFDM System Performance in the Presence of High Power Amplifier Nonlinearities. , 2019, , . | | 0 |
| 153 | Cooperative Amplify and Forward SSK Sparse Code Multiple Access System: Performance Analysis. , 2021, , . | | 0 |
| 154 | Capacity analysis of cooperative amplify and forward“quadrature spatial modulation MIMO system. Wireless Networks, 2021, 27, 5263-5270. | 2.0 | 0 |
| 155 | Spatial Modulation or Spatial Multiplexing for mmWave Communications?. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 237-246. | 0.2 | 0 |
| 156 | Hardware Implementation of Space Shift Keying on a Xilinx Zynq Platform. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 267-275. | 0.2 | 0 |
| 157 | Hardware Implementation of Generalized Space Modulation Techniques Using Simulink RF Blockset. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 247-256. | 0.2 | 0 |
| 158 | On the Performance of Acousto Optical Modulators“Free Space Optical Wireless Communication Systems over Negative Exponential Turbulent Channel. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 307-316. | 0.2 | 0 |
| 159 | Impact of Channel Correlation on the Performance of Acousto Optical Modulator“Free Space Optical System. , 2021, , . | | 0 |
| 160 | Mutual Information and Capacity Analysis of Index Modulated OFDM. , 2021, , . | | 0 |
| 161 | Cooperative Communications Based Quadrature Space Shift Keying: An Information“Theoretic Approach. , 2021, , . | | 0 |
| 162 | Receiver Designs for Variant Precoded Signed Space Modulation Techniques. IEEE Systems Journal, 2022, , 1-10. | 2.9 | 0 |

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| 163 | Optical wireless sensor networks using tunable optical filters. <i>Physical Communication</i> , 2022, 52, 101625. | 1.2 | 0 |
| 164 | Performance analysis of variant MIMO systems over hoyt fading channel. <i>Wireless Networks</i> , 2022, 28, 1649-1656. | 2.0 | 0 |