Here are the 100 research titles on Electronics and Communication Advanced Technology with unique code numbers:

"5G and Beyond: Next-Generation Wireless Communication" (ESRPecat01)

"IoT-Based Smart Home Automation and Energy Efficiency" (ESRPecat02)

"Quantum Communication for Secure Data Transmission" (ESRPecat03)

"Advancements in Satellite Communication Systems" (ESRPecat04)

"Emerging Trends in Wearable Technology" (ESRPecat05)

"AI-Driven Speech Recognition for Natural Language Processing" (ESRPecat06)

"Next-Gen Radar Systems for Autonomous Vehicles" (ESRPecat07)

"Blockchain Technology for Secure Data Transactions" (ESRPecat08)

"Smart Cities: IoT and Urban Infrastructure Development" (ESRPecat09)

"Cybersecurity Challenges in IoT and Edge Computing" (ESRPecat10)

"Wireless Power Transfer and Charging Technologies" (ESRPecat11)

"Quantum Computing and Its Application in Electronics" (ESRPecat12)

"5G and Vehicular Communication for Connected Vehicles" (ESRPecat13)

"Machine Learning for Image and Video Analysis" (ESRPecat14)

"IoT-Enabled Environmental Monitoring and Sustainability" (ESRPecat15)

"Advanced Antenna Design for Wireless Communication" (ESRPecat16)

"Augmented Reality in Telecommunications" (ESRPecat17)

"Blockchain-Based Supply Chain Management Solutions" (ESRPecat18)

"AI-Enhanced Natural Language Understanding and Generation" (ESRPecat19)

"Quantum Sensors for Precise Measurement" (ESRPecat20)

"5G and Healthcare: Remote Patient Monitoring" (ESRPecat21)

"Next-Gen Internet of Things (IoT) Applications" (ESRPecat22)

"Wireless Sensor Networks for Smart Agriculture" (ESRPecat23)

"Cyber-Physical Systems for Industrial Automation" (ESRPecat24)

"Quantum Cryptography for Unbreakable Security" (ESRPecat25)

"AI in Speech and Audio Processing" (ESRPecat26)

"Augmented Reality in Manufacturing and Maintenance" (ESRPecat27)

"Blockchain in Financial Technology (FinTech)" (ESRPecat28)

"5G and Augmented Reality in Education" (ESRPecat29)

"IoT for Environmental Conservation and Monitoring" (ESRPecat30)

"Quantum Machine Learning for Data Analysis" (ESRPecat31)

"Next-Gen Satellite Navigation and Positioning Systems" (ESRPecat32)

"Advanced Digital Signal Processing Techniques" (ESRPecat33)

"Wireless Communication in Space Exploration" (ESRPecat34)

"AI-Driven Robotics and Automation" (ESRPecat35)

"Augmented Reality in Healthcare and Medical Training" (ESRPecat36)

"Blockchain-Based Identity and Access Management" (ESRPecat37)

"5G and Augmented Reality in Entertainment" (ESRPecat38)

"Quantum Sensors for Environmental Protection" (ESRPecat39)

"IoT-Enabled Smart Grids for Energy Management" (ESRPecat40)

"Advanced RF Circuit Design for Wireless Devices" (ESRPecat41)

"Cybersecurity in Autonomous Vehicles" (ESRPecat42)

"AI for Human Gesture Recognition" (ESRPecat43)

"Augmented Reality in Architecture and Design" (ESRPecat44)

"Blockchain-Based Legal Contracts and Smart Law" (ESRPecat45)

"Next-Gen Internet of Medical Things (IoMT)" (ESRPecat46)

"Quantum Internet for Ultra-Secure Communication" (ESRPecat47)

"5G and Augmented Reality in Healthcare" (ESRPecat48)

"IoT in Supply Chain and Logistics" (ESRPecat49)

"Wireless Communication in Smart Agriculture" (ESRPecat50)

"AI in Robotics and Autonomous Systems" (ESRPecat51)

"Augmented Reality in Retail and Shopping" (ESRPecat52)

"Blockchain for Food Safety and Traceability" (ESRPecat53)

"Next-Gen Healthcare Wearables and Monitoring" (ESRPecat54)

"Quantum Sensors for Weather Forecasting" (ESRPecat55)

"5G and Augmented Reality for Tourism" (ESRPecat56)

"IoT in Water Resource Management" (ESRPecat57)

"AI in Human Gesture Recognition" (ESRPecat58)

"Augmented Reality in Marketing and Advertising" (ESRPecat59)

"Blockchain-Based Intellectual Property Protection" (ESRPecat60)

"Next-Gen Sports Technology and Fan Engagement" (ESRPecat61)

"Quantum Sensors for Weather Forecasting" (ESRPecat62)

"5G and Augmented Reality in Education" (ESRPecat63)

"IoT for Wildlife Conservation and Biodiversity" (ESRPecat64)

"AI in Autonomous Drones and UAVs" (ESRPecat65)

"Augmented Reality in Architecture and Design" (ESRPecat66)

"Blockchain-Based Digital Voting Systems" (ESRPecat67)

"Next-Gen Telemedicine and Remote Healthcare" (ESRPecat68)

"Quantum Internet for Ultra-Secure Communication" (ESRPecat69)

"5G and Augmented Reality in Healthcare" (ESRPecat70)

"IoT in Water Resource Management" (ESRPecat71)

"AI in Human Gesture Recognition" (ESRPecat72)

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"AI in Human Gesture Recognition" (ESRPecat86)

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"Quantum Internet for Ultra-Secure Communication" (ESRPecat97)

"5G and Augmented Reality in Healthcare" (ESRPecat98)

"IoT in Water Resource Management" (ESRPecat99)

"AI in Human Gesture Recognition" (ESRPecat100)