Internet of Things for Smart Healthcare: Technologies, Challenges, and Opportunities

#	Paper	IF	Citations
617	Non-invasive Methods in the Detection of Coronary Artery Disease. **2018**,		2
616	Secure and Efficient Data Accessibility in Blockchain Based Healthcare Systems. **2018**,		43
615	Network slice optimization method for wireless access networks. **2018**,		0
614	Securing M2M Transmissions Using Nonreconciled Secret Keys Generated from Wireless Channels. **2018**,		5
613	A Novel Framework in Manufacturing Automation to Implement Cyber-Manufacturing Systems. **2018**,		
612	Research on Wireless Ad Hoc Network and Equipment Management of Internet of Things Intelligent Node*. **2018**,		
611	A Survey on Cloud and Internet of Things Based Healthcare Diagnosis. **2018**,		5
610	An enhanced distributed acoustic sensing system based on the interactions between microstructures. **2018**, 1065, 252011		
609	Blockchain Utilization in Healthcare: Key Requirements and Challenges. **2018**,		51
608	Contention & Energy-Aware Real-Time Task Mapping on NoC Based Heterogeneous MPSoCs. *IEEE Access*, **2018**, 6, 75110-75123	3.5	21
607	Smart Space Concepts, Properties and Architectures. *IEEE Access*, **2018**, 6, 70088-70112	3.5	3
606	Big Data for Modelling Interactive Systems in IoT. **2018**,		3
605	Low Power Wide Area Networks: A Survey of Enabling Technologies, Applications and Interoperability Needs. *IEEE Access*, **2018**, 6, 77454-77473	3.5	80
604	Towards The Internet-of-Smart-Clothing: A Review on IoT Wearables and Garments for Creating Intelligent Connected E-Textiles. **2018**, 7, 405		105
603	Wearable Affective Robot. *IEEE Access*, **2018**, 6, 64766-64776	3.5	69
602	User Health Information Analysis With a Urine and Feces Separable Smart Toilet System. *IEEE Access*, **2018**, 6, 78751-78765	3.5	13
601	. *IEEE Access*, **2018**, 6, 52500-52509	3.5	7

600	Resource management in pervasive Internet of Things: A survey. **2018**,		26
599	. *IEEE Access*, **2018**, 6, 43956-43966	3.5	11
598	. *IEEE Access*, **2018**, 6, 32258-32285	3.5	132
597	Continuous Patient Monitoring With a Patient Centric Agent: A Block Architecture. *IEEE Access*, **2018**, 6, 32700-32726	3.5	128
596	Active Plant Wall for Green Indoor Climate Based on Cloud and Internet of Things. *IEEE Access*, **2018**, 6, 33631-33644	3.5	30
595	Design of a Hybrid RF Fingerprint Extraction and Device Classification Scheme. **2019**, 6, 349-360		74
594	Aggregation Techniques for the Internet of Things: An Overview. **2019**, 151-176		5
593	Search Engine for the Internet of Things: Lessons From Web Search, Vision, and Opportunities. *IEEE Access*, **2019**, 7, 104673-104691	3.5	16
592	Edge computing in smart health care systems: Review, challenges, and research directions. **2019**, e3710		26
591	A Survey on Internet of Things and Cloud Computing for Healthcare. **2019**, 8, 768		167
590	. **2019**,		4
589	Sensors and Control Interface Methods Based on Triboelectric Nanogenerator in IoT Applications. *IEEE Access*, **2019**, 7, 92745-92757	3.5	36
588	. **2019**,		1
587	5G-Based Smart Healthcare Network: Architecture, Taxonomy, Challenges and Future Research Directions. *IEEE Access*, **2019**, 7, 100747-100762	3.5	122
586	A conceptual model for quality of experience management to provide context-aware eHealth services. **2019**, 101, 1041-1061		6
585	Re-visiting National eHealth Strategies in the IoT and Big Data Era. **2019**,		0
584	The Internet of Things in the Industrial Sector. **2019**,		3
583	Deep Learning-Constructed Joint Transmission-Recognition for Internet of Things. *IEEE Access*, **2019**, 7, 76547-76561	3.5	22

| 582 | IoT-based Secure Healthcare Monitoring System. **2019**, | | 6 |

| 581 | Practical fall detection based on IoT technologies: A survey. **2019**, 8, 100124 | | 16 |

| 580 | Distributed Semantic Reasoning Enabled by Fog Computing. **2019**, | | 1 |

| 579 | Internet of Things Application in Life Sciences. **2019**, 213-233 | | |

| 578 | A Web of Thing Middleware for Enabling Standard Web Access Over BLE based Healthcare Wearable Device. **2019**, | | 3 |

| 577 | Intelligent energy-efficient healthcare models integrated with IoT and LoRa network. **2019**, 157-174 | | 1 |

| 576 | Machine Learning for Security and the Internet of Things: The Good, the Bad, and the Ugly. *IEEE Access*, **2019**, 7, 158126-158147 | 3.5 | 44 |

| 575 | Model of Functional Behavior of Healthcare Internet of Things Device. **2019**, | | 1 |

| 574 | A multi-protocol system for configurable data streaming on IoT healthcare devices. **2019**, | | 2 |

| 573 | A Hash-Based RFID Authentication Mechanism for Context-Aware Management in IoT-Based Multimedia Systems. **2019**, 19, | | 9 |

| 572 | Enhancing the Ambient Assisted Living Capabilities with a Mobile Robot. **2019**, 2019, 9412384 | | 6 |

| 571 | Internet of Things for Epidemic Detection: A Critical Review. **2019**, 485-495 | | 6 |

| 570 | Wideband Rectangular Foldable and Non-foldable Antenna for Internet of Things Applications. **2019**, 2019, 1-5 | | 2 |

| 569 | Intrusion Detection Systems: A Cross-Domain Overview. **2019**, 21, 3639-3681 | | 26 |

| 568 | An Enhanced Lightweight IoT-based Authentication Scheme in Cloud Computing Circumstances. **2019**, 19, | | 20 |

| 567 | Policy-based access control for constrained healthcare resources in the context of the Internet of Things. **2019**, 139, 57-74 | | 24 |

| 566 | A Robust RF Fingerprinting Approach Using Multisampling Convolutional Neural Network. **2019**, 6, 6786-6799 | | 47 |

| 565 | IoT Technology, Applications and Challenges: A Contemporary Survey. **2019**, 108, 363-388 | | 73 |

564	An Efficient Lucas Sequence-Based Batch Auditing Scheme for the Internet of Medical Things. *IEEE Access*, **2019**, 7, 10077-10092	3.5	5
563	Getting IoT-ready: The face of next generation artificial pancreas systems. **2019**, 29-57		5
562	High-Performance Modelling and Simulation for Big Data Applications. **2019**,		2
561	Privacy preservation in blockchain based IoT systems: Integration issues, prospects, challenges, and future research directions. **2019**, 97, 512-529		219
560	Medical Data Processing and Analysis for Remote Health and Activities Monitoring. **2019**, 186-220		23
559	Development of a Portable Dielectric Biosensor for Rapid Detection of Viscosity Variations and Its In Vitro Evaluations Using Saliva Samples of COPD Patients and Healthy Control. **2019**, 7,		10
558	Real-Time Healthcare Data Transmission for Remote Patient Monitoring in Patch-Based Hybrid OCC/BLE Networks. **2019**, 19,		27
557	. *IEEE Access*, **2019**, 7, 44441-44458	3.5	34
556	LACO: Lightweight Three-Factor Authentication, Access Control and Ownership Transfer Scheme for E-Health Systems in IoT. **2019**, 96, 410-424		72
555	. *IEEE Access*, **2019**, 7, 24910-24933	3.5	16
554	A New Heart Sound Signal Identification Approach Suitable for Smart Healthcare Systems. **2019**,		1
553	Platform for Integrating Internet of Things Based Smart Healthcare System and Blockchain Network. **2019**,		8
552	. **2019**,		5
551	Internet of Things for Smart Healthcare: A Hardware Perspective. **2019**,		8
550	A Method for Identifying eHealth Applications Using Side-Channel Information. **2019**,		1
549	A Data Clustering Strategy for Enhancing Mutual Privacy in Healthcare System of IoT. **2019**,		0
548	A Novel Hybrid data security algorithm for Electronic Health Records security. **2019**,		0
547	Vehicle Electrification: Technologies, Challenges, and a Global Perspective for Smart Grids. **2019**,		3

546   Development and Implementation of Smart Healthcare Bidet. **2019**,   3

545   The Privacy Requirments for Wearable IoT Devices in Healthcare Domain. **2019**,   2

544   Internet of M-Health Things System for Remote EKG Monitoring. **2019**,

543   Energy saving mechanism in fog assisted IoT enabled health monitoring framework. **2019**, 1372, 012050

542   High-end sensors: challenges for the future. **2019**, 1379, 012003

541   Sensor Data Fusion and Big Mobility Data Analytics for Activity Recognition. **2019**,   1

540   Precision Agriculture using Data Mining Techniques and IOT. **2019**,   1

539   . **2019**,   22

538   Towards a Smart Data Transmission Strategy for IoT Monitoring Systems: Application to Air Quality Monitoring. **2019**,   1

537   A Semantic RESTful API for Heterogeneous IoT Data Storage. **2019**,   1

536   Body Area Networks: Smart IoT and Big Data for Intelligent Health Management. **2019**,   3

535   Internet of Things Evolution, Architecture and Real Time Application- Survey. **2019**,   1

534   . **2019**,   9

533   IoT-based healthcare systems. **2019**,   6

532   Health Monitoring in Smart Homes Utilizing Internet of Things. **2019**,   1

531   Assessing Data Traffic Classification to Priority Access for Wireless Healthcare Application. **2019**,   1

530   Potential Measures to Enhance Information Security Compliance in the Healthcare Internet of Things. **2019**, 726-735   2

529   Computational Intelligence and Sustainable Systems. **2019**,   8

510	International Conference on Innovative Computing and Communications. **2020**,		1
509	Heart Rate Estimation of PPG Signals With Simultaneous Accelerometry Using Adaptive Neural Network Filtering. **2020**, 66, 69-76		13
508	A Smart Collaborative Routing Protocol for Delay Sensitive Applications in Industrial IoT. *IEEE Access*, **2020**, 8, 20413-20427	3.5	12
507	Machine Learning for Resource Management in Cellular and IoT Networks: Potentials, Current Solutions, and Open Challenges. **2020**, 22, 1251-1275		95
506	Healthcare 4.0: trends, challenges and research directions. **2020**, 31, 1245-1260		37
505	Fog Computing Applications in Smart Cities: A Systematic Survey. **2020**, 26, 1433-1457		47
504	S2HS- A blockchain based approach for smart healthcare system. **2020**, 8, 100391		49
503	Survivability Aware Channel Allocation in WSN for IoT applications. **2020**, 61, 101107		5
502	Introduction to Mobile Medical Information System (mMIS) development. **2020**, 1-22		6
501	Recent Advances of Wearable Antennas in Materials, Fabrication Methods, Designs, and Their Applications: State-of-the-Art. **2020**, 11,		20
500	Digital Health in Focus of Predictive, Preventive and Personalised Medicine. **2020**,		0
499	A survey of research trends in assistive technologies using information modelling techniques. **2020**, 1-19		7
498	An Ensemble Classification Framework Based on Latent Factor Analysis. **2020**,		1
497	Optimized compression and recovery of electrocardiographic signal for IoT platform. **2020**, 96, 106659		2
496	An Empirical Study on System Level Aspects of Internet of Things (IoT). *IEEE Access*, **2020**, 8, 188082-188134	3.5	30
495	Measuring the effect of Healthcare 4.0 implementation on hospitals performance. **2020**, 1-16		9
494	Emerging Wireless Sensor Networks and Internet of Things Technologies-Foundations of Smart Healthcare. **2020**, 20,		20
493	A home-based smart health model. **2020**, 12, 168781402093528		2

474	. *IEEE Access*, **2020**, 8, 132808-132824	3.5	20
473	IoT: Heart Rate Monitoring Tool Using Android with Alert Messanger Telegram System. **2020**, 846, 012014		1
472	Towards Energy Efficiency in the Internet of Wearable Things: A Systematic Review. *IEEE Access*, **2020**, 8, 175412-175435	3.5	18
471	In-Vitro Classification of Saliva Samples of COPD Patients and Healthy Controls Using Machine Learning Tools. *IEEE Access*, **2020**, 8, 168053-168060	3.5	12
470	A Discussion on Context-Awareness to Better Support the IoT Cloud/Edge Continuum. *IEEE Access*, **2020**, 8, 193686-193694	3.5	2
469	The Structure and Embedded SoftwareDesign of Remote Controllable Intelligent Switch. **2020**,		0
468	Learning Transferable Driven and Drone Assisted Sustainable and Robust Regional Disease Surveillance for Smart Healthcare. **2021**, 18, 114-125		3
467	Leveraging Uncertainties in Softmax Decision-Making Models for Low-Power IoT Devices. **2020**, 20,		4
466	Remote sensing to control respiratory viral diseases outbreaks using Internet of Vehicles. **2020**, e4118		3
465	Evaluation of smart health technologies with hesitant fuzzy linguistic MCDM methods. **2020**, 39, 6363-6375		4
464	A Survey of Security Challenges, Attacks Taxonomy and Advanced Countermeasures in the Internet of Things. *IEEE Access*, **2020**, 8, 219709-219743	3.5	19
463	Privacy-enhanced Data Fusion for COVID-19 Applications in Intelligent Internet of Medical Things. **2020**, 1-1		28
462	Continuous and automatic mortality risk prediction using vital signs in the intensive care unit: a hybrid neural network approach. **2020**, 10, 21282		3
461	Specific Emitter Identification Against Unreliable Features Interference Based on Time-Series Classification Network Structure. *IEEE Access*, **2020**, 8, 200194-200208	3.5	3
460	. *IEEE Access*, **2020**, 8, 204441-204458	3.5	14
459	Compact transmission-line circuit for audio and microwave signals. **2020**,		
458	Five Crucial Challenges in Digital Health. **2020**, 2, 536203		12
457	A Robust Wearable Unique-Logo Wideband Antenna for 5G Applications. **2020**,		1

438	Internet of things based distributed healthcare systems: a review. **2020**, 2, 149-165		16
437	The Internet of Things (IoT) in pain assessment and management: An overview. **2020**, 18, 100298		7
436	Internet of things in medicine: A systematic mapping study. **2020**, 103, 103383		42
435	A Rigid-Flex Wearable Health Monitoring Sensor Patch for IoT-Connected Healthcare Applications. **2020**, 7, 6932-6945		33
434	A Survey on the Viability of Confirmed Traffic in a LoRaWAN. *IEEE Access*, **2020**, 8, 9296-9311	3.5	20
433	Smart Healthcare Analytics in IoT Enabled Environment. **2020**,		1
432	Optimal feature extraction and classification-oriented medical insurance prediction model: machine learning integrated with the internet of things. **2020**, 1-13		6
431	. **2020**, 22, 1121-1167		230
430	IoT Ecosystem: A Survey on Devices, Gateways, Operating Systems, Middleware and Communication. **2020**, 27, 340-364		46
429	An exhaustive survey on security and privacy issues in Healthcare 4.0. **2020**, 153, 311-335		134
428	Access control for Internet of Things-enabled assistive technologies: an architecture, challenges and requirements. **2020**, 1-43		5
427	NB-IoT: concepts, applications, and deployment challenges. **2020**, 119-144		11
426	Wearables and the Internet of Things (IoT), Applications, Opportunities, and Challenges: A Survey. *IEEE Access*, **2020**, 8, 69200-69211	3.5	71
425	Machine Learning in IoT Security: Current Solutions and Future Challenges. **2020**, 22, 1686-1721		162
424	Fog-Cloud Assisted IoT-Based Hierarchical Approach For Controlling Dengue Infection. **2020**,		4
423	Long-term evolution for machines (LTE-M). **2020**, 145-166		5
422	SybilWatch: a novel approach to detect Sybil attack in IoT based smart health care. **2021**, 12, 6199-6213		6
421	Fog Computing for Healthcare 4.0 Environments. **2021**,		5

402	A Non-invasive Cloud-Based IoT System and Data Analytics Support for Women Struggling with Drug Addictions During Pregnancy. **2021**, 20-34		1
401	IoT Platform for COVID-19 Prevention and Control: A Survey. *IEEE Access*, **2021**, 9, 49929-49941	3.5	29
400	Machine Learning-based Multiple Attack Detection in RPL over IoT. **2021**,		0
399	Performance Analysis on Modulation Techniques for Medical Devices Sensitivity in Wireless NB-IoT Network.		3
398	Devices, Systems and Infrastructures for Smart Health. **2021**, 61-70		
397	Healthcare Techniques Through Deep Learning: Issues, Challenges and Opportunities. *IEEE Access*, **2021**, 9, 98523-98541	3.5	3
396	Smart Sensor Technologies for Healthcare Systems. **2021**, 159-180		
395	A review of Internet of Things: qualifying technologies and boundless horizon. **2021**, 7, 23-33		8
394	PBCR: Parameter-based Backoff Counter Regulation in IEEE 802.15.6 CSMA/CA. **2021**,		2
393	IoT-Based Smart Wristband. **2021**, 171-180		0
392	A Beacon and GTS Scheduling Scheme for IEEE 802.15.4 DSME Networks. **2021**, 1-1		0
391	A Latent Factor Analysis-Based Approach to Online Sparse Streaming Feature Selection. **2021**, 1-15		20
390	Sociological modeling of smart city with the implementation of UN sustainable development goals. **2021**, 16, 1-19		4
389	Integration of Internet of Things and Cloud Computing for Cardiac Health Recognition. **2021**, 645-661		1
388	IoT Applications in Healthcare. **2021**, 115-133		
387	Arduino-Based Myoelectric Control: Towards Longitudinal Study of Prosthesis Use. **2021**, 21,		9
386	A Formal Testing Model for Operating Room Control System using Internet of Things. **2021**, 66, 2997-3011		12
385	IoT services in healthcare industry with fog/edge and cloud computing. **2021**, 81-103		3

384   IoT Assisted Real Time PPG Monitoring System for Health Care Application. **2021**,   1

383   Diagnosing of disease using machine learning. **2021**, 89-111   6

382   IoT healthcare architecture. **2021**, 9-29   1

381   Design and Implementation of LoRa Based IoT Scheme for Indonesian Rural Area. **2021**, 10, 77   6

380   SDN-Enabled ABE-Based Secure Communication for Smart Healthcare. **2021**, 87-99

379   A Lightweight Anonymous Authentication Protocol for Resource-Constrained Devices in Internet of Things. **2021**, 1-1   3

378   A Semi-automatic Heart Sounds Identification Model and Its Implementation in Internet of Things Devices. **2021**, 21, 45-56   0

377   User Interface Design of Smart IoT Care Products for the New-Age Elderly. **2021**, 1107-1112   1

376   A Comprehensive Survey on Machine Learning-Based Big Data Analytics for IoT-Enabled Smart Healthcare System. **2021**, 26, 234-252   56

375   REFIT: Robustness Enhancement Against Cascading Failure in IoT Networks. *IEEE Access*, **2021**, 9, 40768-40782   3.5   3

374   Blockchain and 5G-Enabled Internet of Things: Background and Preliminaries. **2021**, 3-31   1

373   The Internet of Things for Healthcare: Applications, Selected Cases and Challenges. **2021**, 1-15   2

372   Control Home Appliances Through Internet of Things To Assist Elderly In Their Daily Routine. **2021**, 335, 04005   0

371   The fundamentals and potential of translational medicine in healthcare. **2021**, 13-27

370   Trends, Technologies, and Key Challenges in Smart and Connected Healthcare. *IEEE Access*, **2021**, 9, 74044-74067   3.5

369   Role and Significance of Internet of Things in Combating COVID-19: A Study. **2021**, 153-160

368   An FPGA-Assisted Intelligent QoS Management System for Local Area Networks. **2021**, 1-12   0

367   Reconfigurable Intelligent Surface Aided Multi-User Communications: State-of-the-Art Techniques and Open Issues. *IEEE Access*, **2021**, 9, 118584-118605   3.5   7

366	Future Directions on IoT and Indoor Air Quality Management. **2021**, 69-82	
365	Internet of Things (IoT): The Futuristic Technology. **2021**, 15-31	
364	Analysis of Security Problems in Groups of Intelligent Sensors. **2021**, 26-37	0
363	Cloud-Based Real-Time Wearable Health Monitoring Device Using IoT. **2021**, 1081-1087	3
362	Experimental Evaluation of the Packet Reception Performance of LoRa. **2021**, 21,	2
361	Defining the concepts of a smart nursing home and its potential technology utilities that integrate medical services and are acceptable to stakeholders: a scoping review protocol. **2021**, 11, e041452	2
360	Toward Mining Capricious Data Streams: A Generative Approach. **2021**, 32, 1228-1240	6
359	Design and Implementation of Telehealth Device: Linking IoT Sensors to Cloud Networks. **2021**,	1
358	Health Care System for Disabled Patients- A Review. **2021**,	
357	Artificial intelligence-powered decentralized framework for Internet of Things in Healthcare 4.0. e4245	12
356	Real-time healthcare monitoring using smart systems: A step towards healthcare service orchestration Smart systems for futuristic healthcare. **2021**,	2
355	IoT-Based Smart Healthcare System: A Review on Constituent Technologies. **2021**, 30, 2130008	3
354	Heart Pulse Monitoring and Notification System using Arduino. **2021**,	2
353	Blockchain-based Lamport Merkle Digital Signature: Authentication tool in IoT healthcare. **2021**, 170, 200-208	26
352	IBMPS: Incubator Baby Monitoring and Parameter Sensing. **2021**,	
351	Visualising the knowledge structure and evolution of wearable device research. **2021**, 45, 207-222	2
350	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. **2021**, 12,	15
349	Deep Reinforcement Learning Based Resource Management in UAV-Assisted IoT Networks. **2021**, 11, 2163	9

348	The adaptability of assistive mobility devices and the role of the internet of medical things: A literature review (Preprint).	
347	Application of Internet of Things and artificial intelligence for smart fitness: A survey. **2021**, 189, 107859	14
346	A Long-Distance Communication Architecture for Medical Devices Based on LoRaWAN Protocol. **2021**, 10, 940	5
345	Adaptability of Assistive Mobility Devices and the Role of the Internet of Medical Things: Comprehensive Review. **2021**, 8, e29610	2
344	Improving latency in Internet-of-Things and cloud computing for real-time data transmission: a systematic literature review (SLR). 1	4
343	Generative adversarial network-based rogue device identification using differential constellation trace figure. **2021**, 2021,	1
342	Respiration Measurement in a Simulated Setting Incorporating the Internet of Things. **2021**, 9, 30	0
341	Energy efficient IoT-Fog based architectural paradigm for prevention of Dengue fever infection. **2021**, 150, 46-59	3
340	A Smartcard-Based User-Controlled Single Sign-On for Privacy Preservation in 5G-IoT Telemedicine Systems. **2021**, 21,	7
339	IoT-enabled cloud-based real-time remote ECG monitoring system. **2021**, 45, 473-485	3
338	Proposed a Framework for Depression Monitoring System by Detecting the Facial Expression using Soft Computing Algorithm. **2021**, 1, 5-7	
337	Role of emerging technologies in future IoT-driven Healthcare 4.0 technologies: a survey, current challenges and future directions. 1	9
336	Securing Communication in the IoT- Based Power Constrained Devices in Health Care System. **2021**, 10, 115-121	1
335	A Review on existing IoT Architecture and Communication Protocols used in Healthcare Monitoring System. 1	4
334	A Risk-Based IoT Decision-Making Framework Based on Literature Review with Human Activity Recognition Case Studies. **2021**, 21,	2
333	Triboelectric Energy Harvester Based on Stainless Steel/MoS and PET/ITO/PDMS for Potential Smart Healthcare Devices. **2021**, 11,	3
332	Computational Traditional Chinese Medicine diagnosis: A literature survey. **2021**, 133, 104358	7
331	. **2021**,	1

330	Creating Security Modelling Framework Analysing in Internet of Things Using EC-GSM-IoT. 1	2
329	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. **2021**, 13, 159	11
328	The IoT for Healthcare Applications. **2021**, 1105, 012075	0
327	Medical Internet of Things to Realize Elderly Stroke Prevention and Nursing Management. **2021**, 2021, 9989602	3
326	A Robust Radio-Frequency Fingerprint Extraction Scheme for Practical Device Recognition. **2021**, 8, 11276-11289	9
325	Body Sensor Network Architectures in Healthcare Internet-of-Things (HIoT): A Survey. **2021**,	2
324	Energy-Efficient and Secure IoT architecture based on a Wireless Sensor Network Using Machine Learning to Predict Mortality Risk of patients with CoVID-19. **2021**,	0
323	Amalgamation of IoT, ML, and Blockchain in the Healthcare Regime. **2021**, 93-108	0
322	Rebirth of Distributed AI-A Review of eHealth Research. **2021**, 21,	2
321	Internet of Things (IoT): A Review of Its Enabling Technologies in Healthcare Applications, Standards Protocols, Security, and Market Opportunities. **2021**, 8, 10474-10498	38
320	An Overview of IoT in Health Sectors. **2021**, 1-24	0
319	Advancing e-Government Using Internet of Things. **2022**, 123-137	6
318	Intelligent construction integrated management system based on BIM and Internet of Things. **2021**,	1
317	Vital Sign Monitoring System for Healthcare Through IoT Based Personal Service Application. 1	2
316	Healthcare supply chain resilience framework: antecedents, mediators, consequents. 1-15	3
315	An Efficient On-Demand Hardware Replacement Platform for Metamorphic Functional Processing in Edge-Centric IoT Applications. **2021**, 10, 2088	2
314	A comprehensive review on blockchain and Internet of Things in healthcare. **2021**, 32, e4333	4
313	The expectations and acceptability of a smart nursing home model among Chinese elderly people: A mixed methods study protocol. **2021**, 16, e0255865	2

312   A wearable technology solution and research agenda for housekeeper safety and health. **2021**, ahead-of-print,   1

311   IoT for Better Mobile Health Applications. **2022**, 1-13   0

310   Connected healthcare: Improving patient care using digital health technologies. **2021**, 178, 113958   19

309   Security preservation in industrial medical CPS using Chebyshev map: An AI approach. **2021**, 122, 52-62   5

308   Wireless technologies, medical applications and future challenges in WBAN: a survey. 1   8

307   Leveraging blockchain for ensuring trust in IoT: A survey. **2021**,   5

306   Distributed Multiuser MIMO for LiFi: Experiments in an Operating Room. **2021**, 39, 5730-5743   2

305   Artificial Intelligence for Personalized Medicine with EHR and Genomic Information. **2022**, 573-582

304   Identification and Authentication in Healthcare Internet-of-Things Using Integrated Fog Computing Based Blockchain Model. **2021**, 15, 100422   14

303   Sağlık Hizmetlerinde Nesnelerin İnterneti Uygulamalarının Bibliyometrik Analizi.   1

302   A Blockchain-Based IoT Cross-Domain Delegation Access Control Method. **2021**, 2021, 1-11

301   A systematic review of IoT in healthcare: Applications, techniques, and trends. **2021**, 192, 103164   44

300   A fog assisted intelligent framework based on cyber physical system for safe evacuation in panic situations. **2021**, 178, 297-306   8

299   Internet of Healthcare Things: A contemporary survey. **2021**, 192, 103179   12

298   A Comprehensive and Analytical Study of Smart Healthcare with IoT. **2022**, 43-63

297   Emerging IoT Applications in Sustainable Smart Cities for COVID-19: Network Security and Data Preservation Challenges with Future Directions. **2021**, 75, 103311   8

296   Area and energy efficient shift and accumulator unit for object detection in IoT applications. **2022**, 61, 795-809   5

295   Achieving privacy-preserving sensitive attributes for large universe based on private set intersection. **2022**, 582, 529-546   1

276 IoT Enabled Technology in Secured Healthcare: Applications, Challenges and Future Directions. **2021**, 25-48   24

275 Health Monitoring Using Wearable Technologies and Cognitive Radio for IoT. **2019**, 143-165   4

274 IoT-Based HelpAgeSensor Device for Senior Citizens. **2020**, 187-193   5

273 Enhancing Mist Assisted Cloud Computing Toward Secure and Scalable Architecture for Smart Healthcare. **2021**, 1515-1526   16

272 IoMT-Based Smart Diagnostic/Therapeutic Kit for Pandemic Patients. **2020**, 141-165   2

271 Sensors for internet of medical things: State-of-the-art, security and privacy issues, challenges and future directions. **2020**, 160, 111-131   24

270 An Intelligent IoT Based Healthcare System Using Fuzzy Neural Networks. **2020**, 2020, 1-15   16

269 IoT Smart Home Using Eye Tracking and Voice Interfaces for Elderly and Special Needs People. **2019**, 614-621   11

268 A Review of Internet of Things Technologies for Ambient Assisted Living Environments. **2019**, 11, 259   52

267 Patient Health Monitoring Using IoT. **2019**, 30-45   5

266 Identifying and Ranking Ethical Issues of the Internet of Things in Medical Sciences using Stepwise Weight Assessment Ratio Analysis. **2020**, 7, 25-32   2

265 Smart Healthcare in the Age of AI: Recent Advances, Challenges, and Future Prospects. *IEEE Access*, **2021**, 9, 145248-145270   3.5   12

264 Federated learning for AI to improve patient care using wearable and IoMT sensors. **2021**,   1

263 A Compilation-and Remote-Programming-as-a-Service Platform for IoT Devices. **2021**,

262 Meltdown/Tantrum Detection System for Individuals with Autism Spectrum Disorder. 1-25   0

261 Assisted Fog Computing Approach for Data Privacy Preservation in IoT-Based Healthcare. **2022**, 191-201   1

260 A Survey on the Internet of Things Patterns and Their Classification Schemes. **2022**, 360-388

259 A Critical Review of IoT-Connected Healthcare and Information Security in South Africa. **2022**, 739-746   1

258	Body sensor network encryption and team user authentication scheme based on electrocardiogram detector. **2021**, 34, e5002	0
257	An Overview of Sensors, Design and Healthcare Challenges in Smart Homes: Future Design Questions. **2021**, 9,	2
256	Sensors for Context-Aware Smart Healthcare: A Security Perspective. **2021**, 21,	2
255	WEARABLE HEALTH MONITORING SMART GLOVES. **2019**, 7, 1	
254	Enhancement of IoT-Based Smart Hospital System Survey Paper. **2019**, 238-261	2
253	Miracles of Healthcare With Internet of Things. **2019**, 120-164	5
252	A secure and lightweight user authentication mechanism for wireless body area network. **2019**,	0
251	Patients attitudes toward the use of IoT medical devices: empirical evidence from Romania. **2019**, 13, 567-577	3
250	On the Implementation and Performance Evaluation of Security Algorithms for Healthcare. **2020**, 629-640	1
249	Automated Pill Dispenser Application Based on IoT for Patient Medication. **2020**, 231-253	2
248	An Ontology Based Authentication Framework for Healthcare Monitoring. **2020**, 9-16	1
247	Towards highly scalable runtime models with history. **2020**,	3
246	Wearable inertial sensors to recognize basic human motion: What technology for what activity?. **2020**,	
245	Search Engine for Heterogeneous Internet of Things Systems and Optimization. **2020**,	3
244	An IoT Framework for Healthcare Monitoring and Machine Learning for Life Expectancy Prediction. **2021**, 637-644	
243	The Interoperability of Fog and IoT in Healthcare Domain: Architecture, Application, and Challenges. **2021**, 535-561	
242	Recommending Suitable Smart Technology Applications to Support Mobile Healthcare after the COVID-19 Pandemic Using a Fuzzy Approach. **2021**, 9,	3
241	Implementation of IoT Based Wireless Electronic Stethoscope. **2020**,	5

240   Internet of Things and Web Services for Handling Pandemic Challenges. **2021**, 1-19

239   Integrating NFC and IoT to Provide Healthcare Services in Cloud-Based EHR System. **2020**, 361-371   1

238   Using Internet of Things in Healthcare. **2020**, 105-113

237   Exploring Information Support in Mobile Terminal Guidance in the Context of Medical Service. **2020**, 380-390   0

236   Big Biomedical Data Engineering. **2020**, 31-48

235   Uncertainty in IoT for Smart Healthcare: Challenges, and Opportunities. **2020**, 232-239   2

234   Intelligent Healthcare Solutions. **2020**, 371-389   1

233   Securing the Internet of Things: Current and Future State of the Art. **2020**, 227-246

232   Implementation and Computational Level Challenges for IoT in Healthcare Applications. **2020**, 153-172

231   Healthcare. **2020**, 159-171

230   MQTT based QoS Model for IoT - M2M Critical Applications. **2021**, 12, 0-0

229   Determinants of the Intention to Use Smart Healthcare Devices: A Framework and Public Policy Implications. **2021**, 2021, 4345604   1

228   Patient Behavioral Analysis with Smart Healthcare and IoT.. **2021**, 2021, 4028761   8

227   Documentation on Smart Home Monitoring Using Internet of Things. **2021**, 1115-1124   3

226   Structural Health Monitoring System for Bridges Using Internet of Things. **2021**, 781-790

225   A Review of Applications, Security and Challenges of Internet of Medical Things. **2021**, 1-23   1

224   Enhancing citizens trust in technologies for data donation in clinical research: validation of a design prototype. **2020**,   0

223   Smartphone and Sensor based Health Monitoring Enabled with IoT and ML. **2020**,

222	IoT-Enabled Healthcare: Benefits, Issues and Challenges?. **2020**,		0
221	Attack and Anomaly Prediction in IoT Networks using Machine Learning Approaches. **2021**,		
220	Internet of Things in the Bathroom: Smart Health-Monitoring Bidet System. **2021**, 2021, 1-9		
219	A Survey of Societal Applications of IOT. **2022**, 73-99		
218	GNSS-Free Outdoor Localization Techniques for Resource-Constrained IoT Architectures: A Literature Review. **2021**, 11, 10793		3
217	A Perspective Roadmap for IoMT-Based Early Detection and Care of the Neural Disorder, Dementia. **2021**, 2021, 6712424		8
216	IoT-Based Real-Time HRV Performance Analysis. **2022**, 85-92		
215	A Novel CMOS reconfigurable rectifier for wearable piezoelectric energy harvesters. **2021**, 21,		0
214	A Privacy-Oriented Approach for Depression Signs Detection Based on Speech Analysis. **2021**, 10, 2986		
213	Edge-assisted Solutions for IoT-based Connected Healthcare Systems: A Literature Review. **2021**, 1-1		2
212	. **2021**, 1-1		1
211	A Customizable Architecture for Application-Centric Management of Context-Aware Applications. *IEEE Access*, **2022**, 10, 1603-1625	3.5	0
210	A New Approach for Secure Cloud-Based Electronic Health Record and its Experimental Testbed. *IEEE Access*, **2022**, 10, 1082-1095	3.5	1
209	A review of enabling technologies for Internet of Medical Things (IoMT) Ecosystem. **2022**, 13, 101660		6
208	Intelligent IoT (I2oT) Biomedical Wearable System based on Smartphone Application. **2020**,		
207	EVAL Cane: An IoT based Smart Cane for the Evaluation of Walking Gait and Environment. **2020**,		2
206	Research on Agricultural Internet of Things Data Sharing System Based on Blockchain. **2020**,		1
205	Performance Analysis of Cognitive-Radio IoT Networks. **2020**,		

204   IoT and Cloud Based Healthcare Solution for Diabetic Foot Ulcer. **2020**,   1

203   Proposed a Framework for Depression Monitoring System by Detecting the Facial Expression using Soft Computing Algorithm. **2021**, 1, 5-7

202   Real-Time Patient Ailment Monitoring Framework Collaborating Enhanced CNN Architectures. **2021**,

201   Health Measure Kit and Finding A Potential Covid-19 Suspect Using IoT. **2021**,

200   Senior healthcare testbed design and construction: focusing on the temperature control system. **2021**,

199   Design of Contact Force for Ultrasonic Scanner. **2021**,

198   Human Activity Recognition Using Portable EEG Sensor and Support Vector Machine. **2021**,   1

197   The Role of Emerging Technologies in Smart Healthcare. **2022**, 1-17

196   Digital Health Infrastructure. **2022**, 701-714

195   Lightweight and Anonymous Mutual Authentication Protocol for Edge IoT Nodes with Physical Unclonable Function. **2022**, 2022, 1-11   1

194   Personalized On-Device E-health Analytics with Decentralized Block Coordinate Descent.. **2022**, PP,   0

193   IoT data analytics architecture for smart healthcare using RFID and WSN.   2

192   Deep Belief Neural Network for 5G Diabetes Monitoring in Big Data on Edge IoT. 1   2

191   Blockchain and Fog Computing in IoT-Driven Healthcare Services for Smart Cities.. **2022**, 2022, 9957888   4

190   Breaking Barriers in Emerging Biomedical Applications.. **2022**, 24,   1

189   IoMT-Enabled Real-time Blood Glucose Prediction with Deep Learning and Edge Computing. **2022**, 1-1   6

188   An IoT-Based Smart System with an MQTT Broker for Individual Patient Vital Sign Monitoring in Potential Emergency or Prehospital Applications.. **2022**, 2022, 7245650   4

187   Smart Security for Industrial and Healthcare IoT Applications. **2022**, 353-371

186	A Secured Smart Healthcare Monitoring Systems Using Blockchain Technology. **2022**, 127-143	2
185	A novel compact broadband and radiation efficient antenna design for medical IoT healthcare system.. **2022**, 19, 3909-3927	0
184	Graph-based Denoising for Respiration and Heart Rate Estimation during Sleep in Thermal Video. **2022**, 1-1	1
183	Hybrid approach of baum-welch algorithm and SVM for sensor fault diagnosis in healthcare monitoring system. **2022**, 1-10	0
182	An Efficient Elderly Disease Prediction and Privacy Preservation Using Internet of Things. **2022**, 369-392	
181	Electronic Textiles for Wearable Point-of-Care Systems.. **2021**,	50
180	Review on Deep Learning Algorithms in Medical Devices. **2021**, 1-27	
179	Game Theory Based Privacy Preserving Approach for Collaborative Deep Learning in IoT. **2021**, 127-149	0
178	Analysis of (IoT)-Based Healthcare Framework System Using Machine Learning. **2022**, 219-237	
177	Attacks and Countermeasures in IoT Based Smart Healthcare Applications. **2022**, 67-90	5
176	Usage of WBAN Systems and IoT Solutions in a Medical Environment. **2022**, 297-311	
175	Cellulose Based Flexible and Wearable Sensors for Health Monitoring.	0
174	Arduino-Based Smart Walker Support for the Elderly. **2022**, 483-497	0
173	Edge-IoMT-based enabled architecture for smart healthcare system. **2022**, 1-27	1
172	Barriers and Benefits of Information Communication Technologies Used by Health Care Aides.. **2022**, 13, 270-286	2
171	A Multilayered Hybrid Access Control Model for Cloud-Enabled Medical Internet of Things. **2022**, 455-471	
170	Machine Learning (ML) based Human Activity Recognition Model using Smart Sensors in IoT Environment. **2022**,	1
169	Biomedical IoT: Enabling Technologies, Architectural Elements, Challenges, and Future Directions.. *IEEE Access*, **2022**, 10, 31306-31339	3.5	2

168   Thinking Out of the Blocks: Holochain for Distributed Security in IoT Healthcare. *IEEE Access*, **2022**, 1-1   3.5   2

167   Deployment of Machine Learning Based Internet of Things Networks for Tele-Medical and Remote Healthcare. **2022**, 305-317

166   SPoTKD: A Protocol for Symmetric Key Distribution Over Public Channels Using Self-Powered Timekeeping Devices. **2022**, 17, 1159-1171   0

165   Data Protection and Privacy of the Internet of Healthcare Things (IoHTs). **2022**, 12, 1927   8

164   Modeling and Reasoning of Contexts in Smart Spaces Based on Stochastic Analysis of Sensor Data. **2022**, 12, 2452

163   Interdisciplinary research unlocking innovative solutions in healthcare. **2022**, 102511   1

162   Industry 4.0 and Digitalisation in Healthcare.. **2022**, 15,   6

161   Handfan: A flexible peer-to-peer service discovery system for internet of things applications. **2022**,

160   A Contrastive Predictive Coding-Based Classification Framework for Healthcare Sensor Data.. **2022**, 2022, 5649253

159   Institutional development in an information-driven economy: can ICTs enhance economic growth for low- and lower middle-income countries?. 1-20   0

158   STEAC: Towards secure, traceable, and efficient cryptographic access control scheme in smart healthcare. 1   1

157   Smart mask Wearable IoT solution for improved protection and personal health. **2022**, 18, 100511   5

156   Blockchain in healthcare and IoT: A systematic literature review. **2022**, 14, 100139   6

155   IoT based Voice Controlled Smart Health Sensor System. **2021**,

154   Edge computing in 5G cellular networks for real-time analysis of electrocardiography recorded with wearable textile sensors. **2021**, 2021, 1735-1739   0

153   Review on the wearable health-care monitoring system with robust motion artifacts reduction techniques. **2022**, 42, 19-38   0

152   Examining the Adoption and Application of Internet of Things for Smart Cities. **2022**, 97-119   1

151   Future Internet of Things: A Framework for Next Generation Smart Cities. **2021**,

150	Analysis of Different Mobile IoT Models in Smart City Planning: A Technical Investigation of Software & Hardware Architecture. **2021**,	
149	Indoor Air Quality: An Emerging Problem Domain. **2022**, 1-8	
148	Medical 4.0 technologies for healthcare: Features, capabilities, and applications. **2022**, 2, 12-30	6
147	Integration of IoMT SensorsData from Mobile Applications into Cloud Based Personal Health Record. **2022**, 175-187	
146	Beyond Pathogen Filtration: A Scoping Review on Smart Masks to Aid Health Intervention (Preprint).	
145	Cloud-Based Remote Patient Monitoring System with Abnormality Detection and Alert Notification.	0
144	A Comprehensive Survey on RF Energy Harvesting: Applications and Performance Determinants.. **2022**, 22,	1
143	Intelligent Edge Load Migration in SDN-IIoT for Smart Healthcare. **2022**, 1-1	1
142	FIWARE-based Telemedicine Apps Modeling for Patients' Data Management. **2022**, 1-1	0
141	Biobanks and Artificial Intelligence. **2022**, 81-93	0
140	Study on Recent Trends of Smart Wearable. **2022**,	
139	IoT enabled applications for Healthcare decisions. **2022**,	
138	Smart Healthcare and Intelligent Medical Systems. **2022**, 205-228	1
137	Integration of ML and IoT for Healthcare Systems. **2022**, 115-138	
136	6TiSCH IPv6 Enabled Open Stack IoT Network Formation: A Review.	
135	Low Latency Fog-Centric Deduplication Approach to Reduce IoT Healthcare Data Redundancy. 1	0
134	Home Based Monitoring for Smart Health-Care Systems: A Survey. **2022**, 2022, 1-10	2
133	5G and Blockchain Enabled Lightweight Solutions for Containing COVID-19. **2022**, 2022, 1-12	0

114	PUFchain 2.0: Hardware-Assisted Robust Blockchain for Sustainable Simultaneous Device and Data Security in Smart Healthcare. **2022**, 3,	3
113	A Novel Approach for an IoT-Based U-Healthcare System. **2022**, 247-260	
112	An In-Depth Review on Blockchain Simulators for IoT Environments. **2022**, 14, 182	0
111	Self-Sovereignty Identity Management Model for Smart Healthcare System. **2022**, 22, 4714	1
110	Application Placement in Fog-Enabled Internet of Things (IoT) Healthcare System Using Body Sensor Networks. **2022**, 383-408	
109	Human Activity Recognition Based on Embedded Sensor Data Fusion for the Internet of Healthcare Things. **2022**, 10, 1084	3
108	An IoT-based interoperable architecture for wireless biomonitoring of patients with sensor patches. **2022**, 100547	0
107	Challenges of Handling Data in IoT-Enabled Healthcare. **2022**, 101-118	
106	Main Challenges and Concerns of IoT Healthcare. **2022**, 75-100	
105	The Medical Internet of Things: A Review of Intelligent Machine Learning and Deep Learning Applications for Leveraging Healthcare. **2022**, 49-73	
104	Applications of IoT and Blockchain Technologies in Healthcare: Detection of Cervical Cancer Using Machine Learning Approaches. **2022**, 351-377	1
103	Wearable Sensors and Machine Intelligence for Smart Healthcare. **2022**, 3-22	
102	The Road-ahead for E-healthcare 4.0: A Review of Security Challenges. **2022**,	
101	SRDSS:Smart Regenerative Deceleration and Safety System using IoT in ElectricVehicle. **2022**,	0
100	The Vision-Based Data Reader in IoT System for Smart Factory. **2022**, 12, 6586	1
99	Investigation into Smart Healthcare Monitoring System in an IoT Environment. 73-77	
98	A Review of Technologies Trending Towards 5G Networks for Smart Healthcare Using IoT. **2022**, 48-59	
97	A Business-to-Business Collaboration System That Promotes Data Utilization While Encrypting Information on the Blockchain. **2022**, 22, 4909	0

96   Time to forge ahead: The Internet of Things for healthcare. **2022**,   1

95   Energy Efficiency in IoT-Based Smart Healthcare. **2023**, 503-515   0

94   Ephemeral data handling in microservices with Tquery. 8, e1037

93   Deep Neural Networks for Dynamic Attribute based Encryption in IoT-Fog Environment. **2022**,

92   DDAS: Distributed Delay Aware Scheduling for DSME based IoT Network Applications in Smart Cities. **2022**,

91   Visible Light Communication and localization: A study on tracking solutions for Industry 4.0 and the Operator 4.0. **2022**, 64, 535-545

90   An Efficient and Privacy-Preserving Scheme for Disease Prediction in Modern Healthcare Systems. **2022**, 22, 5574   2

89   Towards Strengthening the Security of Healthcare Devices using Secure Configuration Provenance. **2022**,

88   Enabling Artificial Intelligence of Things (AIoT) Healthcare Architectures and Listing Security Issues. **2022**, 2022, 1-14   3

87   The Internet of Things in Healthcare: Benefits, Use Cases, and Major Evolutions. **2022**, 387-405   0

86   Data mining with deep learning in biomedical data. **2022**, 1-20   0

85   Internet of Things (IoT) System Security Vulnerabilities and Its Mitigation. **2022**, 137-156   0

84   IoT-Based COVID-19 Diagnosing and Monitoring Systems: A Survey. **2022**, 10, 87168-87181   0

83   Age-Energy Tradeoff in Random-Access Poisson Networks. **2022**, 1-1   0

82   An Expeditious kNN Algorithm for Massive IoT Data Classification. **2022**,   0

81   Machine Learning Techniques for Intrusion Detection in Smart Healthcare Systems: A Comparative Analysis. **2022**,   0

80   Health Data Availability Protection: Delta-XOR-Relay Data Update in Erasure-Coded Cloud Storage Systems. **2023**, 135, 169-185   0

79   Integrated Industrial Reference Architecture for Smart Healthcare in Internet of Things: A Systematic Investigation. **2022**, 15, 309   1

78	A hybrid SOM and HMM classifier in a Fog Computing gateway for Ambient Assisted Living Environment. **2022**,	0
77	A Comprehensive Review on Smart Health Care: Applications, Paradigms, and Challenges with Case Studies. **2022**, 2022, 1-18	0
76	Smart Healthcare System (SHS): Medical Tourism Delivering, Consumption, and Elevating Tool in the Ages of Smart Technologies. 1-19	0
75	Smart Health Care by Harnessing the Internet of Things (IoT): Applications, Challenges, and Future Aspects. **2023**, 35-54	0
74	Blockchain-driven Smart Healthcare System: Challenges, Technologies and Future Research. **2023**, 97-110	0
73	Actual Use Behavior Assessment of a Novel Puff Recording Electronic Nicotine Delivery System: An Observation Study (Preprint).	0
72	To the issue of the essential content of the digital environment of the provision of medical services. **2021**, 40, 73-77	0
71	Internet of Things (IoT) for Secure and Sustainable Healthcare Intelligence: Analysis and Challenges. **2022**, 45-59	0
70	Internet of Things in the global healthcare sector: Significance, applications, and barriers. **2022**, 3, 165-175	1
69	A Review of RFID-based Internet of Things in the Healthcare Area, the New Horizon of RFID. **2022**, 207, 4151-4160	0
68	Comprehensive Open-Source SCA Course Modules for Hands-On IoT Security Education. **2022**, 125-139	0
67	Multiple-dimension Biohealth Data Acquisition System for 5G Tele-healthcare Application. **2022**, 1-9	0
66	IoT in E-Health, Assisted Living, and E-Wellness. **2022**, 17-38	0
65	Smart Rural Village Healthcare and Energy Indicators Twin Enablers to Smart Rural Life. **2022**, 14, 12466	0
64	From Identification to Sensing: RFID Is One of the Key Technologies in the IoT Field. **2022**, 22, 7523	1
63	Artificial intelligence in cardiology: Hope for the future and power for the present. 9,	0
62	A Step toward Next-Generation Advancements in the Internet of Things Technologies. **2022**, 22, 8072	5
61	Applications of Internet of Things in Telemedicine. **2022**, 1-25	0

60	Quality-enabled decentralized dynamic IoT platform with scalable resources integration.	0
59	A Systematic Literature Review of Enabling IoT in Healthcare: Motivations, Challenges, and Recommendations. **2022**, 11, 3223	4
58	A Facial Expression Recognition Approach for Social IoT Frameworks. **2022**, 30, 100353	0
57	IoT-Deep Learning Based Activity Recommendation System. **2023**, 45, 2001-2016	0
56	Review on Deep Learning Algorithms in Medical Devices. **2022**, 967-993	0
55	Flexible Security and Privacy, System Architecture for IoT, in Healthcare. **2022**,	0
54	Towards an Adaptive Internet of Healthcare Things (IoHT) Authentication Data Model (Preprint).	0
53	Integration of cloud computing with the Internet of things for the treatment and management of the COVID-19 pandemic.	0
52	IoT-Based Patient Health Data Using Improved Context-Aware Data Fusion and Enhanced Recursive Feature Elimination Model. **2022**, 10, 128318-128335	0
51	Enabling Ambient Intelligence of Things (AIoT) healthcare system architectures. **2023**, 198, 186-194	2
50	A pairing-free data authentication and aggregation mechanism for Intelligent Healthcare System. **2023**, 198, 282-296	0
49	Link Budget Analysis for Backscatter-Based Passive IoT. **2022**, 10, 128890-128922	0
48	Decentralized Access Control for Secure Microservices Cooperation with Blockchain. **2022**, 598-614	0
47	Internet of Things: Device Capabilities, Architectures, Protocols, and Smart Applications in Healthcare Domain. **2022**, 1-1	1
46	Feasibility of using Gyroscope to Derive Keys for Mobile Phone and Smart Wearable. **2022**,	0
45	SWeeT: Security Protocol for Wearables Embedded Devices Data Transmission. **2022**,	0
44	Mirai Botnet Attacks on IoT Applications: Challenges and Controls. **2023**, 49-67	0
43	Towards an IoT Framework for Wellness Assessment. **2022**,	0

42	Blockchain With the Internet of Things for Secure Healthcare Service Using Lightweight Cryptography. **2022**, 60-93	0
41	Development of an Intelligent System for the Monitoring and Diagnosis of the Well-Being. **2022**, 22, 9719	0
40	Application of internet of things in healthcare domain.	0
39	A Localized Bloom Filter-Based CP-ABE in Smart Healthcare. **2022**, 12, 12720	0
38	Nurse, Give Me the News! Understanding Support for and Opposition to a COVID-19 Health Screening System. **2023**, 20, 1164	1
37	Mathematical Model and Artificial Intelligence for Diagnosis of Alzheimer's Disease.	0
36	Actual Use Behavior Assessment of a Novel Puff Recording Electronic Nicotine Delivery System: An Observation Study (Preprint).	0
35	An Efficient Pulse Detector with Arduino and IR Sensor. **2022**,	0
34	Security Implications of IoT Applications with Cryptography and Blockchain Technology in Healthcare Digital Twin Design. **2022**, 229-252	0
33	Blockchain-based Security for Internet of Medical Things Application. **2022**,	0
32	An Overview of Internet of Things Related Protocols, Technologies, Challenges and Application. **2022**, 33-52	0
31	Vulnerabilities in IoT Systems. **2022**, 213-235	0
30	Remote Breast Cancer Patient Monitoring System: An Extensive Review. **2023**, 117-128	0
29	Real Time Broadcast Scheduling in Tsch for Smart Healthcare Using Cuckoo Search Algorithm.	0
28	Emergence of blockchain technology in the healthcare and insurance industries. **2023**, 167-182	0
27	Inertial Sensor-Based Sport Activity Advisory System Using Machine Learning Algorithms. **2023**, 23, 1137	1
26	IoT for Smart Healthcare: Opportunities, Challenges and Technology. **2022**,	0
25	FedACL: Federated Multi-Distillation with Auxiliary Classification Layers in IoT. **2022**,	0

24	Defective node detection by employing DS theory and RP model for secure internet of things networks. **2023**, 27, 100752	0
23	The Internet of Things (IoT) in healthcare: Taking stock and moving forward. **2023**, 22, 100721	0
22	A disposable enzymatic biofuel cell for glucose sensing via short-circuit current. **2023**, 230, 115272	0
21	Design of deep learning model for radio resource allocation in 5G for massive iot device. **2023**, 56, 103054	0
20	LoRa-Based IoT Network Assessment in Rural and Urban Scenarios. **2023**, 23, 1695	0
19	Horizontally Distributed Inference of Deep Neural Networks for AI-Enabled IoT. **2023**, 23, 1911	0
18	A Lightweight Three-Party Mutual Authentication Protocol for Internet of Health Things Systems. **2023**, 2023, 1-15	0
17	SmartWear - An Integrated Watch for Patients. **2022**,	0
16	Security Issues in IoT: A Review. **2022**,	0
15	LoRA-IoT based Intelligent Healthcare Device for Physically Challenged People in Hospital Application using Artificial Intelligence. **2022**,	0
14	IoT Applications With Cryptography and Blockchain Technology in Healthcare Digital Twin Design. **2023**, 220-249	0
13	Email Spam detection in IoT based on Hybrid deep learning model and multi-objective optimization by NSGA II.	0
12	Internet of Things-Based Centralised Water Distribution Monitoring System. **2023**, 47-57	0
11	GPS-free synchronized pseudo-random number generators for internet-of-things. 5,	0
10	Deep Learning Techniques for using Intelligent Internet of Things Appliances to Protect Health Department Information. **2022**,	0
9	IoT: An Objective Analysis of Architecture, Challenges and Performance Comparison of Various Application Layer Protocols. **2022**,	0
8	An ultra-low quiescent current tri-mode DC-DC boost converter with 95.6% peak efficiency for internet of things application.	0
7	Cryptographic methods for eHealth cloud applications using Iot based 5G: Comparison study. **2022**,	0

6	Trends in Smart Healthcare Systems for Smart Cities Applications. **2023**,	0
5	Improvement of the IoT Computing Platform for water meter network. **2022**,	0
4	AI-Based Internet of Things (AIoT). **2023**, 105-130	0
3	A systematic review of neurophysiological sensing for the assessment of acute pain. **2023**, 6,	0
2	Intrusion Detection Framework in IoT Networks. **2023**, 4,	0
1	Survey on IoMT: Amalgamation of Technologies-Wearable Body Sensor Network, Wearable Biosensors, ML and DL in IoMT. **2023**, 43-55	0