

# M Anwar Hossain

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

2,722  
citations

361296

20  
h-index

197736

49  
g-index

107  
all docs

107  
docs citations

107  
times ranked

3003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal fusion for multimedia analysis: a survey. <i>Multimedia Systems</i> , 2010, 16, 345-379.	3.0	840
2	A Survey on Sensor-Cloud: Architecture, Applications, and Approaches. <i>International Journal of Distributed Sensor Networks</i> , 2013, 9, 917923.	1.3	281
3	Adaptive and context-aware service composition for IoT-based smart cities. <i>Future Generation Computer Systems</i> , 2017, 76, 262-274.	4.9	104
4	A Triaxial Accelerometer-Based Human Activity Recognition via EEMD-Based Features and Game-Theory-Based Feature Selection. <i>IEEE Sensors Journal</i> , 2016, 16, 3198-3207.	2.4	80
5	Modeling and assessing quality of information in multisensor multimedia monitoring systems. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2011, 7, 1-30.	3.0	79
6	From the Service-Oriented Architecture to the Web API Economy. <i>IEEE Internet Computing</i> , 2016, 20, 64-68.	3.2	79
7	Estimating VR Sickness and user experience using different HMD technologies: An evaluation study. <i>Future Generation Computer Systems</i> , 2019, 94, 302-316.	4.9	78
8	Virtual Caregiver: An Ambient-Aware Elderly Monitoring System. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 1024-1031.	3.6	76
9	Edge computing framework for enabling situation awareness in IoT based smart city. <i>Journal of Parallel and Distributed Computing</i> , 2018, 122, 226-237.	2.7	61
10	Robust RGB-D Hand Tracking Using Deep Learning Priors. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018, 28, 2289-2301.	5.6	47
11	Exploring Latent Preferences for Context-Aware Personalized Recommendation Systems. <i>IEEE Transactions on Human-Machine Systems</i> , 2016, 46, 615-623.	2.5	44
12	Evaluating the impact of a cloud-based serious game on obese people. <i>Computers in Human Behavior</i> , 2014, 30, 468-475.	5.1	42
13	Framework for a Cloud-Based Multimedia Surveillance System. <i>International Journal of Distributed Sensor Networks</i> , 2014, 10, 135257.	1.3	37
14	Botanical Internet of Things: Toward Smart Indoor Farming by Connecting People, Plant, Data and Clouds. <i>Mobile Networks and Applications</i> , 2018, 23, 188-202.	2.2	37
15	Motion-path based gesture interaction with smart home services. , 2009, , .		35
16	Situation Awareness in Ambient Assisted Living for Smart Healthcare. <i>IEEE Access</i> , 2017, 5, 20716-20725.	2.6	33
17	A Framework of Adaptive Interaction Support in Cloud-Based Internet of Things (IoT) Environment. <i>Lecture Notes in Computer Science</i> , 2014, , 136-146.	1.0	30
18	A novel comparative deep learning framework for facial age estimation. <i>Eurasip Journal on Image and Video Processing</i> , 2016, 2016, .	1.7	27

#	ARTICLE	IF	CITATIONS
19	Deep Feature Learning for Disease Risk Assessment Based on Convolutional Neural Network With Intra-Layer Recurrent Connection by Using Hospital Big Data. IEEE Access, 2018, 6, 67927-67939.	2.6	26
20	Ant-based service selection framework for a smart home monitoring environment. Multimedia Tools and Applications, 2013, 67, 433-453.	2.6	25
21	Early-Stage Risk Prediction of Non-Communicable Disease Using Machine Learning in Health CPS. IEEE Access, 2021, 9, 96823-96837.	2.6	23
22	Privacy preserving secure data exchange in mobile P2P cloud healthcare environment. Peer-to-Peer Networking and Applications, 2016, 9, 894-909.	2.6	22
23	Chaos-cryptography based privacy preservation technique for video surveillance. Multimedia Systems, 2012, 18, 145-155.	3.0	21
24	A Framework for a Context-Aware Elderly Entertainment Support System. Sensors, 2014, 14, 10538-10561.	2.1	21
25	Smart mirror for ambient home environment. , 2007, , .		20
26	Modeling Quality of Information in Multi-sensor Surveillance Systems. , 2007, , .		20
27	Gain-based Selection of Ambient Media Services in Pervasive Environments. Mobile Networks and Applications, 2008, 13, 599-613.	2.2	20
28	A framework for human-centered provisioning of ambient media services. Multimedia Tools and Applications, 2009, 44, 407-431.	2.6	19
29	A scalable and elastic cloud-assisted publish/subscribe model for IPTV video surveillance system. Cluster Computing, 2015, 18, 1539-1548.	3.5	19
30	RecAm: a collaborative context-aware framework for multimedia recommendations in an ambient intelligence environment. Multimedia Systems, 2016, 22, 587-601.	3.0	19
31	Perspectives of human factors in designing elderly monitoring system. Computers in Human Behavior, 2014, 33, 63-68.	5.1	18
32	Knowledge-driven machine learning based framework for early-stage disease risk prediction in edge environment. Journal of Parallel and Distributed Computing, 2020, 146, 25-34.	2.7	18
33	Learning Multisensor Confidence Using a Reward-and-Punishment Mechanism. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1525-1534.	2.4	17
34	Adaptive interaction support in ambient-aware environments based on quality of context information. Multimedia Tools and Applications, 2013, 67, 409-432.	2.6	17
35	A real-time privacy-sensitive data hiding approach based on chaos cryptography. , 2010, , .		15
36	RFID-based interactive multimedia system for the children. Multimedia Tools and Applications, 2012, 59, 749-774.	2.6	15

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37	Association-based dynamic computation of reputation in web services. International Journal of Web and Grid Services, 2008, 4, 169.	0.4	14
38	Building Dynamic Communities of Interest for Internet of Things in Smart Cities. Sensors, 2020, 20, 2986.	2.1	14
39	Suitability of Searching and Representing Multimedia Learning Resources in a 3-D Virtual Gaming Environment. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1830-1839.	2.4	13
40	Photo sundial: Estimating the time of capture in consumer photos. Neurocomputing, 2016, 177, 529-542.	3.5	12
41	A Novel Framework for Recommending Data Mining Algorithm in Dynamic IoT Environment. IEEE Access, 2020, 8, 157333-157345.	2.6	12
42	Efficient Virtual Machine Resource Management for Media Cloud Computing. KSII Transactions on Internet and Information Systems, 2014, 8, 1567-1587.	0.7	12
43	Efficient Resource Management for Cloud-enabled Video Surveillance over Next Generation Network. Mobile Networks and Applications, 2016, 21, 806-821.	2.2	11
44	An ODT-based abstraction for mining closed sequential temporal patterns in IoT-cloud smart homes. Cluster Computing, 2017, 20, 1815-1829.	3.5	11
45	Privacy Analysis of Smart City Healthcare Services. , 2017, , .		11
46	Digital twins for well-being: an overview. Digital Twin, 0, 1, 7.	0.0	11
47	Context-aware Qol computation in multi-sensor systems. , 2008, , .		10
48	A multimedia-driven ambient edutainment system for the young children. , 2008, , .		10
49	Spatial-geometric approach to physical mobile interaction based on accelerometer and IR sensory data fusion. ACM Transactions on Multimedia Computing, Communications and Applications, 2010, 6, 1-23.	3.0	10
50	Analyzing the Suitability of Cloud-Based Multimedia Surveillance Systems. , 2013, , .		10
51	Health monitoring of obese people through a cloud-based serious game framework. , 2013, , .		9
52	From Sensing to Alerting: a Pathway of RESTful Messaging in Ambient Assisted Living. IEEE Wireless Communications, 2016, 23, 102-110.	6.6	9
53	A cloud-based pervasive serious game framework to support obesity treatment. Computer Science and Information Systems, 2013, 10, 1229-1246.	0.7	9
54	RESTful Discovery and Eventing for Service Provisioning in Assisted Living Environments. Sensors, 2014, 14, 9227-9246.	2.1	8

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55	Cloud-based mobile IPTV terminal for video surveillance. , 2014, , .		8
56	Hybrid service matchmaking in ambient assisted living environments based on context-aware service modeling. Cluster Computing, 2015, 18, 1171-1188.	3.5	8
57	Towards context-aware media recommendation based on social tagging. Journal of Intelligent Information Systems, 2016, 46, 499-516.	2.8	8
58	Secure privacy vault design for distributed multimedia surveillance system. Future Generation Computer Systems, 2016, 55, 344-352.	4.9	8
59	Digital twins for well-being: an overview. Digital Twin, 0, 1, 7.	0.0	8
60	Learning Multi-Sensor Confidence using Difference of Opinions. , 2008, , .		7
61	Automatic scheduling of CCTV camera views using a human-centric approach. , 2008, , .		6
62	Magic stick: A tangible interface for the edutainment of young children. , 2009, , .		6
63	A game-based incentive model for service cooperation in VANETs. Concurrency Computation Practice and Experience, 2016, 28, 674-687.	1.4	6
64	An Efficient Key Management Technique for the Internet of Things. Sensors, 2020, 20, 2049.	2.1	6
65	Authoring multimedia objects in collaborative ambient intelligent virtual environment. , 0, , .		5
66	A Human Caregiver Support System in Elderly Monitoring Facility. , 2012, , .		5
67	A Multiconstrained QoS Aware MAC Protocol for Cluster-Based Cognitive Radio Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 262871.	1.3	5
68	SDN-SPS: Semi-Physical Simulation for Software-Defined Networks. IEEE Sensors Journal, 2016, 16, 7355-7363.	2.4	5
69	Quality-driven human-centered approach for service provisioning in ambient environment. , 2008, , .		4
70	<title>A method for computing the reputation of multimedia services through selection and composition</title>. , 2008, , .		4
71	Determining trust in media-rich websites using semantic similarity. Multimedia Tools and Applications, 2012, 60, 69-96.	2.6	4
72	Collective control over sensitive video data using secret sharing. Multimedia Tools and Applications, 2014, 73, 1459-1486.	2.6	4

#	ARTICLE	IF	CITATIONS
73	Perspective of health data interoperability on cloud-based Medical Cyber-Physical Systems. , 2016, , .		4
74	Sensor-Web Systems, Applications, and Services. International Journal of Distributed Sensor Networks, 2016, 12, 5349568.	1.3	4
75	Collaborative recommendation of ambient media services. , 2014, , .		3
76	Guest editorial: Advances in multimedia surveillance. Multimedia Tools and Applications, 2014, 73, 1-5.	2.6	3
77	Safety-enabled restful messaging in Ambient-Assisted Living. , 2015, , .		3
78	PWCT: a novel general-purpose visual programming language in support of pervasive application development. CCF Transactions on Pervasive Computing and Interaction, 2020, 2, 164-177.	1.7	3
79	Architecture for 3D navigation and authoring of distributed learning object repositories. , 0, , .		2
80	Ontology-Based Unification of MPEG-7 Semantic Descriptions. , 2006, , .		2
81	Multimedia Content Repurposing in Ambient Intelligent Environments. , 2007, , .		2
82	Dynamic gain estimation in ambient media services. , 2008, , .		2
83	Human-coordinated camera control for monitoring public spaces. , 2010, , .		2
84	Scalable service configuration for ubiquitous health. , 2011, , .		2
85	Context-aware elderly entertainment support system in assisted living environment. , 2013, , .		2
86	A Lightweight Secure Data Aggregation Technique for Wireless Sensor Network. , 2014, , .		2
87	Reusing Software Libraries Using Semantic Graphs. , 2016, , .		2
88	Developing and Implementing Next-Generation Computer-Aided Dispatch: Challenges and Opportunities. Journal of Homeland Security and Emergency Management, 2017, 14, .	0.2	2
89	A Review on Recommending Solutions for Bugs Using Crowdsourcing. , 2018, , .		2
90	MeTaMaF: Metadata Tagging and Mapping Framework for Managing Multimedia Content. , 2006, , .		1

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91	Management of Ambient Media Preferences in Distributed Environments for Service Personalization. Parallel Architectures, Algorithms and Networks (I-SPAN), Proceedings of the International Symposium on, 2008, , .	0.0	1
92	A framework for adaptive interaction support based on quality of context information. , 2011, , .		1
93	An analytical G/M/1 queueing model for providing guaranteed QoS in multimedia surveillance. , 2011, , .		1
94	A framework for computing quality of information in multi-sensor systems. , 2012, , .		1
95	A collaboration architecture for distributed smart surveillance systems based on DoDAF 2.0. , 2012, , .		1
96	Dynamic prioritization of multi-sensor feeds for resource limited surveillance systems. , 2012, , .		1
97	Utility based decision support engine for camera view selection in multimedia surveillance systems. Multimedia Tools and Applications, 2014, 73, 219-240.	2.6	1
98	Energy efficient cognitive radio MAC protocol for battlefield communications. , 2015, , .		1
99	Cloud-based parametrized publish/subscribe system for public safety applications in smarter cities. , 2016, , .		1
100	Utilizing Semantic Techniques for Automatic Code Reuse in Software Repositories. Advances in Intelligent Systems and Computing, 2018, , 42-62.	0.5	1
101	IoT-enabled model for Digital Twin Of Mental Stress (DTMS). , 2021, , .		1
102	A Multimedia-Based System for Monitoring Sleepwalkers. , 2007, , .		0
103	Towards Privacy Preserving Multimedia Surveillance System: A Secure Privacy Vault Design. , 2013, , .		0
104	EMASC14. , 2014, , .		0
105	Alert-response for distributed surveillance: DODAF-based services and systems. , 2014, , .		0
106	Boosting tag-based search in social media sites. , 2015, , .		0
107	Post COVID-19 Intelligent Public Healthcare Management. , 2021, , .		0