Ali Sunyaev

List of Publications by Year
in descending order

119	2,848	361413	243625
papers	citations	20 h-index	44 g-index

148	148	148	2413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Why Don't You Join In? A Typology of Information System Certification Adopters. Decision Sciences, 2022, 53, 452-485.	4.5	8
2	A multi-perspective lens on web assurance seals: contrasting vendorsâ€™ intended and consumersâ€™ perceived effects. Electronic Commerce Research, 2022, 22, 1573-1615.	5.0	11
3	Challenges and Common Solutions in Smart Contract Development. IEEE Transactions on Software Engineering, 2022, 48, 4291-4318.	5.6	16
4	Let the Computer Say NO! The Neglected Potential of Policy Definition Languages for Data Sovereignty. DuD-Fachbeitrag̀e, 2022, , 449-468.	0.2	2
5	A scoping review of distributed ledger technology in genomics: thematic analysis and directions for future research. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1433-1444.	4.4	6
6	Gamified Expert Annotation Systems: Meta-Requirements and Tentative Design. Lecture Notes in Computer Science, 2022, , 154-166.	1.3	1
7	Perceived fairness of direct-to-consumer genetic testing business models. Electronic Markets, 2022, 32, 1621-1638.	8.1	5
8	Trustworthy artificial intelligence. Electronic Markets, 2021, 31, 447-464.	8.1	179
9	Security in Distributed Ledger Technology: An Analysis of Vulnerabilities and Attack Vectors. Lecture Notes in Networks and Systems, 2021, , 722-742.	0.7	4
10	Token Economy. Business and Information Systems Engineering, 2021, 63, 457-478.	6.1	53
11	When Data Fly: An Open Data Trading System in Vehicular Ad Hoc Networks. Electronics (Switzerland), 2021, 10, 654.	3.1	4
12	Trustworthy machine learning for health care. , 2021, , .		3
13	How detection ranges and usage stops impact digital contact tracing effectiveness for COVID-19. Scientific Reports, 2021, 11, 9414.	3.3	16
14	A Taxonomy of IS Certification's Characteristics. , 2021, , .		2
15	Artificial Intelligence as a Service. Business and Information Systems Engineering, 2021, 63, 441-456.	6.1	36
16	Conceptual Ambiguity Surrounding Gamification and Serious Games in Health Care: Literature Review and Development of Game-Based Intervention Reporting Guidelines (GAMING). Journal of Medical Internet Research, 2021, 23, e30390.	4.3	23
17	Trade-offs between Distributed Ledger Technology Characteristics. ACM Computing Surveys, 2021, 53, 1-37.	23.0	86
18	Security Engineering of Patient-Centered Health Care Information Systems in Peer-to-Peer Environments: Systematic Review. Journal of Medical Internet Research, 2021, 23, e24460.	4.3	3

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19	Adaptive and Personalized Gamification Designs: Call for Action and Future Research. AIS Transactions on Human-Computer Interaction, 2021, 13, 479-494.	1.5	3
20	Distributed Ledger Technology in genomics: a call for Europe. European Journal of Human Genetics, 2020, 28, 139-140.	2.8	19
21	The Merits of a Decentralized Pollution-Monitoring System Based on Distributed Ledger Technology. IEEE Access, 2020, 8, 189365-189381.	4.2	13
22	Internet Computing. , 2020, , .		45
23	On the Convergence of Artificial Intelligence and Distributed Ledger Technology: A Scoping Review and Future Research Agenda. IEEE Access, 2020, 8, 57075-57095.	4.2	59
24	Design of Good Information Systems Architectures. , 2020, , 51-81.		1
25	Security and Privacy Requirements for Cloud Computing in Healthcare. ACM Transactions on Management Information Systems, 2020, 11, 1-29.	2.8	15
26	Valuable Genomes: Taxonomy and Archetypes of Business Models in Direct-to-Consumer Genetic Testing. Journal of Medical Internet Research, 2020, 22, e14890.	4.3	16
27	Archetypes of Gamification: Analysis of mHealth Apps. JMIR MHealth and UHealth, 2020, 8, e19280.	3.7	36
28	The Role of Gamification in Health Behavior Change: A Review of Theory-driven Studies. , 2020, , .		19
29	Beyond Data Markets: Opportunities and Challenges for Distributed Ledger Technology in Genomics. , 2020, , .		9
30	Bridges Between Islands: Cross-Chain Technology for Distributed Ledger Technology. , 2020, , .		39
31	Do Not Be Fooled: Toward a Holistic Comparison of Distributed Ledger Technology Designs. , 2020, , .		12
32	Introduction to Internet Computing. , 2020, , 1-24.		0
33	Critical Information Infrastructures. , 2020, , 339-372.		3
34	Information Systems Architecture. , 2020, , 25-49.		1
35	Internet Architectures. , 2020, , 83-124.		0
36	Grundlagen zur Zertifizierung von Cloud-Services. , 2019, , 5-27.		0

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37	Are We Ready to Play in the Cloud? Developing new Quality Certifications to Tackle Challenges of Cloud Gaming Services. , 2019, , .		1
38	Consumer Perceptions of Online Behavioral Advertising. , 2019, , .		5
39	What Does Not Fit Can Be Made to Fit! Trade-Offs in Distributed Ledger Technology Designs. SSRN Electronic Journal, 2019, , .	0.4	5
40	Context matters: A review of the determinant factors in the decision to adopt cloud computing in healthcare. International Journal of Information Management, 2019, 48, 120-138.	17.5	60
41	iRODS metadata management for a cancer genome analysis workflow. BMC Bioinformatics, 2019, 20, 29.	2.6	3
42	Strategic signaling through cloud service certifications: Comparing the relative importance of certificationsâ€™ assurances to companies and consumers. Journal of Strategic Information Systems, 2019, 28, 101579.	5.9	18
43	Design Principles for Systematic Search Systems: A Holistic Synthesis of a Rigorous Multi-cycle Design Science Research Journey. Business and Information Systems Engineering, 2019, 61, 91-111.	6.1	26
44	Security of Critical Information Infrastructures. , 2019, , 319-339.		5
45	Investigating the Relationship Between User Ratings and Gamification â€“ A Review of mHealth Apps in the Apple App Store and Google Play Store. , 2019, , .		11
46	From Hype to Reality: A Taxonomy of Blockchain Applications. , 2019, , .		42
47	What Does Not Fit Can be Made to Fit! Trade-Offs in Distributed Ledger Technology Designs. , 2019, , .		22
48	Anhang: Vorgehensweise. , 2019, , 243-250.		0
49	Marktpotenzial einer kontinuierlichen Zertifizierung. , 2019, , 223-238.		0
50	Kontinuierliche Zertifizierungsverfahren. , 2019, , 93-127.		0
51	An Open Multimodal Mobility Platform Based on Distributed Ledger Technology. Lecture Notes in Computer Science, 2019, , 41-52.	1.3	8
52	Fazit & Ausblick. , 2019, , 239-242.		0
53	Messverfahren zur DurchfÃ¼hrung von kontinuierlichen Zertifizierungen. , 2019, , 147-188.		0
54	Kriterienkatalog zur Zertifizierung von Cloud-Services. , 2019, , 43-91.		0

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55	Anforderungen und Rahmenbedingungen von kontinuierlichen Zertifizierungen. , 2019, , 129-146.		0
56	Trust is Good, Control is Better: Creating Secure Clouds by Continuous Auditing. IEEE Transactions on Cloud Computing, 2018, 6, 890-903.	4.4	78
57	How do Requirements Evolve over Time? A Case Study Investigating the Role of Context and Experiences in the Evolution of Enterprise Software Requirements. Journal of Information Technology, 2018, 33, 151-170.	3.9	14
58	Special Section: The Transformative Value of Cloud Computing: A Decoupling, Platformization, and Recombination Theoretical Framework. Journal of Management Information Systems, 2018, 35, 719-739.	4.3	94
59	Vergleich existierender Zertifizierungen zum Nachweis vertrauenswÃ¼rdiger Cloud-Services. , 2018, , 81-90.		2
60	Rethinking the Meaning of Cloud Computing for Health Care: A Taxonomic Perspective and Future Research Directions. Journal of Medical Internet Research, 2018, 20, e10041.	4.3	29
61	Whatâ€™s in the Game? Developing a Taxonomy of Gamification Concepts for Health Apps. , 2018, , .		19
62	Konzeptionelle Architektur von dynamischen Zertifizierungen. , 2018, , 121-135.		3
63	Marktpotenziale von dynamischen Zertifizierungen. , 2018, , 325-331.		2
64	WertschÃ¶pfungsnetzwerk des dynamischen Zertifizierungs-Ecosystems. , 2018, , 343-361.		2
65	Taxonomie von Cloud-Service-Zertifizierungskriterien. , 2018, , 91-99.		0
66	Klassifikation von Cloud-Services. , 2018, , 7-13.		0
67	Einsatz von Monitoring-basierten Messmethoden zur dynamischen Zertifizierung von Cloud-Services. , 2018, , 203-222.		4
68	Akzeptanz von dynamischen Zertifizierungen: Eine multiperspektivische Untersuchung. , 2018, , 363-378.		1
69	Trust in Cloud Computing. Data Base for Advances in Information Systems, 2016, 47, 58-96.	1.7	39
70	Exploring Cloudy Collaboration in Healthcare: An Evaluation Framework of Cloud Computing Services for Hospitals. , 2016, , .		6
71	Dynamic Certification of Cloud Services: Trust, but Verify!. IEEE Security and Privacy, 2016, 14, 66-71.	1.2	46
72	An Information Privacy Risk Index for mHealth Apps. Lecture Notes in Computer Science, 2016, , 190-201.	1.3	11

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73	Determinant Factors of Cloud-Sourcing Decisions: Reflecting on the IT Outsourcing Literature in the Era of Cloud Computing. Journal of Information Technology, 2016, 31, 1-31.	3.9	180
74	IOS 2.0: new aspects on inter-organizational integration through enterprise 2.0 technologies. Electronic Markets, 2015, 25, 263-265.	8.1	3
75	Availability and quality of mobile health app privacy policies. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, e28-e33.	4.4	280
76	What is Really Going On at Your Cloud Service Provider? Creating Trustworthy Certifications by Continuous Auditing. , 2015, , .		15
77	CloudLive: a life cycle framework for cloud services. Electronic Markets, 2015, 25, 299-311.	8.1	15
78	Taxonomy of health IT and medication adherence. Health Policy and Technology, 2015, 4, 215-224.	2.5	18
79	Exploring the Far Side of Mobile Health: Information Security and Privacy of Mobile Health Apps on iOS and Android. JMIR MHealth and UHealth, 2015, 3, e8.	3.7	196
80	Grundlagen zur Zertifizierung von Cloud Services. , 2015, , 5-21.		1
81	Process-Driven Data Quality Management -- An Application of the Combined Conceptual Life Cycle Model. , 2014, , .		18
82	Information Security and Privacy of Patient-Centered Health IT Services: What Needs to Be Done?. , 2014, , .		7
83	Effective Quality Management: Value- and Risk-Based Software Quality Management. IEEE Software, 2014, 31, 79-85.	1.8	19
84	ERP system fit â€“ an explorative task and data quality perspective. Journal of Enterprise Information Management, 2014, 27, 668-686.	7.5	25
85	A Taxonomic Perspective on Certification Schemes: Development of a Taxonomy for Cloud Service Certification Criteria. , 2014, , .		28
86	Secure provision of patient-centered health information technology services in public networksâ€”leveraging security and privacy features provided by the German nationwide health information technology infrastructure. Electronic Markets, 2014, 24, 89-99.	8.1	25
87	Consumer Facing Health Care Systems. E-Service Journal, 2014, 9, 1.	0.6	6
88	Process-driven data quality management. Journal of Data and Information Quality, 2014, 5, 1-30.	2.1	10
89	Market Potential Analysis and Branch Network Planning: Application in a German Retail Bank. , 2014, , .		6
90	Cutting Through the Jungle of Cloud Computing Whitepapers: Development of an Evaluation Model. , 2014, , 315-331.		2

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91	Usability of patient-centered health IT: mixed-methods usability study of ePill. Studies in Health Technology and Informatics, 2014, 198, 32-9.	0.3	4
92	Modular Architecture of Value-Added Applications for German Healthcare Telematics. Business and Information Systems Engineering, 2013, 5, 3-16.	6.1	10
93	Evaluation of Microsoft HealthVault and Google Health personal health records. Health and Technology, 2013, 3, 3-10.	3.6	6
94	Process-Driven Data Quality Management Through Integration of Data Quality into Existing Process Models. Business and Information Systems Engineering, 2013, 5, 433-448.	6.1	10
95	Dynamic Certification of Cloud Services. , 2013, , .		16
96	Cloud services certification. Communications of the ACM, 2013, 56, 33-36.	4.5	103
97	Explorative TTF Perspective on ERP Systems and Data Quality Management Interdependencies. Proceedings - Academy of Management, 2013, 2013, 15798.	0.1	3
98	Market Engineering for Electronic Health Services. , 2012, , .		1
99	Supporting chronic disease care quality. Journal of Data and Information Quality, 2012, 3, 1-21.	2.1	26
100	ITIL als Grundlage zur Zertifizierung von Cloud-Services und -Anbietern. Hmd, 2012, 49, 33-41.	0.3	7
101	Determinants of physiciansâ€™ technology acceptance for e-health in ambulatory care. International Journal of Medical Informatics, 2012, 81, 746-760.	3.3	235
102	Risk evaluation and security analysis of the clinical area within the German electronic health information system. Health and Technology, 2012, 2, 123-135.	3.6	5
103	Elektronische Gesundheitskarte: Sicherheitsbetrachtung der deutschen Telematikinfrastruktur. Hmd, 2011, 48, 80-88.	0.3	3
104	Guidelines for Software Development Effort Estimation. Computer, 2011, 44, 88-90.	1.1	4
105	Standardized Device Services - A Design Pattern for Service Oriented Integration of Medical Devices. , 2010, , .		5
106	Evaluation Framework for Personal Health Records: Microsoft HealthVault Vs. Google Health. , 2010, , .		57
107	Strategies for development and adoption of EHR in German ambulatory care. , 2010, , .		8
108	SECURITY ANALYSIS OF THE GERMAN ELECTRONIC HEALTH CARDâ€™S PERIPHERAL PARTS. , 2009, , .		12

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109	Method Engineering: A Formal Description. , 2009, , 645-654.		6
110	Secure Information Systems Engineering: Experiences and Lessons Learned from Two Health Care Projects. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 231-245.	0.3	2
111	A Proposed Solution for Managing Doctor's Smart Cards in Hospitals Using a Single Sign-On Central Architecture. , 2008, , .		12
112	IT-Standards and Standardization Approaches in Healthcare. , 2008, , 813-820.		7
113	Online at Will: A Novel Protocol for Mutual Authentication in Peer-to-Peer Networks for Patient-Centered Health Care Information Systems. , 0, , .		1
114	Drivers and Inhibitors for Organizationsâ€™ Intention to Adopt Artificial Intelligence as a Service. , 0, , .		8
115	Are we on the right track? an update to Lyytinen et al.â€™s commentary on why the old world cannot publish. European Journal of Information Systems, 0, , 1-14.	9.2	1
116	Information Systems and Healthcare XX: Toward Seamless Healthcare with Software Agents. Communications of the Association for Information Systems, 0, 19, .	0.9	19
117	A Systematic Mapping of Factors Affecting Accuracy of Software Development Effort Estimation. Communications of the Association for Information Systems, 0, 34, .	0.9	11
118	â€œUnblackboxingâ€•Decision Makersâ€™ Interpretations of IS Certifications in the Context of Cloud Service Certifications. Journal of the Association for Information Systems, 0, , 1064-1096.	3.7	17
119	German Health Information Technology Infrastructure: A Large-Scale Network Offering Support for Software Engineering in Health Care. SSRN Electronic Journal, 0, , .	0.4	0