

Masahide Nakamura

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

452
citations

10
h-index

15
g-index

145
ext. papers

602
ext. citations

1.4
avg, IF

4.04
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 109 | Constructing Home Network Systems and Integrated Services Using Legacy Home Appliances and Web Services. <i>International Journal of Web Services Research</i> , 2008 , 5, 82-98 | 0.8 | 36 |
| 108 | Java Birthmarks --Detecting the Software Theft--. <i>IEICE Transactions on Information and Systems</i> , 2005 , E88-D, 2148-2158 | 0.6 | 36 |
| 107 | Using cloud technologies for large-scale house data in smart city 2012 , | | 20 |
| 106 | On detecting feature interactions in the programmable service environment of Internet telephony. <i>Computer Networks</i> , 2004 , 45, 605-624 | 5.4 | 19 |
| 105 | VirtualCareGiver. <i>International Journal of Software Innovation</i> , 2017 , 5, 30-43 | 0.8 | 18 |
| 104 | Application Framework for Efficient Development of Sensor as a Service for Home Network System 2011 , | | 15 |
| 103 | Implementing Virtual Agent as an Interface for Smart Home Voice Control 2012 , | | 15 |
| 102 | Implementing integrated services of networked home appliances using service oriented architecture 2004 , | | 14 |
| 101 | Exploiting Eye Movements for Evaluating Reviewer's Performance in Software Review. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2007 , E90-A, 2290-2300 | 0.4 | 11 |
| 100 | Generating Personalized Dialogue Towards Daily Counseling System for Home Dementia Care. <i>Lecture Notes in Computer Science</i> , 2017 , 161-172 | 0.9 | 10 |
| 99 | Deploying service integration agent for personalized smart elderly care 2016 , | | 9 |
| 98 | Detecting service chains and feature interactions in sensor-driven home network services. <i>Sensors</i> , 2012 , 12, 8447-64 | 3.8 | 9 |
| 97 | Adapting Legacy Home Appliances to Home Network Systems Using Web Services 2006 , | | 9 |
| 96 | Capturing Activities of Daily Living for Elderly at Home Based on Environment Change and Speech Dialog. <i>Lecture Notes in Computer Science</i> , 2017 , 183-194 | 0.9 | 9 |
| 95 | Indoor environment sensing service in smart city using autonomous sensor box 2016 , | | 9 |
| 94 | Generating Personalized Virtual Agent in Speech Dialogue System for People with Dementia. <i>Lecture Notes in Computer Science</i> , 2018 , 326-337 | 0.9 | 8 |
| 93 | Designing and implementing service framework for virtual agents in home network system 2014 , | | 7 |

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| 92 | Memory Aid Service Using Mind Sensing and Daily Retrospective by Virtual Agent. <i>Lecture Notes in Computer Science</i> , 2019 , 353-364 | 0.9 | 7 |
| 91 | Toward Flexible and Efficient Home Context Sensing: Capability Evaluation and Verification of Image-Based Cognitive APIs. <i>Sensors</i> , 2020 , 20, | 3.8 | 6 |
| 90 | Integrating Multiple Models Using Image-as-Documents Approach for Recognizing Fine-Grained Home Contexts. <i>Sensors</i> , 2020 , 20, | 3.8 | 6 |
| 89 | Considering impacts and requirements for better understanding of environment interactions in home network services. <i>Computer Networks</i> , 2013 , 57, 2442-2453 | 5.4 | 6 |
| 88 | Design and Implementation of Rule-Based Framework for Context-Aware Services with Web Services 2014 , | | 6 |
| 87 | Design and implementation of service API for large-scale house log in smart city cloud 2012 , | | 6 |
| 86 | Ubiquitous cloud: Managing service resources for adaptive ubiquitous computing 2011 , | | 6 |
| 85 | Modeling and Detecting Feature Interactions among Integrated Services of Home Network Systems. <i>IEICE Transactions on Information and Systems</i> , 2010 , E93-D, 822-833 | 0.6 | 6 |
| 84 | A software protection method based on instruction camouflage. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)</i> , 2006 , 89, 47-59 | | 6 |
| 83 | On constructing communication protocols from component-based service specifications. <i>Computer Communications</i> , 1996 , 19, 1200-1215 | 5.1 | 5 |
| 82 | Toward Affordable and Practical Home Context Recognition: Framework and Implementation with Image-based Cognitive API <i>International Journal of Networked and Distributed Computing</i> , 2019 , 8, 16 | 1.3 | 5 |
| 81 | Implementation and evaluation of BLE proximity detection mechanism for Pass-by Framework 2016 , | | 5 |
| 80 | Empirical study on effects of script minification and HTTP compression for traffic reduction 2015 , | | 4 |
| 79 | Recognizing ADLs of one person household based on non-intrusive environmental sensing 2017 , | | 4 |
| 78 | Implementing personal home controllers on smartphones for service-oriented home network 2012 , | | 4 |
| 77 | Visualizing Software Metrics with Service-Oriented Mining Software Repository for Reviewing Personal Process 2013 , | | 4 |
| 76 | Extracting service candidates from procedural programs based on process dependency analysis 2009 , | | 4 |
| 75 | A service-oriented framework for networked appliances to achieve appliance interoperability and evolution in home network system | | 4 |

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| 74 | Implementing and Evaluating feedback feature of Mind Monitoring Service for Elderly People at Home 2020 , | | 4 |
| 73 | WIF4InL: Web-based integration framework for Indoor location. <i>International Journal of Pervasive Computing and Communications</i> , 2016 , 12, 49-65 | 3-3 | 4 |
| 72 | A proposal of cloud-based home network system for multi-vendor services 2014 , | | 3 |
| 71 | Service Oriented Framework for Mining Software Repository 2011 , | | 3 |
| 70 | Using formal methods to increase confidence in a home network system implementation: a case study. <i>Innovations in Systems and Software Engineering</i> , 2009 , 5, 181-196 | 1.1 | 3 |
| 69 | Integrating 3D Facial Model with Person-Centered Care Support System for People with Dementia. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 216-222 | 0.4 | 3 |
| 68 | Implementation and Evaluation of Personal Ontology Building System with Virtual Agent. <i>Lecture Notes in Computer Science</i> , 2019 , 391-403 | 0.9 | 3 |
| 67 | Rule-Based Inquiry Service to Elderly at Home for Efficient Mind Sensing 2019 , | | 3 |
| 66 | Characterizing Safety of Integrated Services in Home Network System. <i>Lecture Notes in Computer Science</i> , 2007 , 130-140 | 0.9 | 3 |
| 65 | Towards personalized and context-aware reminder service for people with dementia 2016 , | | 3 |
| 64 | Evaluating Feasibility of Image-Based Cognitive APIs for Home Context Sensing 2018 , | | 3 |
| 63 | Developing a Platform of Personalized Conversation Scenarios for In-home Care Assistance 2021 , | | 3 |
| 62 | Constructing Execution and Life-Cycle Models for Smart City Services with Self-Aware IoT 2015 , | | 2 |
| 61 | A Case Study for Software Quality Evaluation Based on SCT Model With BP Neural Network. <i>IEEE Access</i> , 2020 , 8, 56403-56414 | 3.5 | 2 |
| 60 | Materialized View as a Service for Large-Scale House Log in Smart City 2013 , | | 2 |
| 59 | Implementing Personalized Energy Visualization Service in Home Network System 2013 , | | 2 |
| 58 | Implementing a mobile application for spontaneous peak shaving of home electricity 2013 , | | 2 |
| 57 | Integrating environmental sensing and BLE-based location for improving daily activity recognition in OPH 2017 , | | 2 |

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| 56 | Implementation and evaluation of cloud-based integration framework for indoor location 2015 , | | 2 |
| 55 | A rule-based framework for managing context-aware services based on heterogeneous and distributed Web services 2014 , | | 2 |
| 54 | A synthesis method for fault-tolerant and flexible multipath routing protocols | | 2 |
| 53 | Implementing Multi-Vendor Home Network System with Vendor-Neutral Services and Dynamic Service Binding 2008 , | | 2 |
| 52 | Semantic warnings and feature interaction in Call Processing Language on Internet telephony | | 2 |
| 51 | Generating Personalized Dialogues Based on Conversation Log Summarization and Sentiment Analysis 2021 , | | 2 |
| 50 | Toward Capturing Scientific Evidence in Elderly Care: Efficient Extraction of Changing Facial Feature Points. <i>Sensors</i> , 2021 , 21, | 3.8 | 2 |
| 49 | Efficient Aggregation Query Processing for Large-Scale Multidimensional Data by Combining RDB and KVS. <i>Lecture Notes in Computer Science</i> , 2018 , 134-149 | 0.9 | 2 |
| 48 | Prototyping and Preliminary Evaluation of Mind Monitoring Service for Elderly People at Home 2019 , | | 2 |
| 47 | Implementation and Evaluation of Interactive Memory-Aid Agent Service for People with Dementia. <i>Lecture Notes in Computer Science</i> , 2016 , 357-368 | 0.9 | 2 |
| 46 | Towards Person-Centered Anomaly Detection and Support System for Home Dementia Care. <i>Lecture Notes in Computer Science</i> , 2016 , 274-285 | 0.9 | 2 |
| 45 | Using Materialized View as a Service of Scallop4SC for Smart City Application Services. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 51-60 | 0.4 | 2 |
| 44 | Nonintrusive Fine-Grained Home Care Monitoring: Characterizing Quality of In-Home Postural Changes Using Bone-Based Human Sensing. <i>Sensors</i> , 2020 , 20, | 3.8 | 2 |
| 43 | Using Non-Intrusive Environmental Sensing for ADLS Recognition in One-Person Household. <i>International Journal of Software Innovation</i> , 2018 , 6, 16-29 | 0.8 | 2 |
| 42 | Exploiting Eye Gaze Information for Operating Services in Home Network System. <i>Lecture Notes in Computer Science</i> , 2006 , 13-27 | 0.9 | 2 |
| 41 | Design and implementation of service framework for presence sensing in home network system 2015 , | | 1 |
| 40 | Developing personalized security information service using open data 2017 , | | 1 |
| 39 | Visualizing and analyzing street crimes using personalized security information service PRISM 2017 , | | 1 |

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| 38 | Integrating heterogeneous locating services for efficient development of location-based services 2015, | | 1 |
| 37 | A Cloud-Based Architecture for Home Network System 2014, | | 1 |
| 36 | Considering value-added services using smart TV in cloud-enabled home network system 2014, | | 1 |
| 35 | On detecting service chains in sensor-driven home network services 2012, | | 1 |
| 34 | A new approach in feature interaction testing. <i>The Integration VLSI Journal</i> , 1998 , 26, 211-223 | 1.4 | 1 |
| 33 | Detecting feature interactions in telecommunication services with a SAT solver | | 1 |
| 32 | Log4Care: Unified Event Logging Service for Personalized Care. <i>Lecture Notes in Computer Science</i> , 2018 , 466-477 | 0.9 | 1 |
| 31 | Extracting and Evaluating Personal Interests with Dialogue Agent. <i>Lecture Notes in Computer Science</i> , 2020 , 592-608 | 0.9 | 1 |
| 30 | Supporting End-User Development of Context-Aware Services in Home Network System. <i>Studies in Computational Intelligence</i> , 2013 , 159-170 | 0.8 | 1 |
| 29 | Recognizing Fine-Grained Home Contexts Using Multiple Cognitive APIs 2019, | | 1 |
| 28 | Recording Daily Health Status with Chatbot on Mobile Phone - A Preliminary Study 2019, | | 1 |
| 27 | Proposal of Home Context Recognition Method Using Feature Values of Cognitive API 2019, | | 1 |
| 26 | Analyzing street crimes in Kobe city using PRISM. <i>International Journal of Web Information Systems</i> , 2019 , 15, 183-200 | 0.9 | 1 |
| 25 | Relationship between Code Reading Speed and Programmers' Age. <i>IEICE Transactions on Information and Systems</i> , 2021 , E104.D, 121-125 | 0.6 | 1 |
| 24 | Using Virtual Agent for Facilitating Online Questionnaire Surveys 2018, | | 1 |
| 23 | Developing Event Routing Service to Support Context-Aware Service Integration 2021, | | 1 |
| 22 | Designing an Elderly Virtual Caregiver Using Dialogue Agents and WebRTC 2021, | | 1 |
| 21 | Assisting Personalized Healthcare of Elderly People: Developing a Rule-Based Virtual Caregiver System Using Mobile Chatbot. <i>Sensors</i> , 2022 , 22, 3829 | 3.8 | 1 |

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| 20 | Design and Evaluation of Materialized View as a Service for Smart City Services with Large-Scale House Log. <i>IEICE Transactions on Information and Systems</i> , 2014 , E97.D, 1709-1718 | 0.6 | 0 |
| 19 | Developing Face Emotion Tracker for Quantitative Evaluation of Care Effects. <i>Lecture Notes in Computer Science</i> , 2018 , 513-526 | 0.9 | 0 |
| 18 | A Case Study of Dynamic Analysis to Locate Unexpected Side Effects Inside of Frameworks. <i>International Journal of Software Innovation</i> , 2015 , 3, 26-40 | 0.8 | 0 |
| 17 | An Authentication Method Based on Spatiotemporal Information and Actions. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , 2011 , 23, 874-881 | 0.1 | 0 |
| 16 | Integration Analysis of Heterogeneous Data on Mind Externalization of Elderly People at Home. <i>Lecture Notes in Computer Science</i> , 2022 , 197-209 | 0.9 | 0 |
| 15 | On estimating quality of elderly monitoring service based on sensor reliability. <i>Intelligent Automation and Soft Computing</i> , 2017 , 23, 153-159 | 2.6 | |
| 14 | Design and evaluation of mission-oriented sensing platform with military analogy. <i>International Journal of Pervasive Computing and Communications</i> , 2017 , 13, 76-91 | 3.3 | |
| 13 | Developing Service Platform for Web Context-Aware Services Towards Self-Managing Ecosystem. <i>Lecture Notes in Computer Science</i> , 2015 , 270-280 | 0.9 | |
| 12 | Capturing Spontaneous Software Evolution in a Social Coding Platform With Project-as-a-City Concept. <i>International Journal of Software Innovation</i> , 2020 , 8, 35-50 | 0.8 | |
| 11 | KULOCS: unified locating service for efficient development of location-based applications. <i>International Journal of Pervasive Computing and Communications</i> , 2016 , 12, 154-172 | 3.3 | |
| 10 | Validating Safety for the Integrated Services of the Home Network System Using JML. <i>Journal of Information Processing</i> , 2008 , 16, 38-49 | 0.2 | |
| 9 | VirtualCareGiver 2020 , 1637-1652 | | |
| 8 | User Context Query Service Supporting Home Person-Centered Care for Elderly People. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 112-118 | 0.4 | |
| 7 | Visualizing and Analyzing Street Crimes in Kobe City Using Micro-level Demographic Data. <i>Lecture Notes in Computer Science</i> , 2018 , 611-625 | 0.9 | |
| 6 | Accurate Aggregation Query-Result Estimation and Its Efficient Processing on Distributed Key-Value Store. <i>Lecture Notes in Computer Science</i> , 2019 , 310-320 | 0.9 | |
| 5 | Design and Evaluation of Consumer-Oriented Reviewing Platform with Receipt Log. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2015 , 19, 785-795 | 0.4 | |
| 4 | On Integrating Heterogeneous Locating Services. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016 , 44-52 | 0.2 | |
| 3 | Delivering Personalized Information to Individuals in Super Smart Society. <i>Lecture Notes in Computer Science</i> , 2017 , 336-347 | 0.9 | |

- 2 PRISM. *International Journal of Software Innovation*, **2018**, 6, 46-58 o.8
- 1 Integrating Uni-messe and FIWARE for Low-Code Development of Complex Context-Aware Applications. *Lecture Notes in Computer Science*, **2022**, 193-207 o.9