The list is based on information from common publication databases. Following the Charles University rector directives 9/2014 and 17/2014, the list contains citations from monographs, scientific periodicals and reviewed proceedings, excluding self citations where the applicant is among the authors of the citing publication. Also excluded are publications originating wholly from the applicant department, foreign language publications (because this makes determining the nature of the citation difficult) and theses (because it is not clear whether theses qualify as monographs).

The H-index computed based on this list of citations (which excludes self-citations and sole citations by others from the applicant’s department) is 9. When taking into account only cited works belonging to categories A-C, the H-index is 8.

1 Chapters in scientific monographs


11. M. Vogler, J. M. Schleicher, C. Inzinger, and S. Dustdar: “DIANE - Dynamic IoT Application Deployment”. In *2015 IEEE International Conference on Mobile Services*. 2015, pp. 298–305. DOI: [10.1109/MobServ.2015.49](https://doi.org/10.1109/MobServ.2015.49)


2 Original scientific publications

2.1 In foreign scientific journals

2.1.1 Publications with IF


33. Z. Ning, W. Hou, X. Hu, and X. Gong: “A cloud-supported cps approach to control decision of process manufacturing: 3D ONoC”. In 2017 13th IEEE Conference on Automation Science and Engineering (CASE), 2017, pp. 458–463. DOI: 10.1109/COASE.2017.8256147


45. Y. Lu: “Cyber Physical System (CPS)-Based Industry 4.0: A Survey”. In Journal of Industrial Integration and Management 02.03 (2017), p. 1750014. DOI: 10.1142/S2424862217500142 eprint: https://doi.org/10.1142/S2424862217500142


49. Y. Lu: “Cyber Physical System (CPS)-Based Industry 4.0: A Survey”. In Journal of Industrial Integration and Management 02.03 (2017), p. 1750014. DOI: 10.1142/S2424862217500142 eprint: https://doi.org/10.1142/S2424862217500142


2.1.2 Other publications in 2.1


2.2 In foreign peer reviewed proceedings

2.2.1 Publications with IF


2.2.2 Equivalent to publications with IF


105. C. Piechnick, M. Piechnick, S. Götz, G. Püschel, and U. Affmann: “Managing Distributed Context Models Requires Adaptivity too”. In Proceedings of the 10th International Workshop on Models@run.time co-located with the 18th International Conference on Model Driven Engineering Languages and Systems (MoDELS 2015), Ottawa, Canada, September 29, 2015. 2015, pp. 61–70


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| 114. | Y. Hang and H. Hansson: “Handling Multiple Mode Switch Scenarios in Component-Based Multi-mode Systems”. In 2013 20th Asia-Pacific Software Engineering Conference (APSEC). 2013, pp. 404–413. DOI: [10.1109/APSEC.2013.61](https://doi.org/10.1109/APSEC.2013.61) |
| 118. | C. Heinzemann, S. Becker, and A. Volk: “Transactional execution of hierarchical reconfigurations in cyber-physical systems”. In Software & Systems Modeling (2017). DOI: [10.1007/s10270-017-0583-z](https://doi.org/10.1007/s10270-017-0583-z) |


182. M. Rafighi, Y. Farjami, and N. Modiri: “Studying the deficiencies and problems of different architecture in developing distributed systems and analyze the existing solution”. In 2015 2nd International Conference on Knowledge-Based Engineering and Innovation (KBEI). 2015, pp. 826–834. doi: 10.1109/KBEI.2015.7436151


2.2.3 Other publications in 2.2


196. V. Casas and A. Mitschele-Thiel: “On the impact of communication delays on UAVs flocking behavior”. In 2018 IEEE Wireless Communications and Networking Conference Workshops (WCNCW). 2018, pp. 67–72. DOI: 10.1109/WCNCW.2018.8368996


208. M. D’Angelo, M. Caporuscio, and A. Napolitano: “Model-Driven Engineering of Decentralized Control in Cyber-Physical Systems”. In 2017 IEEE 2nd International Workshops on Foundations and Applications of Self* Systems (FAS*W), 2017, pp. 7–12. DOI: 10.1109/FAS-W.2017.113


281. F. Baude, L. Henrio, and C. Ruiz: “Programming distributed and adaptable autonomous components—the GCM/ProActive framework”. In Software: Practice and Experience 45.9 (2015), pp. 1189–1227. DOI: 10.1002/spe.2270


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332. M. Müller, M. Balz, and M. Goedicke: “Representing Formal Component Models in OSGi”. In Software Engineering, LNI 159. 2010


405. P. Banerjee, A. Sarkar, and N. C. Debnath: “Analytical model for Component Based system - CASE tool based approach”. In *2014 International Conference on Computing, Management and Telecommunications (ComManTel)*. 2014, pp. 176–181. DOI: [10.1109/ComManTel.2014.682560](10.1109/ComManTel.2014.682560)


413. S. Chabane, R. Ameur-Boulifa, and M. Mezghiche: “Formal framework for automated analysis and verification of distributed reactive applications”. In *2017 First International Conference on Embedded Distributed Systems (Edis)*. 2017, pp. 1–6. DOI: [10.1109/EDIS.2017.8284026](10.1109/EDIS.2017.8284026)


T. Bures, E. Denney, B. Fischer, and E. C. Nistor: “The role of ontologies in schema-based program synthesis, Workshop on Ontologies as SoDiare Engineering Artifacts”. In Workshop on Ontologies as Software Engineering Artifacts OOPSLA, 2004


442. A. Doroshenko and O. Yatsenko: “Using Ontologies and Algebra of Algorithms for Formalized Development of Parallel Programs”. In Fundamenta Informatice - Concurrency Specification and Programming (CS&P) 93.1-3 (2009), pp. 111–125. ISSN: 0169-2968


474. M. Kundi and R. Chitchyan: “Use Case Elicitation with FrameNet Frames”. In *2017 IEEE 25th International Requirements Engineering Conference Workshops (REW)*, 2017, pp. 224–231. DOI: [10.1109/REW.2017.53](https://doi.org/10.1109/REW.2017.53)


476. M. M. H. de Castro, J. d. M. Bezerra, and C. M. Hirata: “A CNL for requirements as the basis to automate tasks of critical system development”. In *2015 IEEE/AIAA 34th Digital Avionics Systems Conference (DASC)*, 2015, pp. 8C2-1-8C2-9. DOI: [10.1109/DASC.2015.7311474](https://doi.org/10.1109/DASC.2015.7311474)


