Kalle Lyytinen

List of Publications by Citations

180 papers	**11,198** citations	**52** h-index	**104** g-index
206 ext. papers	**13,532** ext. citations	**3.8** avg, IF	**6.68** L-index

#	Paper	IF	Citations
180	Research Commentary—The New Organizing Logic of Digital Innovation: An Agenda for Information Systems Research. *Information Systems Research*, **2010**, 21, 724-735	3.8	1018
179	Organizing for Innovation in the Digitized World. *Organization Science*, **2012**, 23, 1398-1408	3.6	839
178	Digital Innovation Management: Reinventing Innovation Management Research in a Digital World. *MIS Quarterly: Management Information Systems*, **2017**, 41, 223-238	5.3	650
177	Identifying Software Project Risks: An International Delphi Study. *Journal of Management Information Systems*, **2001**, 17, 5-36	5.3	646
176	Research Commentary—Digital Infrastructures: The Missing IS Research Agenda. *Information Systems Research*, **2010**, 21, 748-759	3.8	563
175	Design Theory for Dynamic Complexity in Information Infrastructures: The Case of Building Internet. *Journal of Information Technology*, **2010**, 25, 1-19	2.7	339
174	A framework for identifying software project risks. *Communications of the ACM*, **1998**, 41, 76-83	2.5	309
173	Wakes of Innovation in Project Networks: The Case of Digital 3-D Representations in Architecture, Engineering, and Construction. *Organization Science*, **2007**, 18, 631-647	3.6	304
172	Research Commentary: The Next Wave of Nomadic Computing. *Information Systems Research*, **2002**, 13, 377-388	3.8	264
171	Explaining information systems change: a punctuated socio-technical change model. *European Journal of Information Systems*, **2008**, 17, 589-613	6.4	224
170	Information Systems Development and Data Modeling: Conceptual and Philosophical Foundations **1995**,		222
169	Digital product innovation within four classes of innovation networks. *Information Systems Journal*, **2016**, 26, 47-75	5.9	201
168	Components of software development risk: how to address them? A project manager survey. *IEEE Transactions on Software Engineering*, **2000**, 26, 98-112	3.5	193
167	Attention Shaping and Software Risk—A Categorical Analysis of Four Classical Risk Management Approaches. *Information Systems Research*, **1998**, 9, 233-255	3.8	190
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165	Different perspectives on information systems: problems and solutions. *ACM Computing Surveys*, **1987**, 19, 5-46	13.4	143
164	Agile Modeling, Agile Software Development, and Extreme Programming. *Journal of Database Management*, **2005**, 16, 88-100	2.2	140

145	Exploiting and Defending Open Digital Platforms with Boundary Resources: Android's Five Platform Forks. *Information Systems Research*, **2018**, 29, 479-497	3.8	75
144	Social Networks and Information Systems: Ongoing and Future Research Streams. *Journal of the Association for Information Systems*, **2010**, 11, 61-68	1.8	74
143	Disruptive information system innovation: the case of internet computing. *Information Systems Journal*, **2003**, 13, 301-330	5.9	66
142	Inter-organizational information systems adoption a configuration analysis approach. *European Journal of Information Systems*, **2011**, 20, 496-509	6.4	63
141	Standard Making: A Critical Research Frontier for Information Systems Research. *MIS Quarterly: Management Information Systems*, **2006**, 30, 405	5.3	63
140	Contours of diffusion of electronic data interchange in Finland. *Journal of Strategic Information Systems*, **1998**, 7, 275-297	13.3	62
139	Managing as Designing: Lessons for Organization Leaders from the Design Practice of Frank O. Gehry. *Design Issues*, **2008**, 24, 10-25	0.7	62
138	The 3G transition: Changes in the US wireless industry. *Telecommunications Policy*, **2006**, 30, 569-586	4	62
137	Large-Scale Requirements Analysis Revisited: The need for Understanding the Political Ecology of Requirements Engineering. *Requirements Engineering*, **2002**, 7, 152-171	2.7	62
136	Turn to the material: Remote diagnostics systems and new forms of boundary-spanning. *Information and Organization*, **2009**, 19, 233-252	4.8	60
135	Information systems as rational discourse: an application of Habermas's theory of communicative action. *Scandinavian Journal of Management*, **1988**, 4, 19-30	2.3	60
134	Crossing boundaries and conscripting participation: representing and integrating knowledge in a paper machinery project. *European Journal of Information Systems*, **2001**, 10, 89-98	6.4	59
133	Why the old world cannot publish? Overcoming challenges in publishing high-impact IS research. *European Journal of Information Systems*, **2007**, 16, 317-326	6.4	57
132	Can software risk management improve system development: an exploratory study. *European Journal of Information Systems*, **1997**, 6, 41-50	6.4	55
131	A response to the design-oriented information systems research memorandum. *European Journal of Information Systems*, **2011**, 20, 11-15	6.4	53
130	Design principles for sensemaking support systems in environmental sustainability transformations. *European Journal of Information Systems*, **2018**, 27, 221-247	6.4	52
129	Routines as Shock Absorbers During Organizational Transformation: Integration, Control, and NASA's Enterprise Information System. *Organization Science*, **2016**, 27, 551-572	3.6	52
128	Achieving high momentum in the evolution of wireless infrastructures: the battle over the 1G solutions. *Telecommunications Policy*, **2002**, 26, 149-170	4	49

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126	Toward Generalizable Sociomaterial Inquiry: A Computational Approach for Zooming In and Out of Sociomaterial Routines. *MIS Quarterly: Management Information Systems*, **2014**, 38, 849-871	5.3	49
125	Coordinating Interdependencies in Online Communities: A Study of an Open Source Software Project. *Information Systems Research*, **2016**, 27, 751-772	3.8	43
124	Contributing to Rigorous and Forward Thinking Explanatory Theory. *Journal of the Association for Information Systems*, **2008**, 9, 40-47	1.8	42
123	Strategies for Heading Off is Project Failure. *Information Systems Management*, **2000**, 17, 61-69	3.1	41
122	The Brave New World of development in the internetwork computing architecture (InterNCA): or how distributed computing platforms will change systems development. *Information Systems Journal*, **1998**, 8, 241-253	5.9	39
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119	Institutionalizing Enterprise Resource Planning in the Saudi Steel Industry: A Punctuated Socio-Technical Analysis. *Journal of Information Technology*, **2009**, 24, 286-304	2.7	37
118	Around the cradle of the wireless revolution: the emergence and evolution of cellular telephony. *Telecommunications Policy*, **2002**, 26, 97-100	4	37
117	Transformation of China's telecommunications sector: a macro perspective. *Telecommunications Policy*, **2000**, 24, 719-730	4	36
116	Wikipedia, Critical Social Theory, and the Possibility of Rational Discourse 1 1. This article extends research presented at the Hawaiian International Conference of Systems Sciences in January 2007 (Hansen, Berente, & Lyytinen, 2007). View all notes. *Information Society*, **2009**, 25, 38-59	1.9	35
115	User participation in knowledge update of expert systems. *Information and Management*, **1997**, 32, 55-63	3.6	34
114	Identity Orientation, Social Exchange, and Information Technology Use in Interorganizational Collaborations. *Organization Science*, **2014**, 25, 1372-1390	3.6	33
113	Identifying software project risks in Nigeria: an International Comparative Study. *European Journal of Information Systems*, **2003**, 12, 182-194	6.4	33
112	Digitization and Phase Transitions in Platform Organizing Logics: Evidence from the Process Automation Industry. *MIS Quarterly: Management Information Systems*, **2020**, 44, 129-153	5.3	33
111	Towards an ecological account of media choice: a case study on pluralistic reasoning while choosing email. *Information Systems Journal*, **2014**, 24, 271-293	5.9	31
110	Internet computing as a disruptive information technology innovation: the role of strong order effects1. *Information Systems Journal*, **2011**, 21, 91-122	5.9	31

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108	How organizations adopt information system process innovations: a longitudinal analysis. *European Journal of Information Systems*, **2004**, 13, 35-51	6.4	30
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106	Strategic information systems: Reflections and prospectives. *Journal of Strategic Information Systems*, **2012**, 21, 85-90	13.3	29
105	Closing the gap: towards a process model of post-merger knowledge sharing. *Information Systems Journal*, **2007**, 17, 321-347	5.9	29
104	Success factors for information technology supported international technology transfer: Finding expert consensus. *Information and Management*, **2006**, 43, 663-677	6.6	29
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101	Desperately Seeking the Infrastructure in IS Research: Conceptualization of "Digital Convergence" As Co-Evolution of Social and Technical Infrastructures **2010**,		24
100	Symbolic Action Research in Information Systems: Introduction to the Special Issue. *MIS Quarterly: Management Information Systems*, **2014**, 38, 1187-1200	5.3	24
99	High Reliability in Digital Organizing: Mindlessness, the Frame Problem, and Digital Operations. *MIS Quarterly: Management Information Systems*, **2019**, 43, 555-578	5.3	24
98	Rules, Practices, and Information Technology: A Trifecta of Organizational Regulation. *Information Systems Research*, **2018**, 29, 755-773	3.8	23
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93	Managing Identity Tensions during Mobile Ecosystem Evolution. *Journal of Information Technology*, **2015**, 30, 229-244	2.7	19
92	Dynamics of inter-organizational knowledge creation and information technology use across object worlds: the case of an innovative construction project. *Construction Management and Economics*, **2010**, 28, 569-588	3	19

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71	Platform Complexity: Lessons from the Music Industry **2013**,		11
70	Building Electronic Trading Infrastructures: A Public or Private Responsibility?. *Journal of Organizational Computing and Electronic Commerce*, **2001**, 11, 131-151	1.8	11
69	Management Misinformation Systems: A Time to Revisit?. *Journal of the Association for Information Systems*, **2017**, 18, 206-230	1.8	11
68	The Perils and Promises of Big Data Research in Information Systems. *Journal of the Association for Information Systems*, **2020**, 268-293	1.8	10
67	Enacted Routines in Agile and Waterfall Processes **2011**,		9
66	Mobile Information Systems ⎼ Research Challenges on the Conceptual and Logical Level. *Lecture Notes in Computer Science*, **2003**, 124-135	0.9	9
65	A Framework for Component Reuse in a Metamodelling-Based Software Development. *Requirements Engineering*, **2001**, 6, 116-131	2.7	9
64	New challenges of systems development: a vision of the 90's. *Data Base for Advances in Information Systems*, **1989**, 20, 1-12	1.4	9
63	How do ventures become more innovative? The effect of external search and ambidextrous knowledge integration. *European Journal of Innovation Management*, **2019**, 22, 845-865	4.2	9
62	Innovation logics in the digital era: a systemic review of the emerging digital innovation regime. *Innovation: Management, Policy and Practice*,1-22	1.3	9
61	Expanding the Frontiers of Information Systems Research: Introduction to the Special Issue. *Journal of the Association for Information Systems*, **2013**, 14, !-XVI	1.8	8
60	How to combine tools and methods in practice ⎼ a field study. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, **1990**, 195-214	0.3	7
59	Generativity in digital infrastructures **2017**, 253-275		7
58	Towards a Theory of Affordance Ecologies **2013**, 41-61		7
57	The limits to language in doing systems design. *European Journal of Information Systems*, **2017**, 26, 248-259	2.4	6
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40	OUTSOURCING AND MARKET VALUE OF THE FIRM: TOWARD A COMPREHENSIVE MODEL. *Intelligent Systems in Accounting, Finance and Management*, **2014**, 21, 19-38	2.5	3
39	Design Science Research. *Journal of Database Management*, **2013**, 24, 1-8	2.2	3
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37   Senseshaping: The dynamics of sensemaking and sensegiving in high velocity product innovation. *Proceedings - Academy of Management*, **2017**, 2017, 13314   0.1   3

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33   Computing Requirements for Open Source Software: A Distributed Cognitive Approach. *Journal of the Association for Information Systems*, **2018**, 1217-1252   1.8   3

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28   Digital Artifacts as Institutional Attractors: A Systems Biology Perspective on Change in Organizational Routines. *International Federation for Information Processing*, **2012**, 195-209   2

27   Desituating Context in Ubiquitous Computing. *International Journal of Actor-Network Theory and Technological Innovation*, **2010**, 2, 40-55   2

26   Balancing Flexibility and Coherence: Information Exchange in a Paper Machinery Project. *IFIP Advances in Information and Communication Technology*, **1999**, 241-255   0.5   2

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23   Flexibility vs. Structure: How to Manage Reliably Continuously Emerging Threats in Malware Protection **2015**,   1

22   Agile Software Development Methods: When and Why Do They Work? **2005**, 371-373   1

21   Large Scale Requirements Analysis as Heterogeneous Engineering **2006**, 9-23   1

20   China Telecommunications Transformation in Globalization Context **2003**, 217-233   1

19	Regulation of Information Technology-Based Practices: The Case of a Trading Floor Incident in an Investment Bank **2015**, 250-266		1
18	Enacted Software Development Routines Based on Waterfall and Agile Software Methods: Socio-Technical Event Sequence Study. *Lecture Notes in Computer Science*, **2011**, 207-222	0.9	1
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16	Innovation among different classes of software development organizations. *Information Systems Journal*, **2018**, 28, 849-878	5.9	1
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7	Toward Achieving Architecture Alignment of Business and IT: A Portfolio Decision Analysis Approach **2019**, 1-12		
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[1] Digitally Induced Industry Paradoxes: Disruptive Innovations of Taxiwork and Music Streaming Beyond Organizational Boundaries. *Research in the Sociology of Organizations*, **2021**, 171-192 [1]

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