Koen V Hindriks

List of Publications by Year
in descending order

143	2,669	304743	265206
papers	citations	22 h-index	42 g-index

155	155	155	1256
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Agent Programming in 3APL. Autonomous Agents and Multi-Agent Systems, 1999, 2, 357-401.	2.1	256
2	Computational Modeling of Emotion: Toward Improving the Inter- and Intradisciplinary Exchange. IEEE Transactions on Affective Computing, 2013, 4, 246-266.	8.3	138
3	Evaluating practical negotiating agents: Results and analysis of the 2011 international competition. Artificial Intelligence, 2013, 198, 73-103.	5.8	137
4	GENIUS: AN INTEGRATED ENVIRONMENT FOR SUPPORTING THE DESIGN OF GENERIC AUTOMATED NEGOTIATORS. Computational Intelligence, 2014, 30, 48-70.	3.2	135
5	Programming Rational Agents in GOAL. , 2009, , 119-157.		115
6	Learning about the opponent in automated bilateral negotiation: a comprehensive survey of opponent modeling techniques. Autonomous Agents and Multi-Agent Systems, 2016, 30, 849-898.	2.1	94
7	Agent Programming with Declarative Goals. Lecture Notes in Computer Science, 2001, , 228-243.	1.3	88
8	Alternating Offers Protocols for Multilateral Negotiation. Studies in Computational Intelligence, 2017, , 153-167.	0.9	57
9	A verification framework for agent programming with declarative goals. Journal of Applied Logic, 2007, 5, 277-302.	1.1	56
10	Towards an environment interface standard for agent platforms. Annals of Mathematics and Artificial Intelligence, 2011, 61, 261-295.	1.3	54
11	The First Automated Negotiating Agents Competition (ANAC 2010). Studies in Computational Intelligence, 2012, , 113-135.	0.9	52
12	TRADR Project: Long-Term Human-Robot Teaming for Robot Assisted Disaster Response. KI - Kunstliche Intelligenz, 2015, 29, 193-201.	3.2	50
13	Dynamic task allocation for multi-robot search and retrieval tasks. Applied Intelligence, 2016, 45, 383-401.	5.3	42
14	Do You Get It? User-Evaluated Explainable BDI Agents. Lecture Notes in Computer Science, 2010, , 28-39.	1.3	42
15	Formal semantics for an abstract agent programming language. Lecture Notes in Computer Science, 1998, , 215-229.	1.3	41
16	Personalised self-explanation by robots: The role of goals versus beliefs in robot-action explanation for children and adults. , 2017, , .		40
17	Decoupling Negotiating Agents to Explore the Space of Negotiation Strategies. Studies in Computational Intelligence, 2014, , 61-83.	0.9	34
18	Eliminating Interdependencies Between Issues for Multi-issue Negotiation. Lecture Notes in Computer Science, 2006, , 301-316.	1.3	29

#	Article	IF	Citations
19	Modules as Policy-Based Intentions: Modular Agent Programming in GOAL. , 2007, , 156-171.		29
20	Effective acceptance conditions in real-time automated negotiation. Decision Support Systems, 2014, 60, 68-77.	5.9	28
21	Mood contagion of robot body language in human robot interaction. Autonomous Agents and Multi-Agent Systems, 2015, 29, 1216-1248.	2.1	27
22	The Automated Negotiating Agents Competition, 2010â€“2015. AI Magazine, 2015, 36, 115-118.	1.6	26
23	Design Patterns for an Interactive Storytelling Robot to Support Children's Engagement and Agency. , 2020, , .		26
24	Predicting the Performance of Opponent Models in Automated Negotiation. , 2013, , .		24
25	Effects of bodily mood expression of a robotic teacher on students. , 2014, , .		24
26	Agent programming in the cognitive era. Autonomous Agents and Multi-Agent Systems, 2020, 34, 1.	2.1	24
27	The Sixth Automated Negotiating Agents Competition (ANAC 2015). Studies in Computational Intelligence, 2017, , 139-151.	0.9	22
28	Control Structures of Rule-Based Agent Languages. Lecture Notes in Computer Science, 1999, , 381-396.	1.3	22
29	Robot for health data acquisition among older adults: a pilot randomised controlled cross-over trial. BMJ Quality and Safety, 2019, 28, 793-799.	3.7	21
30	Programming Organization-Aware Agents. Lecture Notes in Computer Science, 2009, , 98-112.	1.3	21
31	A Tit for Tat Negotiation Strategy for Real-Time Bilateral Negotiations. Studies in Computational Intelligence, 2013, , 229-233.	0.9	21
32	Effects of a robotic storyteller's moody gestures on storytelling perception. , 2015, , .		19
33	Heuristics for using CP-nets in utility-based negotiation without knowing utilities. Knowledge and Information Systems, 2015, 45, 357-388.	3.2	19
34	Creating human-machine synergy in negotiation support systems. , 2008, , .		18
35	Supporting the Design of General Automated Negotiators. Studies in Computational Intelligence, 2010, , 69-87.	0.9	18
36	The Benefits of Opponent Models in Negotiation. , 2009, , .		16

#	Article	IF	Citations
37	Negotiating Agents. AI Magazine, 2012, 33, 79.	1.6	16
38	Active learning of affordances for robot use of household objects. , 2014, , .		16
39	Semantics of Communicating Agents Based on Deduction and Abduction. Lecture Notes in Computer Science, 2000, , 63-79.	1.3	16
40	Model Checking Agent Programs by Using the Program Interpreter. Lecture Notes in Computer Science, 2010, , 219-237.	1.3	16
41	Measuring the Performance of Online Opponent Models in Automated Bilateral Negotiation. Lecture Notes in Computer Science, 2012, , 1-14.	1.3	16
42	Engineering Multi-Agent Systems. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2019, 44, 18-28.	0.7	16
43	Negotiation Dynamics: Analysis, Concession Tactics, and Outcomes. , 2007, , .		15
44	Altruistic coordination for multi-robot cooperative pathfinding. Applied Intelligence, 2016, 44, 269-281.	5.3	15
45	A Feasibility Study of a Social Robot Collecting Patient Reported Outcome Measurements from Older Adults. International Journal of Social Robotics, 2020, 12, 259-266.	4.6	15
46	Acceptance Conditions in Automated Negotiation. Studies in Computational Intelligence, 2013, , 95-111.	0.9	15
47	Debugging Is Explaining. Lecture Notes in Computer Science, 2012, , 31-45.	1.3	15
48	The role of emotion in self-explanations by cognitive agents. , 2017, , .		14
49	An Introduction to the Pocket Negotiator: A General Purpose Negotiation Support System. Lecture Notes in Computer Science, 2017, , 13-27.	1.3	14
50	Towards a Quality Assessment Method for Learning Preference Profiles in Negotiation. Lecture Notes in Business Information Processing, 2010, , 46-59.	1.0	14
51	An Agent-Based Cognitive Robot Architecture. Lecture Notes in Computer Science, 2013, , 54-71.	1.3	14
52	The Relative Importance and Interrelations between Behavior Parameters for Robots' Mood Expression. , 2013, , .		13
53	Using Temporal Logic to Integrate Goals and Qualitative Preferences into Agent Programming. Lecture Notes in Computer Science, 2009, , 215-232.	1.3	13
54	The Second Automated Negotiating Agents Competition (ANAC2011). Studies in Computational Intelligence, 2013, , 183-197.	0.9	13

#	Article	IF	Citations
55	GOAL: A Multi-agent Programming Language Applied to an Exploration Game. , 2014, , 235-258.		13
56	Bodily Mood Expression: Recognize Moods from Functional Behaviors of Humanoid Robots. Lecture Notes in Computer Science, 2013, , 511-520.	1.3	12
57	Let's dans! An analytic framework of negotiation dynamics and strategies. Web Intelligence and Agent Systems, 2011, 9, 319-335.	0.4	11
58	Robot learning and use of affordances in goal-directed tasks. , 2013, , .		11
59	Specifying and testing the design rationale of social robots for behavior change in children. Cognitive Systems Research, 2017, 43, 250-265.	2.7	11
60	A Formal Architecture for the 3APL Agent Programming Language. Lecture Notes in Computer Science, 2000, , 168-187.	1.3	11
61	CAAF: A Cognitive Affective Agent Programming Framework. Lecture Notes in Computer Science, 2016, , 317-330.	1.3	11
62	Quality of Care Perceived by Older Patients and Caregivers in Integrated Care Pathways With Interviewing Assistance From a Social Robot: Noninferiority Randomized Controlled Trial. Journal of Medical Internet Research, 2020, 22, e18787.	4.3	11
63	Mood expression through parameterized functional behavior of robots. , 2013, , .		10
64	Exploring the Ethical Landscape of Robot-Assisted Search and Rescue. Intelligent Systems, Control and Automation: Science and Engineering, 2017, , 93-107.	0.5	10
65	Towards an Open Negotiation Architecture for Heterogeneous Agents. Lecture Notes in Computer Science, 2008, , 264-279.	1.3	10
66	Combining Multiple Knowledge Representation Technologies into Agent Programming Languages. Lecture Notes in Computer Science, 2009, , 60-74.	1.3	10
67	An Interface for Agent-Environment Interaction. Lecture Notes in Computer Science, 2012, , 139-158.	1.3	10
68	Heuristic-Based Approaches for CP-Nets in Negotiation. Studies in Computational Intelligence, 2013, , 113-123.	0.9	10
69	Ontological reasoning for human-robot teaming in search and rescue missions. , 2016, , .		9
70	Persistent Robot-Assisted Disaster Response. , 2018, , .		9
71	Qualitative One-to-Many Multi-Issue Negotiation: Approximating the QVA. Group Decision and Negotiation, 2012, 21, 49-77.	3.3	8
72	Effective transfer learning of affordances for household robots. , 2014, , .		8

#	Article	IF	Citations
73	An Approach to Navigation for the Humanoid Robot Nao in Domestic Environments. Lecture Notes in Computer Science, 2014, , 298-310.	1.3	8
74	Human-Robot Teamwork in USAR Environments. , 2015, , .		8
75	Designing a source-level debugger for cognitive agent programs. Autonomous Agents and Multi-Agent Systems, 2017, 31, 941-970.	2.1	8
76	Proof of Concept of a Social Robot for Patient Reported Outcome Measurements in Elderly Persons. , 2018, , .		8
77	Reducing Stress by Bonding with a Social Robot. , 2018, , .		8
78	Analysis of Negotiation Dynamics. Lecture Notes in Computer Science, 2007, , 27-35.	1.3	8
79	Principles for Value-Sensitive Agent-Oriented Software Engineering. Lecture Notes in Computer Science, 2011, , 1-16.	1.3	8
80	Learning to Improve Agent Behaviours in GOAL. Lecture Notes in Computer Science, 2013, , 158-173.	1.3	8
81	Argumentation-Based Qualitative Preference Modelling with Incomplete and Uncertain Information. Group Decision and Negotiation, 2012, 21, 99-127.	3.3	7
82	The iCat as a Natural Interaction Partner. Lecture Notes in Computer Science, 2012, , 212-231.	1.3	7
83	GOAL Agents Instantiate Intention Logic. Lecture Notes in Computer Science, 2012, , 196-219.	1.3	7
84	A Computational Semantics for Communicating Rational Agents Based on Mental Models. Lecture Notes in Computer Science, 2010, , 31-48.	1.3	7
85	A Programming Logic for Part of the Agent Language 3APL. Lecture Notes in Computer Science, 2001, , 78-89.	1.3	6
86	Agent Logics as Program Logics: Grounding KARO. , 2006, , 404-418.		6
87	Exploring Heuristic Action Selection in Agent Programming. Lecture Notes in Computer Science, 2009, , 24-39.	1.3	6
88	GOAL Agents Instantiate Intention Logic. Lecture Notes in Computer Science, 2008, , 232-244.	1.3	6
89	An empirical study of cognitive agent programs. Multiagent and Grid Systems, 2012, 8, 187-222.	0.9	5
90	Enthusiastic Robots Make Better Contact. , 2019, , .		5

#	Article	IF	Citations
91	Integrating Valence and Arousal Within an Agent-Based Model of Emotion Contagion. Lecture Notes in Computer Science, 2021, , 303-315.	1.3	5
92	Getting Acquainted for a Long-Term Child-Robot Interaction. Lecture Notes in Computer Science, 2019, , 423-433.	1.3	5
93	Designing a Source-Level Debugger for Cognitive Agent Programs. Lecture Notes in Computer Science, 2015, , 335-350.	1.3	5
94	An Empirical Study of Patterns in Agent Programs. Lecture Notes in Computer Science, 2012, , 196-211.	1.3	5
95	An Empirical Study of Agent Programs. Lecture Notes in Computer Science, 2009, , 200-215.	1.3	5
96	A Multi-Agent Environment for Negotiation. , 2009, , 333-363.		5
97	An Argumentation Framework for Qualitative Multi-criteria Preferences. Lecture Notes in Computer Science, 2012, , 85-98.	1.3	5
98	Value-sensitive design patterns for pervasive health care. , 2012, , .		4
99	Designing a Knowledge Representation Interface for Cognitive Agents. Lecture Notes in Computer Science, 2015, , 33-50.	1.3	4
100	Expectation management in child-robot interaction. , 2017, , .		4
101	Evaluating Cognitive and Affective Intelligent Agent Explanations in a Long-Term Health-Support Application for Children with Type 1 Diabetes. , 2019, , .		4
102	GOAL as a Planning Formalism. Lecture Notes in Computer Science, 2009, , 29-40.	1.3	4
103	Reinforcement Learning as Heuristic for Action-Rule Preferences. Lecture Notes in Computer Science, 2012, , 25-40.	1.3	4
104	HactarV2: An Agent Team Strategy Based on Implicit Coordination. Lecture Notes in Computer Science, 2012, , 173-184.	1.3	4
105	Do You Have Pain?. , 2018, , .		4
106	Approximating an auction mechanism by multi-issue negotiation. , 2008, , .		3
107	Learning Classifier System on a humanoid NAO robot in dynamic environments. , 2012, , .		3
108	Special Issue on â€˜Human Factors and Computational Models in Negotiationâ€™. Group Decision and Negotiation, 2012, 21, 1-2.	3.3	3

#	Article	IF	Citations
109	A Fully Integrated Development Environment for Agent-Oriented Programming. Lecture Notes in Computer Science, 2015, , 288-291.	1.3	3
110	Self-explanations of a cognitive agent by citing goals and emotions. , 2017, , .		3
111	A Programming Language for Coordinating Group Actions. Lecture Notes in Computer Science, 2002, , 313-321.	1.3	3
112	A Robot Math Tutor that Gives Feedback. Lecture Notes in Computer Science, 2019, , 601-610.	1.3	3
113	The Shaping of the Agent-Oriented Mindset. Lecture Notes in Computer Science, 2014, , 1-14.	1.3	3
114	Using Automatic Failure Detection for Cognitive Agents in Eclipse (AAMAS 2016 DEMONSTRATION). Lecture Notes in Computer Science, 2016, , 59-80.	1.3	3
115	Omniscient Debugging for Cognitive Agent Programs. , 2017, , .		3
116	Eliminating issue dependencies in complex negotiation domains. Multiagent and Grid Systems, 2010, 6, 477-501.	0.9	2
117	Welcoming Robot Behaviors for Drawing Attention. , 2019, , .		2
118	Welcoming Robot Behaviors for Drawing Attention. , 2019, , .		2
119	Optimal Non-adaptive Concession Strategies with Incomplete Information. Studies in Computational Intelligence, 2016, , 39-54.	0.9	2
120	Argumentation-Based Preference Modelling with Incomplete Information. Lecture Notes in Computer Science, 2010, , 141-157.	1.3	2
121	Multi-attribute Preference Logic. Lecture Notes in Computer Science, 2012, , 181-195.	1.3	2
122	HRI Workshop on Human-Robot Teaming. , 2015, , .		2
123	Who Wants to Grant Robots Rights?. Frontiers in Robotics and AI, 2021, 8, 781985.	3.2	2
124	A study into modeling coordination in disruption management by Airline Operations Control. , 2014, , .		1
125	Incremental Development of Large-Scale Human-Robot Teamwork in Disaster Response Environments. , 2017, , .		1
126	Automating failure detection in cognitive agent programs. International Journal of Agent Oriented Software Engineering, 2018, 6, 275.	0.4	1

#	Article	IF	Citations
127	What Could Go Wrong?! 2nd Workshop: Lessons Learned When Doing HRI User Studies with Off-the-Shelf Social Robots. , 2019, , .		1
128	A Formal Graphical Language of Interdependence in Teamwork. IEEE Intelligent Systems, 2019, 34, 25-34.	4.0	1
129	On the Expressivity of a Parametric Humanoid Emotion Model. , 2020, , .		1
130	Automatic Issue Extraction from a Focused Dialogue. Lecture Notes in Computer Science, 2007, , 204-216.	1.3	1
131	Towards a Verification Framework for Communicating Rational Agents. Lecture Notes in Computer Science, 2009, , 177-182.	1.3	1
132	Compiling GOAL Agent Programs into Jazzyk Behavioural State Machines. Lecture Notes in Computer Science, 2008, , 86-98.	1.3	1
133	On the need for a coordination mechanism to guarantee task completion in a cooperative team. , 2015, , .		0
134	Boolean Negotiation Games. Lecture Notes in Computer Science, 2017, , 1-18.	1.3	0
135	How to Recognize and Explain Bidding Strategies in Negotiation Support Systems. Studies in Computational Intelligence, 2021, , 35-53.	0.9	0
136	Approximating the Qualitative Vickrey Auction by a Negotiation Protocol. Lecture Notes in Business Information Processing, 2010, , 44-57.	1.0	0
137	An Argumentation Framework for Deriving Qualitative Risk Sensitive Preferences. Lecture Notes in Computer Science, 2011, , 556-565.	1.3	0
138	Goal-Based Qualitative Preference Systems. Lecture Notes in Computer Science, 2013, , 153-169.	1.3	0
139	Reasoning about Interest-Based Preferences. Communications in Computer and Information Science, 2013, , 115-130.	0.5	0
140	Performance of Communicating Cognitive Agents in Cooperative Robot Teams. Lecture Notes in Computer Science, 2015, , 13-31.	1.3	0
141	Omniscient Debugging for GOAL Agents in Eclipse (Demonstration). , 2017, , .		0
142	What Could Go Wrong. , 2018, , .		0
143	Artificial Intelligence in Health Care and Medicine: A Personalized Approach. Acta Scientific Medical Sciences, 2019, 3, 71-78.	0.0	0