Nancy J Cooke

List of Publications by Year
in descending order

61 papers	2,568 citations	361413 20 h-index	214800 47 g-index
62 all docs	62 docs citations	62 times ranked	1156 citing authors

#	Article	IF	Citations
1	Measuring Team Knowledge. Human Factors, 2000, 42, 151-173.	3.5	422
2	Interactive Team Cognition. Cognitive Science, 2013, 37, 255-285.	1.7	352
3	Measuring team situation awareness in decentralized command and control environments. Ergonomics, 2006, 49, 1312-1325.	2.1	224
4	Teaming With a Synthetic Teammate: Insights into Human-Autonomy Teaming. Human Factors, 2018, 60, 262-273.	3.5	160
5	Training Adaptive Teams. Human Factors, 2010, 52, 295-307.	3.5	143
6	Team cognition in experienced command-and-control teams.. Journal of Experimental Psychology: Applied, 2007, 13, 146-157.	1.2	105
7	Team Cognition as Interaction. Current Directions in Psychological Science, 2015, 24, 415-419.	5.3	94
8	Team situation awareness within the context of human-autonomy teaming. Cognitive Systems Research, 2017, 46, 3-12.	2.7	93
9	Measuring Patterns in Team Interaction Sequences Using a Discrete Recurrence Approach. Human Factors, 2012, 54, 503-517.	3.5	81
10	Interaction-Based Measures of Cognitive Systems. Journal of Cognitive Engineering and Decision Making, 2009, 3, 27-46.	2.3	65
11	The synthetic teammate project. Computational and Mathematical Organization Theory, 2010, 16, 271-299.	2.0	55
12	Changes in team cognition after a retention interval: The benefits of mixing it up.. Journal of Experimental Psychology: Applied, 2011, 17, 303-319.	1.2	50
13	Network and multidimensional representations of the declarative knowledge of human-computer interface design experts. International Journal of Man-Machine Studies, 1992, 36, 587-615.	0.7	44
14	Team Coordination and Effectiveness in Human-Autonomy Teaming. IEEE Transactions on Human-Machine Systems, 2019, 49, 150-159.	3.5	44
15	Synthetic Teammate Communication and Coordination With Humans. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 951-955.	0.3	40
16	A conceptual model of team dynamical behaviors and performance in human-autonomy teaming. Cognitive Systems Research, 2018, 52, 497-507.	2.7	37
17	Understanding human-robot teams in light of all-human teams: Aspects of team interaction and shared cognition. International Journal of Human Computer Studies, 2020, 140, 102436.	5.6	36
18	Team communication behaviors of the human-automation teaming. , 2016, , .		31

#	Article	IF	Citations
19	Understanding the Role of Trust in Human-Autonomy Teaming. , 2019, , .		30
20	Human-centered automation for resilient nuclear power plant outage control. Automation in Construction, 2017, 82, 179-192.	9.8	28
21	Autonomous Intelligent Agents for Team Training. IEEE Intelligent Systems, 2019, 34, 3-14.	4.0	25
22	Evaluation of Latent Semantic Analysis-Based Measures of Team Communications Content. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 424-428.	0.3	24
23	Human-Robot Teaming in Urban Search and Rescue. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 250-254.	0.3	24
24	Trust and Team Performance in Human–Autonomy Teaming. International Journal of Electronic Commerce, 2021, 25, 51-72.	3.0	24
25	Exploration of Teammate Trust and Interaction Dynamics in Human-Autonomy Teaming. IEEE Transactions on Human-Machine Systems, 2021, 51, 696-705.	3.5	23
26	The Evolution of Human-Autonomy Teams in Remotely Piloted Aircraft Systems Operations. Frontiers in Communication, 2019, 4, .	1.2	21
27	Evaluating sociotechnical dynamics in a simulated remotely-piloted aircraft system: a layered dynamics approach. Ergonomics, 2019, 62, 629-643.	2.1	21
28	Distributed dynamic team trust in human, artificial intelligence, and robot teaming. , 2021, , 301-319.		18
29	From battle plans to football plays: Extending military team cognition to football. International Journal of Sport and Exercise Psychology, 2006, 4, 422-446.	2.1	15
30	Developing Human-Robot Team Interdependence in a Synthetic Task Environment. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1503-1507.	0.3	15
31	Preface to the Special Section on Methods for the Analysis of Communication. Human Factors, 2012, 54, 485-488.	3.5	14
32	State of science: models and methods for understanding and enhancing teams and teamwork in complex sociotechnical systems. Ergonomics, 2022, 65, 161-187.	2.1	12
33	The Complex Dynamics of Team Situation Awareness in Human-Autonomy Teaming. , 2018, , .		11
34	Towards Human–Robot Teaming: Tradeoffs of Explanation-Based Communication Strategies in a Virtual Search and Rescue Task. International Journal of Social Robotics, 2022, 14, 1117-1136.	4.6	11
35	A Framework for Human-Autonomy Team Research. Lecture Notes in Computer Science, 2020, , 134-146.	1.3	9
36	Team Situation Awareness in Human-Autonomy Teaming: A Systems Level Approach. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 149-149.	0.3	8

#	Article	IF	Citations
37	Remote research methods for Human–AI–Robot Teaming. Human Factors and Ergonomics in Manufacturing, 0, , .	2.7	8
38	The Impact of Training on Human–Autonomy Team Communications and Trust Calibration. Human Factors, 2023, 65, 1554-1570.	3.5	8
39	Investigating Team Coordination in Baseball Using a Novel Joint Decision Making Paradigm. Frontiers in Psychology, 2017, 8, 907.	2.1	7
40	Dyadic Team Interaction and Shared Cognition to Inform Human-Robot Teaming. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 124-124.	0.3	7
41	Human reliability for safe and efficient civil infrastructure operation and maintenance â€" A review. Developments in the Built Environment, 2020, 4, 100028.	4.0	7
42	Approaches for assessing communication in human-autonomy teams. Human-Intelligent Systems Integration, 2021, 3, 99-128.	2.5	7
43	Bridging psychology and engineering to make technology work for people.. American Psychologist, 2019, 74, 394-406.	4.2	7
44	The Dynamics of Trust and Verbal Anthropomorphism in Human-Autonomy Teaming. , 2021, , .		7
45	The Role of Teamwork in the Analysis of Big Data: A Study of Visual Analytics and Box Office Prediction. Big Data, 2017, 5, 53-66.	3.4	6
46	Effective Team Interaction for Adaptive Training and Situation Awareness in Human-Autonomy Teaming. , 2019, , .		6
47	Training and Verbal Communications in Human-Autonomy Teaming Under Degraded Conditions. , 2020, , .		6
48	Team Coordination Dynamics in Human-Autonomy Teaming. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 236-236.	0.3	5
49	Systems Level Evaluation of Resilience in Human-Autonomy Teaming under Degraded Conditions. , 2018, , .		5
50	Team Coordination of Team Situation Awareness in Human-Autonomy Teaming. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 146-147.	0.3	5
51	A Human Factors Approach to Building High-Performance Multi- Professional Cardiac Arrest Teams. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2016, 5, 68-71.	0.3	2
52	Layered Dynamics and System Effectiveness of Human-Autonomy Teams Under Degraded Conditions. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 165-165.	0.3	2
53	Does Team Interaction Exploration Support Resilience in Human Autonomy Teaming?. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1866-1866.	0.3	2
54	Examining Human-Autonomy Team Interaction and Explicable Behavior in a Dynamic LEGO Construction Task. Procedia Computer Science, 2020, 168, 195-201.	2.0	2

#	Article	IF	Citations
55	Assessing Communication and Trust in an AI Teammate in a Dynamic Task Environment. , 2021, , .		2
56	Editorial: Understanding the Successful Coordination of Team Behavior. Frontiers in Psychology, 2017, 8, 1869.	2.1	1
57	An Empirical Exploration of Resilience in Human-Autonomy Teams Operating Remotely Piloted Aircraft Systems. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 153-154.	0.3	1
58	An Interaction Taxonomy of Human–Agent Teaming in Next Generation Combat Vehicle Systems. Advances in Intelligent Systems and Computing, 2021, , 10-16.	0.6	1
59	Exploration of Time-Based Resilience Measurements for Next Generation Combat Vehicle Teams. , 2021, , .		1
60	Modeling Information Pooling Bias in Incident Response Teams: An Agent Based Modeling Approach. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 436-440.	0.3	0
61	Team Interaction Strategies for Human–Autonomy Teaming in Next Generation Combat Vehicles. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 77-81.	0.3	0