

Humans: Still Vital After All These Years of Automation

Human Factors

50, 511-520

DOI: 10.1518/001872008x312198

Citation Report

#	ARTICLE	IF	CITATIONS
1	Situation Awareness: Review of Mica Endsley's 1995 Articles on Situation Awareness Theory and Measurement. Human Factors, 2008, 50, 397-403.	3.5	242
2	Clinical Decision Support Systems: The Fascination with Closed-Loop Control. Yearbook of Medical Informatics, 2009, 18, 17-21.	1.0	0
3	The Effects of System Technology and Probability Type on Trust, Compliance, and Reliance. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1368-1372.	0.3	7
4	Current Concepts and Trends in Human-Automation Interaction. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 299-303.	0.3	3
5	Human-automation teams and adaptable control for future air traffic management. International Journal of Industrial Ergonomics, 2009, 39, 894-903.	2.6	44
6	AAFES: An Intelligent Fuzzy Expert System for Realization of Adaptive Autonomy Concept. , 2009, , .		1
7	Transitioning to Future Air Traffic Management: Effects of Imperfect Automation on Controller Attention and Performance. Human Factors, 2010, 52, 411-425.	3.5	36
8	Cumulative Knowledge and Progress in Human Factors. Annual Review of Psychology, 2010, 61, 623-651.	17.7	53
9	Impact of Conflict Avoidance Responsibility Allocation on Pilot Workload in a Distributed Air Traffic Management System. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 55-59.	0.3	8
10	Investigation of performance shaping factors in a practical human-automation interaction system. , 2010, , .		7
11	Designing for Human-Centered Systems: Situational Risk as a Factor of Trust in Automation. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 2130-2134.	0.3	30
12	AAPNES: A Petri Net expert system realization of adaptive autonomy in smart grid. , 2010, , .		6
13	Complacency and Bias in Human Use of Automation: An Attentional Integration. Human Factors, 2010, 52, 381-410.	3.5	726
14	Cyber security for Smart Grid: A human-automation interaction framework. , 2010, , .		13
15	AAHES: A hybrid expert system realization of Adaptive Autonomy for smart grid. , 2010, , .		7
16	AALRES: An intelligent expert system for realization of Adaptive Autonomy using Logistic Regression. , 2010, , .		9
17	AAHPNES: A Hierarchical Petri Net Expert System realization of adaptive autonomy in Smart Grid. , 2011, , .		1
18	The many faces of human operators in process control: a framework of analogies. Theoretical Issues in Ergonomics Science, 2011, 12, 297-317.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Explicit control of adaptive automation under different levels of environmental stress. Ergonomics, 2011, 54, 755-766.	2.1	20
20	AASVMES: An intelligent expert system for realization of Adaptive Autonomy using Support Vector Machine. , 2011, , .		1
22	An Ethnographic Approach to Human-Machine Relationships in Commercial Aviation: Heads-Up Guidance and Enhanced Vision. , 2011, , .		0
23	Allocation of functions in a far-term air traffic control environment. , 2011, , .		0
24	Automation Influence on Unmanned Aerial System Operator Training. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 143-146.	0.3	2
25	Affective Processes in Humanâ€Automation Interactions. Human Factors, 2011, 53, 356-370.	3.5	161
26	Air Traffic Control Separation Minima: Part 2 â€ Transition to a Trajectory-based System. Journal of Navigation, 2011, 64, 673-693.	1.7	6
27	Prospective memory in an air traffic control simulation: External aids that signal when to act.. Journal of Experimental Psychology: Applied, 2011, 17, 60-70.	1.2	34
28	Inappropriate trust in technology: implications for critical care nurses. Nursing in Critical Care, 2011, 16, 92-98.	2.3	20
29	Man With Generalized Weakness. Annals of Emergency Medicine, 2011, 58, 8-11.	0.6	0
30	Risk, Radiation, and Rationality. Annals of Emergency Medicine, 2011, 58, 9-11.	0.6	7
31	Social Work in the Laboratory: Using Microworlds for Practice Research. British Journal of Social Work, 2011, 41, 744-760.	1.4	20
32	AAFGDES: A fuzzy expert system realization of Adaptive Autonomy using Gradient Descent. , 2011, , .		2
33	Task-model based assessment of automation levels: Application to space ground segments. , 2011, , .		30
34	Development of a face-to-face meeting capture and indexing process. , 2011, , .		5
35	Development of production cells with regard to physical and cognitive automation: A decade of evolution. , 2011, , .		1
36	Automation-Level Transference Effects in Simulated Multiple Unmanned Aerial Vehicle Control. Journal of Cognitive Engineering and Decision Making, 2011, 5, 55-82.	2.3	23
37	Whereâ€™s the Emotion? How Sport Psychology Can Inform Research on Emotion in Human Factors. Human Factors, 2011, 53, 180-202.	3.5	27

#	ARTICLE	IF	CITATIONS
38	Human performance index “a generic performance indicator. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2011, 225, 721-734.	1.0	6
39	Design of an Optimal Automation System: Finding a Balance between a Human’s Task Engagement and Exhaustion. Lecture Notes in Computer Science, 2011, , 98-108.	1.3	2
40	Mitigation of Conflicts with Automation. Human Factors, 2011, 53, 448-460.	3.5	49
41	Alterations in cognitive performance during passive hyperthermia are task dependent. International Journal of Hyperthermia, 2011, 27, 1-9.	2.5	162
42	The Health and Safety Benefits of New Technologies in Mining: A Review and Strategy for Designing and Deploying Effective User-Centred Systems. Minerals (Basel, Switzerland), 2012, 2, 417-425.	2.0	9
43	Pilot Performance in Trajectory-Based Operations Under Concepts of Operation That Vary Separation Responsibility Across Pilots, Air Traffic Controllers, and Automation. International Journal of Human-Computer Interaction, 2012, 28, 107-118.	4.8	22
44	Measuring workload during a dynamic supervisory control task using cerebral blood flow velocity and the NASA-TLX. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 163-167.	0.3	9
45	A Comparison of Visualization and Command-Based Decision Aiding in a Simulated Aircraft Departure Sequencing Task. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 233-237.	0.3	0
46	Supporting Dynamic Re-Planning In Multiple Uav Control: A Comparison of 3 Levels of Automation. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 423-427.	0.3	6
47	Exploring Strategy Use in a Multiple-Task Environment: Effects of Automation Reliability and Task Properties. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2123-2127.	0.3	0
48	Design of a pilot-centered visual decision-support system for airborne collision avoidance. , 2012, , .		0
49	Using Engagement to Negate Vigilance Decrements in the NextGen Environment. International Journal of Human-Computer Interaction, 2012, 28, 99-106.	4.8	31
50	The Influence of Automation Support on Performance, Workload, and Situation Awareness of Air Traffic Controllers. The International Journal of Aviation Psychology, 2012, 22, 120-143.	0.7	15
51	A comparison of adaptive and adaptable automation under different levels of environmental stress. Ergonomics, 2012, 55, 840-853.	2.1	37
53	From Task Allocation Towards Resource Allocation when Optimising Assembly Systems. Procedia CIRP, 2012, 3, 400-405.	1.9	8
54	Requirement of AAL systems. , 2012, , .		8
55	An Overview of Human Factors Psychology. , 2012, , .		2
56	Automation in aviation. , 0, , .		26

#	ARTICLE	IF	CITATIONS
57	Coordinating multi-level cognitive assistance and incorporating dynamic confidence information in driver-vehicle interfaces. Human Factors and Ergonomics in Manufacturing, 2012, 22, 437-449.	2.7	11
58	Cognitive conflict in human-automation interactions: A psychophysiological study. Applied Ergonomics, 2012, 43, 588-595.	3.1	68
59	Tipping point: The narrow path between automation acceptance and rejection in air traffic management. Safety Science, 2012, 50, 259-265.	4.9	23
60	Haptic shared control: smoothly shifting control authority?. Cognition, Technology and Work, 2012, 14, 19-28.	3.0	403
62	Cognitive engineering. Wiley Interdisciplinary Reviews: Cognitive Science, 2013, 4, 17-31.	2.8	20
63	Adaptive function allocation stabilization and a comparison of trigger types and adaptation strategies. International Journal of Industrial Ergonomics, 2013, 43, 439-449.	2.6	4
64	Should it be automatic or manual? The occupant's perspective on the design of domestic control systems. Energy and Buildings, 2013, 65, 119-126.	6.7	48
65	Designing automation for complex work environments under different levels of stress. Applied Ergonomics, 2013, 44, 119-127.	3.1	55
66	Measuring the Impact of NextGen Operating Concepts for Separation Assurance on Pilot Situation Awareness and Workload. The International Journal of Aviation Psychology, 2013, 23, 1-26.	0.7	9
67	Multiscale approach to the security of hardware supply chains for energy systems. Environment Systems and Decisions, 2013, 33, 326-334.	3.4	16
68	Cognitive automation strategy for reconfigurable and sustainable assembly systems. Assembly Automation, 2013, 33, 294-303.	1.7	52
69	Complex activities in an operations center. , 2013, , .		6
70	ARTFul. , 2013, , .		71
71	A dynamic knowledge management framework for the high value manufacturing industry. International Journal of Production Research, 2013, 51, 2176-2185.	7.5	16
72	The role of automation in reducing stress and negative affect while driving. Theoretical Issues in Ergonomics Science, 2013, 14, 53-68.	1.8	26
73	Toward a Framework for Levels of Robot Autonomy in Human-Robot Interaction. Journal of Human-robot Interaction, 2014, 3, 74.	2.0	359
74	Stages and Levels of Automation in Support of Space Teleoperations. Human Factors, 2014, 56, 1050-1061.	3.5	36
75	Understanding human management of automation errors. Theoretical Issues in Ergonomics Science, 2014, 15, 545-577.	1.8	47

#	ARTICLE	IF	CITATIONS
76	The law and the loop. , 2014, , .		1
77	Cognitive and Organizational Challenges of Big Data in Cyber Defense. , 2014, , .		5
78	A function-to-task process model for adaptive automation system design. International Journal of Human Computer Studies, 2014, 72, 822-834.	5.6	27
79	Quantifying the effectiveness of an alarm management system through human factors studies. Computers and Chemical Engineering, 2014, 67, 1-12.	3.8	30
80	How different types of users develop trust in technology: A qualitative analysis of the antecedents of active and passive user trust in a shared technology. Applied Ergonomics, 2014, 45, 1495-1503.	3.1	47
81	Experimental manipulation of reliability in ambient assisted living - an analysis of trust and intention to use. International Journal of Human Factors and Ergonomics, 2014, 3, 122.	0.3	0
82	Bayesian Perspective on the Deck Officer's Situation Awareness to Navigation Accidents. Procedia Manufacturing, 2015, 3, 2341-2348.	1.9	5
83	Transparent Automation for Assessing and Designing better Interactions between Operators and Partly-Autonomous Interactive Systems. , 2015, , .		16
84	Beyond Reliance and Compliance. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 195-199.	0.3	7
85	The influence of spatial ability and experience on performance during spaceship rendezvous and docking. Frontiers in Psychology, 2015, 6, 955.	2.1	7
86	Situation Awareness in Command and Control. , 2015, , 891-911.		3
87	Perception of Trust in Automation. , 0, , 488-509.		0
88	Human Factors and Ergonomics in Transportation Control Systems. Procedia Manufacturing, 2015, 3, 2913-2920.	1.9	10
89	The Role of Trust as a Mediator Between System Characteristics and Response Behaviors. Human Factors, 2015, 57, 947-958.	3.5	42
90	Human factors engineering in aircraft maintenance: a review. Journal of Quality in Maintenance Engineering, 2015, 21, 478-505.	1.7	30
91	Engineering Psychology and Cognitive Ergonomics. Lecture Notes in Computer Science, 2015, , .	1.3	3
93	A study on trust in alarms in a nuclear power plant microworld simulation. , 2015, , .		2
94	Trust In Unmanned Driving System. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
95	The impact of controller support tools in enroute air traffic control on cognitive error modes: A comparative analysis in two operational environments. <i>Safety Science</i> , 2015, 71, 2-15.	4.9	16
96	Studying the impact of interoperable electronic health records on workflow in ambulatory care. <i>International Journal of Industrial Ergonomics</i> , 2015, 49, 144-155.	2.6	6
97	Impact of automation: Measurement of performance, workload and behaviour in a complex control environment. <i>Applied Ergonomics</i> , 2015, 47, 52-64.	3.1	47
98	Putting the Brakes on Autonomous Vehicle Control. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 1859-1863.	0.3	8
99	Stick Must Fall: Using Machine Learning to Predict Human Error in Virtual Balancing Task. , 2016, , .		1
100	The Impact of Automation Reliability and Operator Fatigue on Performance and Reliance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 211-215.	0.3	12
101	Considering human's non-deterministic behavior and his availability state when designing a collaborative human-robots system. , 2016, , .		13
102	The Knowledge-based tools for the steel industry. <i>IFAC-PapersOnLine</i> , 2016, 49, 379-384.	0.9	0
104	Reducing prospective memory error and costs in simulated air traffic control: External aids, extending practice, and removing perceived memory requirements.. <i>Journal of Experimental Psychology: Applied</i> , 2016, 22, 272-284.	1.2	7
105	Tactile Spatial Guidance for Collision Avoidance in NextGen Flight Operations. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 303-307.	0.3	5
106	Automation Reliability and Other Contextual Factors in Multi-UAV Operator Selection. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 846-850.	0.3	7
107	Registration errors in beacon-based navigation guidance systems: Influences on path efficiency and user reliance. <i>International Journal of Human Computer Studies</i> , 2016, 96, 1-11.	5.6	12
108	The influence of attitude towards individualsâ€™ choice for a remotely piloted commercial flight: A latent class logit approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 71, 51-62.	7.6	16
109	Automated UAV tasks for search and surveillance. , 2016, , .		29
110	Reaction Times When Switching From Autonomous to Manual Driving Control. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 1854-1858.	0.3	15
111	Human-Automation Manufacturing Industry System: Current Trends and Practice. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 137-145.	0.6	6
112	Decision Errors and Accidents. <i>Journal of Cognitive Engineering and Decision Making</i> , 2016, 10, 281-290.	2.3	10
113	Uncertainty management in enroute air traffic control: a field study exploring controller strategies and requirements for automation. <i>Cognition, Technology and Work</i> , 2016, 18, 541-565.	3.0	17

#	ARTICLE	IF	CITATIONS
114	The long journey toward a higher level of automation in ATM as safety critical, sociotechnical and multi-Agent system. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1533-1547.	1.3	7
115	The Development and Evaluation of Countermeasures to Tactile Change Blindness. Human Factors, 2016, 58, 482-495.	3.5	5
116	Trust in vehicle technology. International Journal of Vehicle Design, 2016, 70, 157.	0.3	51
117	System reliability, performance and trust in adaptable automation. Applied Ergonomics, 2016, 52, 333-342.	3.1	61
118	Keep the driver in control: Automating automobiles of the future. Applied Ergonomics, 2016, 53, 389-395.	3.1	115
119	Does the domain of technology impact user trust? Investigating trust in automation across different consumer-oriented domains in young adults, military, and older adults. Theoretical Issues in Ergonomics Science, 2017, 18, 199-220.	1.8	25
120	Advances in Human Factors in Sports and Outdoor Recreation. Advances in Intelligent Systems and Computing, 2017, , .	0.6	4
121	Industrial Robot Ethics: The Challenges of Closer Human Collaboration in Future Manufacturing Systems. Intelligent Systems, Control and Automation: Science and Engineering, 2017, , 159-169.	0.5	24
122	Intuitive Cognition and Models of Humanâ€Automation Interaction. Human Factors, 2017, 59, 101-115.	3.5	31
123	Enhancing user experience with conversational agent for movie recommendation: Effects of self-disclosure and reciprocity. International Journal of Human Computer Studies, 2017, 103, 95-105.	5.6	200
124	Cognition, Technology, and Organizational Limits: Lessons from the Air France 447 Disaster. Organization Science, 2017, 28, 729-743.	4.5	49
125	Effects of movement speed and predictability in humanâ€robot collaboration. Human Factors and Ergonomics in Manufacturing, 2017, 27, 197-209.	2.7	87
126	Data and Information Handling in Assembly Information Systems â€ A Current State Analysis. Procedia Manufacturing, 2017, 11, 2099-2106.	1.9	12
127	Driver assist system for humanâ€machine interaction. Cognition, Technology and Work, 2017, 19, 819-836.	3.0	8
128	The out-of-the-loop Brain: A neuroergonomic approach of the human automation interaction. Annual Reviews in Control, 2017, 44, 303-315.	7.9	23
129	Refining Supervisory Control Capability for Target User Populations. Lecture Notes in Computer Science, 2017, , 721-731.	1.3	1
130	A risk model for autonomous marine systems and operation focusing on humanâ€autonomy collaboration. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2017, 231, 446-464.	0.7	22
131	Collaboration and Decision-Making in Context. Automation, Collaboration, and E-services, 2017, , 1-30.	0.5	3

#	ARTICLE	IF	CITATIONS
132	Human-machine interaction theories and lane departure warnings. Theoretical Issues in Ergonomics Science, 2017, 18, 519-547.	1.8	28
133	The use of adaptable automation: Effects of extended skill lay-off and changes in system reliability. Applied Ergonomics, 2017, 58, 471-481.	3.1	10
134	Operator adaptation to changes in system reliability under adaptable automation. Ergonomics, 2017, 60, 1261-1272.	2.1	7
135	Perceive the difference: Vehicle pitch motions as feedback for the driver. , 2017, , .		9
136	Complacency and Automation Bias in the Enbridge Pipeline Disaster. Ergonomics in Design, 2017, 25, 17-22.	0.7	8
137	Autopilot, Mind Wandering, and the Out of the Loop Performance Problem. Frontiers in Neuroscience, 2017, 11, 541.	2.8	25
138	Crash Countermeasures and Design of Safety. , 2017, , 1085-1175.		1
139	Design Possibilities for Vehicle Roll Motions as Feedback for the Driver during Automated Driving. , 2017, , .		2
140	Attitudes Toward Unreliable Diagnostic Aiding in Dangerous Task Environments. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1161-1165.	0.3	0
141	The privileged sensing framework: A principled approach to improved human-autonomy integration. Theoretical Issues in Ergonomics Science, 2018, 19, 283-320.	1.8	14
142	Ironies of Automation: Still Unresolved After All These Years. IEEE Transactions on Human-Machine Systems, 2018, 48, 419-433.	3.5	72
143	Enhancing the effectiveness of human-robot teaming with a closed-loop system. Applied Ergonomics, 2018, 67, 91-103.	3.1	18
144	Automated driving: Safety blind spots. Safety Science, 2018, 102, 68-78.	4.9	157
145	Design Guidelines for Reliability Communication in Autonomous Vehicles. , 2018, , .		16
146	Steering Behavior with Different Levels of Automation Interventions for Avoiding Collisions During Lane Change. , 2018, , .		4
147	From reading to driving. , 2018, , .		37
148	Automation in airport security X-ray screening of cabin baggage: Examining benefits and possible implementations of automated explosives detection. Applied Ergonomics, 2018, 72, 58-68.	3.1	29
149	A Topology of Shared Control Systems-Finding Common Ground in Diversity. IEEE Transactions on Human-Machine Systems, 2018, 48, 509-525.	3.5	134

#	ARTICLE	IF	CITATIONS
151	Changes in driver glance behavior when using a system that automates steering to perform a low-speed parallel parking maneuver. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 629-639.	3.7	5
152	Keeping the Driver in the Loop: The "Other"™ Ethics of Automation. Advances in Intelligent Systems and Computing, 2019, , 70-79.	0.6	2
153	Performance, Workload, and Situation Awareness in Manual and Automation-Aided Rendezvous and Docking. Aerospace Medicine and Human Performance, 2019, 90, 447-455.	0.4	0
154	Sepsis surveillance: an examination of parameter sensitivity and alert reliability. JAMIA Open, 2019, 2, 339-345.	2.0	2
155	Complexity-based task allocation in human-robot collaborative assembly. Industrial Robot, 2019, 46, 471-480.	2.1	95
156	On the Bridges: Insight Into the Current and Future Use of Automated Systems as Seen by Royal Navy Personnel. Journal of Cognitive Engineering and Decision Making, 2019, 13, 127-145.	2.3	5
157	A Framework for Evaluating Field-Based, High-Throughput Phenotyping Systems: A Meta-Analysis. Sensors, 2019, 19, 3582.	3.8	2
158	Assessing Control Devices for the Supervisory Control of Autonomous Wingmen. , 2019, , .		5
159	Vehicle Politeness in Driving Situations. Future Internet, 2019, 11, 48.	3.8	11
160	Looking for Age Differences in Self-Driving Vehicles: Examining the Effects of Automation Reliability, Driving Risk, and Physical Impairment on Trust. Frontiers in Psychology, 2019, 10, 800.	2.1	26
161	Announcing Automated Lane Changes: Active Vehicle Roll Motions as Feedback for the Driver. International Journal of Human-Computer Interaction, 2019, 35, 980-995.	4.8	6
162	Human performance metrics for the nuclear domain: A tool for evaluating measures of workload, situation awareness and teamwork. International Journal of Industrial Ergonomics, 2019, 69, 217-227.	2.6	17
163	Comprehensibility and Perceptibility of Vehicle Pitch Motions as Feedback for the Driver During Partially Automated Driving. IEEE Transactions on Intelligent Vehicles, 2019, 4, 3-13.	12.7	9
164	What factors predict the type of person who is willing to fly in an autonomous commercial airplane?. Journal of Air Transport Management, 2019, 75, 131-138.	4.5	34
165	Development of an Autonomous Manager for Dyadic Human-Machine Teams in an Applied Multitasking Surveillance Environment. Advances in Intelligent Systems and Computing, 2019, , 706-711.	0.6	2
166	Vigilance and Automation Dependence in Operation of Multiple Unmanned Aerial Systems (UAS): A Simulation Study. Human Factors, 2019, 61, 488-505.	3.5	22
167	Specifying autonomy in the Internet of Things: the autonomy model and notation. Information Systems and E-Business Management, 2019, 17, 159-194.	3.7	17
168	Trust and Distrust of Automated Parking in a Tesla Model X. Human Factors, 2020, 62, 194-210.	3.5	44

#	ARTICLE	IF	CITATIONS
169	Humans interacting with intelligent machines: at the crossroads of symbiotic teamwork. , 2020, , 165-197.		4
170	Reconfiguring and ramping-up ventilator production in the face of COVID-19: Can robots help?. Journal of Manufacturing Systems, 2021, 60, 864-875.	13.9	51
171	Capturing Expert Knowledge to Inform Decision Support Technology for Marine Operations. Journal of Marine Science and Engineering, 2020, 8, 689.	2.6	10
172	Development of an Autonomous Manager for Dynamic Human-Machine Task Allocation in Operational Surveillance. , 2020, , .		2
173	Impact of Automation on General Aviation Rotorcraft Mishaps: A Human Factors Analysis. , 2020, , .		0
174	How Can Physiological Computing Benefit Human-Robot Interaction?. Robotics, 2020, 9, 100.	3.5	25
175	Humanâ€“Autonomy Teaming: A Review and Analysis of the Empirical Literature. Human Factors, 2022, 64, 904-938.	3.5	134
176	Occupational Heat Stress, Thermal Comfort, and Cognitive Performance in the OR: An Integrative Review. AORN Journal, 2020, 111, 536-545.	0.3	11
177	How do conversational case-based reasoning systems interact with their users: a literature review. Behaviour and Information Technology, 2021, 40, 1544-1563.	4.0	3
178	A DISCRETE-EVENT SIMULATION MODEL FOR DRIVER PERFORMANCE ASSESSMENT: APPLICATION TO AUTONOMOUS VEHICLE COCKPIT DESIGN OPTIMIZATION. Proceedings of the Design Society DESIGN Conference, 2020, 1, 2521-2530.	0.8	0
179	Preface to the Special Issue on Human Factors and Advanced Vehicle Automation: Of Benefits, Barriers, and Bridges to Safe and Effective Implementation. Human Factors, 2020, 62, 189-193.	3.5	3
180	Towards Mixed-Initiative Humanâ€“Robot Interaction: Assessment of Discriminative Physiological and Behavioral Features for Performance Prediction. Sensors, 2020, 20, 296.	3.8	17
181	Trust is essential: positive effects of information systems on usersâ€™ memory require trust in the system. Ergonomics, 2020, 63, 909-926.	2.1	7
182	Automation reliability, humanâ€“machine system performance, and operator compliance: A study with airport security screeners supported by automated explosives detection systems for cabin baggage screening. Applied Ergonomics, 2020, 86, 103094.	3.1	21
183	Designing flight deck applications: combining insight from end-users and ergonomists. Cognition, Technology and Work, 2021, 23, 353-365.	3.0	4
184	Evolution and revolution: Personality research for the coming world of robots, artificial intelligence, and autonomous systems. Personality and Individual Differences, 2021, 169, 109969.	2.9	56
185	Months of monotony â€“ moments of mayhem: Planning for the human role in a transitioning world of work. Theoretical Issues in Ergonomics Science, 2021, 22, 63-82.	1.8	7
186	Industry 4.0: defining the research agenda. Benchmarking, 2021, 28, 1858-1882.	4.6	42

#	ARTICLE	IF	CITATIONS
187	Motivational assistance system design for industrial production: from motivation theories to design strategies. <i>Cognition, Technology and Work</i> , 2021, 23, 507-535.	3.0	5
188	Artificial Intelligence (AI): Multidisciplinary perspectives on emerging challenges, opportunities, and agenda for research, practice and policy. <i>International Journal of Information Management</i> , 2021, 57, 101994.	17.5	939
190	Systemic Oversimplification Limits the Potential for Human-AI Partnership. <i>IEEE Access</i> , 2021, 9, 70242-70260.	4.2	2
191	Fuzzy Realizations of Adaptive Autonomy in Smart Grid. <i>Power Systems</i> , 2021, , 105-151.	0.5	0
192	The Role of Social Robotics to Combat COVID-19 Pandemic. <i>Studies in Systems, Decision and Control</i> , 2021, , 205-217.	1.0	1
193	A Survey on Hybrid Human-Artificial Intelligence for Autonomous Driving. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 6011-6026.	8.0	18
194	Is My Siri the Same as Your Siri? An Exploration of Users'™ Mental Model of Virtual Personal Assistants, Implications for Trust. <i>IEEE Transactions on Human-Machine Systems</i> , 2022, 52, 512-521.	3.5	13
196	A fallback mechanism or a commander? A discussion about the role and skill needs of future drivers within partially automated vehicles. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021, 9, 100337.	2.7	3
197	Replacement of Human Labour With Integration of Machines Into a Self-Governing System. <i>International Journal of System Dynamics Applications</i> , 2021, 10, 73-87.	0.3	0
198	Keeping the driver in the loop in conditionally automated driving: A perception-action theory approach. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 79, 49-62.	3.7	10
199	Havacıların Nergisroergonomisinde Optik Beyin G4r4nt4leme Uygulamaları. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
200	Data in Context: How Digital Transformation Can Support Human Reasoning in Cyber-Physical Production Systems. <i>Future Internet</i> , 2021, 13, 156.	3.8	5
201	<scp>Hidden Markov</scp> model based approach for diagnosing cause of alarm signals. <i>AICHE Journal</i> , 2021, 67, e17297.	3.6	7
202	Moving and improving in safety-critical systems: Impacts of head-mounted displays on operator mobility, performance, and situation awareness. <i>International Journal of Human Computer Studies</i> , 2021, 150, 102606.	5.6	8
203	DESIGN FOR RESILIENT HUMAN-SYSTEM INTERACTION IN AUTONOMY: THE CASE OF A SHORE CONTROL CENTRE FOR UNMANNED SHIPS. <i>Proceedings of the Design Society</i> , 2021, 1, 1023-1032.	0.8	8
204	Evaluation of eye tracking for a decision support application. <i>JAMIA Open</i> , 2021, 4, ooab059.	2.0	2
206	Adaptable (Not Adaptive) Automation: Forefront of Human's Automation Teaming. <i>Human Factors</i> , 2022, 64, 269-277.	3.5	21
207	Towards Evolutionary Emergence. , 0, , .		1

#	ARTICLE	IF	CITATIONS
208	Keeping the driver in the loop through semi-automated or manual lane changes in conditionally automated driving. Accident Analysis and Prevention, 2021, 162, 106397.	5.7	11
209	AF 447 as a Paradigmatic Accident. , 2021, , 1-27.		0
210	Towards a Semantic Knowledge Base for Competency-Based Training of Airline Pilots. Procedia Computer Science, 2021, 192, 1208-1217.	2.0	2
211	Towards Tramway Safety by Managing Advanced Driver Assistance Systems depending on Grades of Automation. IFAC-PapersOnLine, 2021, 54, 227-232.	0.9	4
212	Assessing the Complex Interaction and Variations in Human Performance Using Nonmetrical Scaling Methods. , 2015, , 579-598.		3
213	Workload Is Multidimensional, Not Unitary: What Now?. Lecture Notes in Computer Science, 2015, , 44-55.	1.3	16
216	Bibliometric Analysis of Human Factors Research: Intellectual Structure and Evolution. Advances in Intelligent Systems and Computing, 2018, , 31-42.	0.6	1
217	Measuring the Effectiveness of Human Autonomy Teaming. Advances in Intelligent Systems and Computing, 2018, , 23-33.	0.6	13
218	The Impact of Automation Assisted Aircraft Separation on Situation Awareness. Lecture Notes in Computer Science, 2009, , 738-747.	1.3	11
219	Conflict Resolution Automation and Pilot Situation Awareness. Lecture Notes in Computer Science, 2011, , 473-482.	1.3	1
220	Command and Control of Teams of Autonomous Systems. Lecture Notes in Computer Science, 2012, , 81-93.	1.3	3
221	Work design in future industrial production: Transforming towards cyber-physical systems. Computers and Industrial Engineering, 2020, 139, 105679.	6.3	66
222	Trust in Management Information Systems (MIS). Zeitschrift Fur Arbeits- Und Organisationspsychologie, 2020, 64, 6-16.	1.5	18
223	Optimizing the balance between task automation and human manual control in simulated submarine track management.. Journal of Experimental Psychology: Applied, 2017, 23, 240-262.	1.2	21
224	Discovering the Sweet Spot of Human-Computer Configurations. Proceedings of the ACM on Human-Computer Interaction, 2019, 3, 1-30.	3.3	17
225	Designing for Adaptation in Workersâ€™ Individual Behaviors and Collective Structures With Cognitive Work Analysis: Case Study of the Diagram of Work Organization Possibilities. Human Factors, 2021, 63, 274-295.	3.5	9
226	Chapter 3U.S. Aviation Regulatory System. , 2016, , 47-68.		1
227	Level of automation analysis in manufacturing systems. Advances in Human Factors and Ergonomics Series, 2010, , 233-242.	0.2	8

#	ARTICLE	IF	CITATIONS
229	A Framework for Implementation of Adaptive Autonomy for Intelligent Electronic Devices. Journal of Applied Sciences, 2008, 8, 3721-3726.	0.3	12
230	Active Vehicle Motion as Feedback during Different Levels of Automation. , 2021, , .		1
231	In Praise of Abundance: Why Individuals Matter in Design Science. IFIP Advances in Information and Communication Technology, 2013, , 566-578.	0.7	0
234	How Automation Effect Mental Workload of Novice Operators in Space Rendezvous and Docking. Lecture Notes in Computer Science, 2015, , 317-326.	1.3	1
235	Ensuring the Safety and Accessibility of Transportation for an Aging Population. Lecture Notes in Computer Science, 2016, , 386-394.	1.3	0
237	A Naturalistic Neurophysiological Assessment of Photographer Cognitive State in the Vicinity of Mount Everest. Advances in Intelligent Systems and Computing, 2017, , 17-24.	0.6	0
238	Transformation of Work Systems - Towards Remotely Supervised Controlled Work. Advances in Intelligent Systems and Computing, 2019, , 583-594.	0.6	0
239	AF 447 as a Paradigmatic Accident. Advances in Mechatronics and Mechanical Engineering, 2019, , 166-192.	1.0	1
240	The Changing Face of Airmanship and Safety Culture Operating Unmanned Aircraft Systems. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 243-265.	0.4	2
241	The Dynamics of Trust and Verbal Anthropomorphism in Human-Autonomy Teaming. , 2021, , .		7
242	A Quest of Self-Explainability: When Causal Diagrams meet Autonomous Urban Traffic Manoeuvres. , 2021, , .		3
243	Assessing the Development of Operator Trust in Automation: A Longitudinal Study of an Autonomous Campus Shuttle. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1421-1425.	0.3	0
244	Exploring The Effect of Visual Information Degradation on Human Perception and Performance In A Human-Telerobot System. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1302-1307.	0.3	0
245	From Human Automation Interactions to Social Human Autonomy Machine Teaming in Maritime Transportation. IFIP Advances in Information and Communication Technology, 2020, , 45-56.	0.7	1
247	Toward Adaptive Trust Calibration for Level 2 Driving Automation. , 2020, , .		23
249	Predicting individual differences to cyber attacks: Knowledge, arousal, emotional and trust responses. Cyberpsychology, 2021, 15, .	1.5	6
250	Understanding the impact of control levels over emotion-aware chatbots. Computers in Human Behavior, 2022, 129, 107122.	8.5	21
251	Human Trust-Based Feedback Control: Dynamically Varying Automation Transparency to Optimize Human-Machine Interactions. IEEE Control Systems, 2020, 40, 98-116.	0.8	32

#	ARTICLE	IF	CITATIONS
252	A Multi-Objective Optimization Approach for Multi-Vehicle Path Planning Problems Considering Human-Robot Interactions. ASME Journal of Autonomous Vehicles and Systems, 2021, 1, .	0.7	2
253	Development of Rasmussen's risk management framework for analysing multi-level sociotechnical influences in the design of envisioned work systems. Ergonomics, 2022, 65, 485-518.	2.1	6
254	Resilience and Digital Transformation Challenges in Oil and Gas Integrated Operations. Contributions To Management Science, 2022, , 19-38.	0.5	0
255	Automatisation de lâ€™information et fiabilit��: effets sur le comportement humain. Bulletin De Psychologie, 2022, Num��ro 575, 67-71.	0.1	0
256	Factors Influencing Attenuating Skill Decay in High-Risk Industries: A Scoping Review. Safety, 2022, 8, 22.	1.7	2
258	Human Factors Engineering and Human-Computer Interaction: Supporting User Performance and Experience. , 2022, , 119-132.		6
259	An Extension of the Theory of Technology Dominance: Understanding the Underlying Nature, Causes and Effects. SSRN Electronic Journal, 0, , .	0.4	4
261	A Testbed for Investigating Task Allocation Strategies between Air Traffic Controllers and Automated Agents. Proceedings of the AAAI Conference on Artificial Intelligence, 2010, 24, 1839-1845.	4.9	0
262	The Effect of Similarity between Human and Machine Action Choices on Adaptive Automation Performance. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	4.9	0
263	Learning to Optimize. Studies in Computational Intelligence, 2022, , 1-19.	0.9	1
264	Toward Adaptive Driving Styles for Automated Driving with Users' Trust and Preferences. , 2022, , .		4
265	Practical, Ethical, and Overlooked: Teleoperated Socially Assistive Robots in the Quest for Autonomy. , 2022, , .		10
266	How to Display Vehicle Information to Users of Automated Vehicles When Conducting Non-Driving-Related Activities. Proceedings of the ACM on Human-Computer Interaction, 2022, 6, 1-22.	3.3	2
268	Information processing in aviation. , 2023, , 89-139.		1
269	Human factors of flight training and simulation. , 2023, , 217-255.		2
270	Integration of AI for Clinical Decision Support. , 2022, , 285-308.		2
271	Impact of Automation at Different Cognitive Stages on High-Speed Train Driving Performance. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24599-24608.	8.0	2
272	What factors may influence decision-making in the operation of Maritime autonomous surface ships? A systematic review. Theoretical Issues in Ergonomics Science, 2024, 25, 98-142.	1.8	3

#	ARTICLE	IF	CITATION
273	KÄ¼nstliche Intelligenz in eignungsdiagnostischen Interviews. , 2023, , 311-334.		0
274	Artificial Intelligence and Machine Learning for Job Automation. Journal of Database Management, 2023, 34, 1-12.	1.5	2
275	Information field in a manufacturing System: Concepts, measurements and applications. Advanced Engineering Informatics, 2023, 56, 101946.	8.0	5
276	Humans and risk. , 2023, , 41-70.		0
277	An extension of the theory of technology dominance: Capturing the underlying causal complexity. International Journal of Accounting Information Systems, 2023, 50, 100626.	5.0	5
278	Recognition Assistance Interface for Human-Automation Cooperation in Pedestrian Risk Prediction. SAE International Journal of Connected and Automated Vehicles, 0, 6, .	0.4	0
279	Explainability, Public Reason, and Medical Artificial Intelligence. Ethical Theory and Moral Practice, 0, , .	0.6	0
280	Trust in automated parking systems: A mixed methods evaluation. Transportation Research Part F: Traffic Psychology and Behaviour, 2023, 96, 185-199.	3.7	2
281	Uncertainty Aware Task Allocation for Human-Automation Cooperative Recognition in Autonomous Driving Systems. , 2023, , .		0
282	Intervention Request Planning with Operator Capability Model for Human-Automation Cooperative Recognition. , 2023, , .		0
283	Are humans still necessary?. Ergonomics, 2023, 66, 1711-1718.	2.1	1
284	Physiological measures of operatorsâ€™ mental state in supervisory process control tasks: a scoping review. Ergonomics, 0, , 1-30.	2.1	1
285	Design a dynamic automation system to adaptively allocate functions between humans and machines. IFAC-PapersOnLine, 2023, 56, 3528-3533.	0.9	0
286	Adaptive automation: Status of research and future challenges. Robotics and Computer-Integrated Manufacturing, 2024, 88, 102724.	9.9	0
287	Student Perceptions of ChatGPT Use in a College Essay Assignment: Implications for Learning, Grading, and Trust in Artificial Intelligence. IEEE Transactions on Learning Technologies, 2024, 17, 1069-1081.	3.2	0
288	Adaptable automation for a more human-centered work design? Effects on human perception and behavior. International Journal of Human Computer Studies, 2024, 186, 103246.	5.6	0