

# CITATION REPORT

List of articles citing

## Cognitive Systems Engineering: New wine in new bottles

DOI: 10.1016/s0020-7373(83)80034-0  
International Journal of Man-Machine Studies, 1983,  
18, 583-600.

**Source:** <https://exaly.com/paper-pdf/16124675/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
386	A taxonomy of representations in information retrieval system design. <b>1984</b> , 8, 113-121		8
385	Visual momentum: a concept to improve the cognitive coupling of person and computer. <i>International Journal of Man-Machine Studies</i> , <b>1984</b> , 21, 229-244		256
384	Experimental design of man-machine studies. <b>1984</b> , 4, 149-166		
383	Expert Computer Aided Decision in Supervisory Control. <b>1984</b> , 17, 2621-2626		2
382	Getting Lost: A Case Study in Interface Design. <b>1985</b> , 29, 927-929		34
381	Toward Joint Person-Machine Cognitive Systems: A Prototype Expert System for Electronics Troubleshooting. <b>1985</b> , 29, 358-361		2
380	Knowledge Based Development of Graphic Display Systems. <b>1985</b> , 29, 325-329		5
379	On the interaction between system and user characteristics. <b>1985</b> , 4, 289-308		34
378	User navigation in complex database systems. <b>1986</b> , 5, 249-257		25
377	A Framework for Task Cooperation within Systems Containing Intelligent Components. <b>1986</b> , 16, 788-793		5
376	COGNITIVE MODELS IN INFORMATION RETRIEVAL [AN EVALUATIVE REVIEW. <b>1986</b> , 42, 272-304		59
375	Human interaction with an Intelligent machine. <i>International Journal of Man-Machine Studies</i> , <b>1987</b> , 27, 479-525		92
374	The use of alternative knowledge-acquisition procedures in the development of a knowledge-based media planning system. <i>International Journal of Man-Machine Studies</i> , <b>1987</b> , 26, 399-411		13
373	Mapping cognitive demands in complex problem-solving worlds. <i>International Journal of Man-Machine Studies</i> , <b>1987</b> , 26, 257-275		94
372	Use of Model-Based Qualitative Icons and Adaptive Windows in Workstations for Supervisory Control Systems. <b>1987</b> , 17, 573-593		50
371	Multimodal User Input to Supervisory Control Systems: Voice-Augmented Keyboard. <b>1987</b> , 17, 594-607		18
370	Cognitive Engineering: Human Problem Solving with Tools. <i>Human Factors</i> , <b>1988</b> , 30, 415-430	3.8	118

369	Principles for Dialogue Design in Man-Machine Systems. <b>1988</b> , 21, 145-149		
368	AUTOPES, The Development of a Knowledge Based System for Process Control. <b>1988</b> , 21, 59-65		
367	Cognitive Systems Engineering. <b>1988</b> , 3-43		101
366	The Effect of Human-Computer Interchange Protocol on Decision Performance. <b>1989</b> , 6, 5-20		11
365	Current methods in cognitive ergonomics. <b>1989</b> , 32, 1271-538		33
364	The Human Planning and Scheduling Role in Advanced Manufacturing Systems: An Emerging Human Factors Domain. <i>Human Factors</i> , <b>1989</b> , 31, 635-666	3.8	106
363	Work design and work measurement: implications for advanced production systems. <b>1989</b> , 4, 185-193		2
362	The Ecology of Human-Machine Systems II: Mediating 'Direct Perception' in Complex Work Domains. <b>1990</b> , 2, 207-249		327
361	New Information Technology and Organisational Decision Making. <b>1990</b> , 11, 186-210		2
360	.		
359	.		1
358	Process tracing of decision making: an approach for analysis of human-machine interactions in dynamic environments. <i>International Journal of Man-Machine Studies</i> , <b>1991</b> , 35, 843-858		24
357	Inside the search process: Information seeking from the user's perspective. <b>1991</b> , 42, 361-371		1015
356	.		2
355	Cognitive simulation as a tool for cognitive task analysis. <b>1992</b> , 35, 1163-98		60
354	. <b>1992</b> ,		3
353	. <b>1992</b> ,		
352	Educational Software It isn't Always. <b>1992</b> , 20, 169-178		2

351	The reliability of man-machine interaction. <b>1992</b> , 38, 81-89		7
350	Design and implementation of an experimental cataloging advisor-mapper. <b>1992</b> , 28, 241-257		4
349	Cognitive modelling of fighter aircraft process control: a step towards an intelligent on-board assistance system. <i>International Journal of Man-Machine Studies</i> , <b>1992</b> , 36, 639-671		82
348	A brief history of applied cognitive psychology. <b>1992</b> , 6, 1-48		27
347	Representing cognitive activities and errors in HRA trees. <b>1993</b> , 39, 25-34		13
346	.		1
345	An Analysis of the Relations Between Basic and Applied Psychology. <b>1993</b> , 5, 315-352		41
344	Emergent Features and Graphical Elements: Designing More Effective Configural Displays. <i>Human Factors</i> , <b>1993</b> , 35, 71-97	3.8	75
343	The contribution of knowledge acquisition techniques to the assessment of training needs. <i>Safety Science</i> , <b>1994</b> , 18, 79-93	5.8	1
342	. <b>1995</b> , 25, 231-242		11
341	. <b>1995</b> , 25, 1025-1038		22
340	Cognitive and conceptual errors. <b>1995</b> ,		1
339	Cognitive functions and automation: principles of human-centred automation. <i>Advances in Human Factors/Ergonomics</i> , <b>1995</b> , 20, 971-976		2
338	Future Directions in Cognitive Engineering and Naturalistic Decision Making. <b>1995</b> , 39, 450-453		0
337	A decision-support approach for the design of human-machine systems and processes.		1
336	The cognitive systems engineering of automated medical evacuation scheduling and its implications.		
335	Human interaction with technology: the accidental user. <b>1996</b> , 91, 345-58		19
334	Reliability analysis and operator modelling. <b>1996</b> , 52, 327-337		40

333	Understanding and modelling man-machine interaction. <b>1996</b> , 165, 351-358		5
332	Guidelines for computerized presentation of emergency operating procedures. <b>1996</b> , 167, 113-127		37
331	Teaching Cognitive Systems Engineering. <b>1996</b> , 40, 259-263		1
330	Maps for Planning, Situation Assessment and Mission Control. <b>1996</b> , 49, 187-196		
329	Cognitive engineering principles for enhancing human-computer performance. <i>International Journal of Human-Computer Interaction</i> , <b>1996</b> , 8, 189-211	3.6	83
328	Cognitive ergonomics: it's all in the mind. <b>1997</b> , 40, 1170-1182		72
327	A History of Cognitive Engineering Research at Risø (1962-1979). <b>1997</b> , 41, 210-214		3
326	Animation in User Interfaces Designed for Decision Support Systems: The Effects of Image Abstraction, Transition, and Interactivity on Decision Quality*. <b>1997</b> , 28, 793-823		20
325	Is human failure a stochastic process?. <b>1997</b> , 55, 209-215		14
324	An Intelligent Man-Machine Dialogue System Based on AI Planning. <b>1998</b> , 8, 235-245		
323	Formulating the cognitive design problem of air traffic management. <b>1998</b> , 49, 743-766		12
322	A Framework for Integrating Cognitive Task Analysis into the System Development Process. <b>1998</b> , 42, 395-399		5
321	Joint Tactical Cognitive Systems: Modeling, Analysis, and Performance Assessment. <b>1998</b> , 42, 315-319		0
320	Cognitive Evaluation of Human-Human and Human-Machine Cooperation Modes in Air Traffic Control. <b>1998</b> , 8, 1-32		66
319	Target Paper: Conception of the cognitive engineering design problem. <b>1998</b> , 41, 126-139		60
318	2.1.4 A Case for the Consideration of System Related Cognitive Functions. <b>1998</b> , 8, 89-97		
317	Commentary Comments on 'Conception of the cognitive engineering design problem' by John Dowell and John Long. <b>1998</b> , 41, 160-162		14
316	Commentary Designs are hypotheses about how artifacts shape cognition and collaboration. <b>1998</b> , 41, 168-173		95

315	References. <b>1998</b> , 262-275		3
314	The Electronic Copilot, A Human Factors Approach to Pilot Assistance. <b>1999</b> ,		
313	Evaluating Tactical Real-time Interaction in Multi-agent, Dynamic, Hazardous, High-stake Operations. <b>1999</b> , 43, 199-203		2
312	Human-machine function allocation: a functional modelling approach. <b>1999</b> , 64, 291-300		29
311	Editorial: 30th Anniversary Issue. <b>1999</b> , 51, 119-124		
310	Editorial - Time and space in process control. <b>1999</b> , 42, 1399-1403		2
309	.		
308	Studying cognitive systems in context: preface to the special section. <i>Human Factors</i> , <b>2000</b> , 42, 1-7	3.8	56
307	Principles for modelling function allocation. <b>2000</b> , 52, 253-265		54
306	Function allocation: a perspective from studies of work practice. <b>2000</b> , 52, 335-355		27
305	A case for the consideration of system related cognitive functions throughout design and development. <b>2000</b> , 3, 113-127		5
304	Scania Cabs -Driver Centered Modularization with Focus on Ergonomics. <b>2000</b> ,		
303	Dependence of human adaptation and risk compensation on modification in level of automation for system safety.		
302	.		
301	From human-machine interaction to human-machine cooperation. <b>2000</b> , 43, 833-43		214
300	Enhancing the Applicability of Approaches to the Design of Cognitive Working Systems. <b>2000</b> , 44, 572-575		
299	Analysis of Tactical Missions: Integrating Systems Theory, Cognitive Systems Engineering and Psychophysiology. <b>2000</b> , 44, 274-277		
298	Modeling, measuring, and mediating teamwork: the use of fuzzy cognitive maps and team member schema similarity to enhance BMC/sup 3/l decision making.		7

297	. <b>2000</b> , 30, 273-285		42
296	Design problems for cognitive ergonomics research: what we can learn from atm-like micro-worlds. <i>Travail Humain</i> , <b>2001</b> , 64, 197	1.2	3
295	1. Cognitive engineering research at Risø from 1962-1979. 1-57		5
294	Towards a cognitive approach to human-machine cooperation in dynamic situations. <b>2001</b> , 54, 509-540		208
293	Intelligent interaction design: the role of human-computer interaction research in the design of intelligent systems. <b>2001</b> , 18, 3-18		3
292	Digital avionics mission systems: diversity versus fitness for purpose requirements.		2
291	Time and control in joint human-machine systems. <b>2001</b> ,		2
290	Providing practitioners with techniques for cognitive work analysis. <b>2001</b> , 2, 268-277		7
289	Time and time again. <b>2002</b> , 3, 143-158		61
288	Respective demands of task and function allocation on human-machine co-operation design: A psychological approach. <b>2002</b> , 14, 283-295		23
287	Information Order and Sign Design: A Schema-Based Approach. <b>2002</b> , 34, 479-492		10
286	An Empirical Comparison of Methods for Eliciting and Modeling Expert Knowledge. <b>2002</b> , 46, 482-486		16
285	Advanced Manufacturing Technology. 55-69		
284	An integrated framework for information-centred human-machine systems analysis. <b>2002</b> , 1, 125		
283	Effect of Auditory Waiting Cues on Time Estimation in Speech Recognition Telephony Applications. <i>International Journal of Human-Computer Interaction</i> , <b>2002</b> , 14, 423-446	3.6	13
282	. <b>2002</b> , 17, 73-75		15
281	. <b>2002</b> ,		19
280	MABA-MABA or Abracadabra? Progress on Human-Automation Co-ordination. <b>2002</b> , 4, 240-244		170

279	Real-world effectiveness of Ergonomic methods. <b>2003</b> , 34, 465-77	15
278	To feel or not to feel: The role of affect in human-computer interaction. <b>2003</b> , 59, 1-32	227
277	. <b>2003</b> , 18, 94-97	8
276	The Cognitive Engineering of Everyday Activities. <b>2003</b> , 47, 429-433	
275	The Role of Automation in Joint Cognitive Systems. <b>2003</b> , 36, 9-11	3
274	The cognitive task analysis methods for job and task design: review and reappraisal. <b>2004</b> , 23, 273-299	52
273	Accident models for modern road traffic: changing times creates new demands.	
272	L'analyse psychologique du travail. <b>2004</b> , 54, 101-108	22
271	Human factors and folk models. <b>2004</b> , 6, 79-86	106
270	How video informs cognitive systems engineering: making experience count. <b>2004</b> , 6, 186	9
269	. <b>2004</b> , 92, 616-631	5
268	Decision support interfaces.	0
267	Planning, Control, and Adaptation:. <b>2005</b> , 23, 118-131	21
266	Toward the analysis of the interaction in the joint cognitive system. <b>2005</b> , 85-104	2
265	Enabling collaborative geoinformation access and decision-making through a natural, multimodal interface. <b>2005</b> , 19, 293-317	58
264	Automated Schematic Mapping for MobileGIS: Technical developments and Human Factors requirements.	
263	Development of a human information processing model for cognitive task analysis and design. <b>2006</b> , 7, 345-370	3
262	Supporting Knowledge Management In Emergency Crisis Management Domains: Envisioned Designs for Collaborative Work. <b>2006</b> , 255-280	3



261	. <b>2006,</b>	15
260	Cognitive conflicts in dynamic systems. <b>2006,</b> 107-124	1
259	Eliciting and Representing the Knowledge of Experts. 203-222	56
258	Trust and the use of adaptive cruise control: a study of a cut-in situation. <b>2006,</b> 8, 146-155	43
257	A user-centred approach for designing driving support systems: the case of collision avoidance. <b>2006,</b> 8, 201-214	11
256	Trust, cognitive control, and control. <b>2006,</b>	1
255	Driver coordination in complex traffic environments. <b>2006,</b>	13
254	A cognitive systems engineering perspective on the design of mixed reality systems. <b>2006,</b>	11
253	A Role for Information Portals as Intelligent Decision Support Systems: Breast Cancer Knowledge Online Experience. <b>2006,</b> 359-383	8
252	Modeling industrial safety: A sociotechnical systems perspective. <b>2007,</b>	8
251	joint Cognitive Systems: Foundations of Cognitive Systems Engineering by Erik Hollnagel & David D. Woods 2005, 222 pages, \$99.95 Boca Raton, FL: CRC Press ISBN 0-8493-2821-7. <b>2007,</b> 15, 29-29	2
250	Coping with complexity. <b>2007,</b>	
249	Fun and usable. <b>2007,</b>	25
248	Cognitive Engineering and Decision Making: An Overview and Future Course. <b>2007,</b> 1, 1-21	28
247	Demonstration of Training and Process Support Capabilities for Bridging the Gap between Systems Engineering and Cognitive Engineering. <b>2007,</b> 51, 494-498	
246	Modeling Human Behavior with Integrated Cognitive Architectures: Comparison, Evaluation, and Validation Edited by Kevin A. Gluck & Richard A. Pew 2005, 440 pages, \$55.00 Mahwah, NJ: Lawrence Erlbaum Associates ISBN 0-8058-5048-1. <b>2007,</b> 15, 28-29	
245	Human-like conception of a remote control robotic system. <b>2007,</b> 40, 189-194	
244	Flight decks and free flight: where are the system boundaries?. <b>2007,</b> 38, 409-16	24

243	Pre-requisites for large scale coordination. <b>2007</b> , 9, 5-13		18
242	Workflow Integration Matrix: a framework to support the development of surgical information systems. <b>2008</b> , 29, 338-368		30
241	Book Review. <b>2008</b> , 51, 242-244		
240	Cognitive ergonomics: a multidisciplinary venture. <b>2008</b> , 51, 71-5		9
239	Articulating the differences between safety and resilience: the decision-making process of professional sea-fishing skippers. <i>Human Factors</i> , <b>2008</b> , 50, 1-16	3.8	78
238	Integrating Cognitive Systems Engineering Throughout the Systems Engineering Process. <b>2008</b> , 2, 249-273		18
237	The Forgotten History of Cognitive Task Analysis. <b>2008</b> , 52, 383-387		5
236	Uncovering the requirements of cognitive work. <i>Human Factors</i> , <b>2008</b> , 50, 475-80	3.8	39
235	Capturing the Context of Use to Inform System Design. <b>2008</b> , 2, 181-203		9
234	Design of joint systems: a theoretical challenge for cognitive systems engineering. <b>2009</b> , 11, 43-56		14
233	Human-automation teams and adaptable control for future air traffic management. <b>2009</b> , 39, 894-903		38
232	Cooperation between drivers and automation: implications for safety. <b>2009</b> , 10, 135-160		91
231	Using AR to support cross-organisational collaboration in dynamic tasks. <b>2009</b> ,		30
230	A co-located collaborative augmented reality application. <b>2009</b> ,		1
229	1.1.3 Systemic Safety and Accident Modelling of Complex Socio-technical Systems. <b>2009</b> , 19, 21-35		
228	Hollnagel's test: being in control of highly interdependent multi-layered networked systems. <b>2010</b> , 12, 95-101		52
227	Dynamic reliability and human factors for safety assessment of technological systems: a modern science rooted in the origin of mankind. <b>2010</b> , 12, 119-131		5
226	Those found responsible have been sacked—some observations on the usefulness of error. <b>2010</b> , 12, 87-93		13

225 References. **2010**, 273-317

224 References. **2010**, 365-375

223 Integrating Systems Theory, Cognitive Systems Engineering and Psychophysiology in Performance Analysis. **2010**, 54, 997-1001

222 Epistemological Self-Confidence in Human Factors Research. **2010**, 4, 27-38

21

221 Employing use-cases for piecewise evaluation of requirements and claims. **2010**,

2

220 Taxonomy proposal for the description of accidents and incidents in the electrical systems operation. **2010**,

1

219 Cross-organizational collaboration supported by Augmented Reality. **2011**, 17, 1380-92

10

218 Understanding Cognitive and Collaborative Work: Observations in an Electric Transmission Operations Control Center. **2011**, 55, 247-251

10

217 Using Applied Cognitive Work Analysis for a Superintendent to Examine Technology-Supported Learning Objectives in Field Supervision Education. **2011**,

2

216 Human Factors and Ergonomics. **2011**, 316-337

7

215 Situated cognitive engineering for crew support in space. **2011**, 15, 445-456

33

214 How a cockpit calculates its speeds and why errors while doing this are so hard to detect. **2011**, 13, 217-231

18

213 Interdisciplinary safety analysis of complex socio-technological systems based on the functional resonance accident model: An application to railway trafficsupervision. **2011**, 96, 237-249

87

212 The applicability of human-centred automation guidelines in the fighter aircraft domain. **2011**,

4

211 How to assess team performance in terms of control: a protocol based on cognitive systems engineering. **2012**, 14, 337-353

4

210 Coping with complexity: past, present and future. **2012**, 14, 199-205

52

209 Modelling motivations, tasks and human errors in a risk-based perspective. **2012**, 14, 229-241

6

208 Assuming control after system failure: type II diabetes self-management. **2012**, 14, 243-251

12

207	Anaesthesia monitor alarms: a theory-driven approach. <b>2012</b> , 55, 1487-501	12
206	Task Analysis: Why, What, and How. <b>2012</b> , 383-396	4
205	Cognition and Technology: Interdisciplinarity and the Impact of Cognitive Engineering Research on Organizational Productivity. <b>2012</b> ,	2
204	Extending the Technology Acceptance Model to assess automation. <b>2012</b> , 14, 39-49	203
203	The explanatory power of Schema Theory: theoretical foundations and future applications in Ergonomics. <b>2013</b> , 56, 1-15	50
202	Automation and adaptation: Nurses' problem-solving behavior following the implementation of bar coded medication administration technology. <b>2013</b> , 15, 283-296	55
201	User image mismatch in anaesthesia alarms: a cognitive systems analysis. <b>2013</b> , 56, 1525-34	3
200	Ship sense—striving for harmony in ship manoeuvring. <b>2013</b> , 12, 115-127	20
199	Cognitive engineering. <b>2013</b> , 4, 17-31	16
198	New models for new times. An anti-dualist move. <i>Safety Science</i> , <b>2013</b> , 59, 200-218	5.8 68
197	Future Directions for Sociotechnical Systems and Safety: Outcomes from the 2012 Liberty Mutual Hopkinton Conference. <b>2013</b> , 57, 1085-1087	2
196	A methodology for hard/soft information fusion in the condition monitoring of aircraft. <b>2013</b> ,	2
195	Cognitive Work Analysis. <b>2013</b> ,	6
194	Human-Machine Cooperation: A Functional Approach. <b>2014</b> , 273-284	3
193	. <b>2014</b> ,	4
192	Information Systems and Human Service Organizations: Managing and Designing for the Occasional User— <b>2014</b> , 38, 169-177	4
191	Foundations for Designing User-Centered Systems. <b>2014</b> ,	69
190	Innovative critical solutions in the dyeing of protein textile materials. <b>2014</b> , 46, 323-450	1

189	Bridging the Macro and the Micro by Considering the Meso: Reflections on the Fractal Nature of Resilience. <b>2014</b> , 19,	70
188	Interaction design patterns for coherent and re-usable shape specifications of human-robot collaboration. <b>2014</b> ,	7
187	Human factors/ergonomics as a systems discipline? "The human use of human beings" revisited. <b>2014</b> , 45, 40-4	42
186	Towards cooperative guidance and control of highly automated vehicles: H-Mode and Conduct-by-Wire. <b>2014</b> , 57, 343-60	123
185	Why person models are important for human factors science. <b>2014</b> , 15, 595-614	8
184	Crossing levels in systems ergonomics: a framework to support 'mesoergonomic' inquiry. <b>2014</b> , 45, 45-54	100
183	Support for ICU resilience using Cognitive Systems Engineering to build adaptive capacity. <b>2014</b> ,	2
182	Framework for Evaluating Cognitive Support in Mixed Model Assembly Systems. <b>2015</b> , 48, 924-929	30
181	Using System Architecture Considerations to Analyze Allocation of Functions. <b>2015</b> , 3, 1273-1280	
180	Preliminary Work Domain Analysis For Human Extravehicular Activity. <b>2015</b> , 59, 11-15	1
179	Defining the methodological challenges and opportunities for an effective science of sociotechnical systems and safety. <b>2015</b> , 58, 565-99	94
178	Editorial: emerging issues in sociotechnical systems thinking and workplace safety. <b>2015</b> , 58, 543-7	15
177	Support for Saliency: IT to Assist Burn ICU Clinician Decision Making and Communication. <b>2015</b> ,	1
176	Petri-Net-Based Modeling of Human Operator's Planning for the Evaluation of Task Performance Using the Example of Air Traffic Control. <b>2015</b> , 45, 676-685	2
175	Accident Causation, Prevention and Safety Management: A Review of the State-of-the-art. <b>2015</b> , 3, 1838-1845	28
174	Beyond Ecological Interface Design: Lessons From Concerns and Misconceptions. <b>2015</b> , 45, 164-175	35
173	Situation Awareness: Context Matters! A Commentary on Endsley. <b>2015</b> , 9, 59-72	20
172	An Enterprise Systems Model to Deliver Innovation in the Healthcare Industry Based on Cognitive and Social-Tech Engineering. <b>2015</b> , 195, 1705-1714	1

171	Applying systems thinking approach to accident analysis in China: Case study of 7.23 Yong-Tai-Wen High-Speed train accident. <i>Safety Science</i> , <b>2015</b> , 76, 190-201	5.8	44
170	Modelling and simulation of complex sociotechnical systems: envisioning and analysing work environments. <b>2015</b> , 58, 600-14		37
169	Human Factors and Ergonomics. <b>2015</b> , 297-305		9
168	The process of processing: exploring the validity of Neisser's perceptual cycle model with accounts from critical decision-making in the cockpit. <b>2015</b> , 58, 909-23		20
167	Sociotechnical attributes of safe and unsafe work systems. <b>2015</b> , 58, 635-49		44
166	Role of Design Teams in the Integration of Stakeholder Considerations. <b>2015</b> , 52, 1136-1145		8
165	A Cognitive Systems Engineering Perspective on Fighter Cockpit Design Evaluation. <b>2015</b> , 628-633		1
164	Human-Machine task allocation: Impact on patient safety in hospital settings. <b>2015</b> , 60, 97-110		
163	System Characteristics and Contextual Constraints for Future Fighter Decision Support. <b>2016</b> , 7, 1-17		4
162	Cooperative Guidance, Control, and Automation. <b>2016</b> , 1471-1481		4
161	Mixed-fleet flying in commercial aviation: a joint cognitive systems perspective. <b>2016</b> , 18, 449-463		10
160	Sensemaking following surprise in the cockpit re-framing problem. <b>2016</b> , 18, 623-642		17
159	Supporting Patient Healing through ICUsmartCARE: Technologies that Enable Family Collaboration, Presence, and Information Flow. <b>2016</b> ,		1
158	Safety-Critical Personality Aspects in Human-Machine Teams of Aviation. <b>2016</b> , 15, 283-295		0
157	Joint Decision Making and Cooperative Driver-Vehicle Interaction during Critical Driving Situations. <b>2016</b> , 15, 265-281		5
156	Digitalisation of Meetings [From White-boards to Smart-boards. <b>2016</b> , 41, 1125-1130		11
155	Knowledge-Based Tweet Classification for Disease Sentiment Monitoring. <i>Studies in Computational Intelligence</i> , <b>2016</b> , 425-454	0.8	10
154	Revealing ICU Cognitive Work Through Naturalistic Decision-Making Methods. <b>2016</b> , 10, 350-368		14

153	Shared control is the sharp end of cooperation: Towards a common framework of joint action, shared control and human machine cooperation. <b>2016</b> , 49, 72-77		47
152	Uncertainty management in enroute air traffic control: a field study exploring controller strategies and requirements for automation. <b>2016</b> , 18, 541-565		12
151	Effect of cross-functional integration between operations and marketing on negative critical incidents. <b>2017</b> , 28, 1357-1377		3
150	Electronic information systems in human service organizations: Using theory to inform future design. <b>2017</b> , 60, 100-110		8
149	The chatty co-driver: A linguistics approach applying lessons learnt from aviation incidents. <i>Safety Science</i> , <b>2017</b> , 99, 94-101	5.8	13
148	Defining the functional resonance analysis space: Combining Abstraction Hierarchy and FRAM. <b>2017</b> , 165, 34-46		50
147	Recurring themes in the legacy of Jens Rasmussen. <b>2017</b> , 59, 471-482		16
146	The Functional Resonance Analysis Method for a systemic risk based environmental auditing in a sinter plant: A semi-quantitative approach. <b>2017</b> , 63, 72-86		35
145	Decision Support System Requirements Definition for Human Extravehicular Activity Based on Cognitive Work Analysis. <b>2017</b> , 11, 136-165		16
144	What Can Be Predicted from Six Seconds of Driver Glances?. <b>2017</b> ,		17
143	Human-machine interaction theories and lane departure warnings. <b>2017</b> , 18, 519-547		21
142	Traditions of research into interruptions in healthcare: A conceptual review. <b>2017</b> , 66, 23-36		21
141	Specifying and testing the design rationale of social robots for behavior change in children. <b>2017</b> , 43, 250-265		9
140	Shared and cooperative control of ground and air vehicles: Introduction and general overview. <b>2017</b> ,		12
139	Models of Automation Surprise: Results of a Field Survey in Aviation. <b>2017</b> , 3, 20		5
138	From Tools Towards Cooperative Assistants. <b>2017</b> ,		12
137	Improving worker productivity in advanced manufacturing environments. <b>2017</b> ,		3
136	Adaptive Skill as the Conditio Sine Qua Non of Expertise. <b>2018</b> , 7, 35-50		37

135	User and design requirements and production of evidence: using incident analysis data to (1) inform user scenarios and bow ties, and (2) generate user and design requirements. <b>2018</b> , 20, 23-47		1
134	Medication management strategies used by older adults with heart failure: A systems-based analysis. <b>2018</b> , 17, 418-428		14
133	Connected Disciplines of Cognitive Infocommunications, Human-Computer Interaction, and User Experience : Real synergies, real differences, and old wine in new bottles. <b>2018</b> ,		
132	Technological Seduction and Self-Radicalization. <b>2018</b> , 4, 298-322		24
131	Telling autonomous systems what to do. <b>2018</b> ,		6
130	A Cognitive Assistance Framework for Supporting Human Workers in Industrial Tasks. <b>2018</b> , 20, 48-56		12
129	Influence of human-machine interactions and task demand on automation selection and use. <b>2018</b> , 61, 1601-1612		11
128	A cognitive systems engineering design approach to improve the usability of electronic order forms for medical consultation. <b>2018</b> , 85, 138-148		11
127	Process industries versus discrete processing: how system characteristics affect operator tasks. <b>2019</b> , 21, 337-356		13
126	A review of methodologies for integrating human factors and ergonomics in engineering design. <b>2019</b> , 57, 4961-4976		22
125	Are highly automated vehicles as useful as dishwashers?. <b>2019</b> , 6, 1575655		6
124	Utility assessment in automated driving for cooperative human-machine systems. <b>2019</b> , 21, 607-619		7
123	A Mindful Governance model for ultra-safe organisations. <i>Safety Science</i> , <b>2019</b> , 120, 753-763	5.8	7
122	Joining the blunt and the pointy end of the spear: towards a common framework of joint action, human-machine cooperation, cooperative guidance and control, shared, traded and supervisory control. <b>2019</b> , 21, 555-568		34
121	A socio-technical analysis of functional properties in a joint cognitive system: a case study in an aircraft cockpit. <b>2019</b> , 62, 1598-1616		21
120	Principles of transparency for autonomous vehicles: first results of an experiment with an augmented reality human-machine interface. <b>2019</b> , 21, 643-656		5
119	Self-determined nudging: a system concept for human-machine interaction. <b>2019</b> , 21, 621-630		2
118	Cognitive Reliability Error Analysis Method (CREAM) at the International Thermonuclear Experimental Reactor (ITER). <b>2019</b> , 35, 1621-1633		1



117	Assessing operational impacts of automation using functional resonance analysis method. <b>2019</b> , 21, 535-552	18
116	Methodological aspects of constructing the concept of complex technological and intelligent systems. <b>2019</b> ,	0
115	Human expertise in the interpretation of remote sensing data: A cognitive task analysis of forest disturbance attribution. <b>2019</b> , 74, 37-44	6
114	Design intervention at major technological installations. <b>2019</b> , 17, 402-413	0
113	A state of science on highly automated driving. <b>2019</b> , 20, 366-396	29
112	Vive la diversit�High Reliability Organisation (HRO) and Resilience Engineering (RE). <i>Safety Science</i> , <b>2019</b> , 117, 469-478	5.8 20
111	Conflicts in Human-Machine Systems as an Intersection of Bio- and Technosphere: Cooperation and Interaction Patterns for Human and Machine Interference and Conflict Resolution. <b>2020</b> ,	3
110	An Dwning Up �f White-IST Trends in LIS to Further Real Transformations. <b>2020</b> , 90, 189-239	24
109	Muddling through troubled water: resilient performance of incident management teams during Hurricane Harvey. <b>2020</b> , 63, 643-659	4
108	Months of monotony � moments of mayhem: Planning for the human role in a transitioning world of work. <b>2021</b> , 22, 63-82	2
107	A framework for describing interaction between human operators and autonomous, automated, and manual control systems. <b>2021</b> , 23, 381-401	6
106	Naturalistic approaches applied to AR technology: an evaluation. <b>2021</b> , 26, 683-697	2
105	Smart nudging: How cognitive technologies enable choice architectures for value co-creation. <b>2021</b> , 129, 949-960	14
104	Human factors and nuclear safety since 1970 �A critical review of the past, present and future. <i>Safety Science</i> , <b>2021</b> , 133, 105021	5.8 6
103	The Nature of Systems in Healthcare. <b>2021</b> , 3-13	
102	Interactive Framework of Cooperative Interface for Collaborative Driving. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 351-364	0.9
101	Evaluation of Playbook Delegation Approach in Human-Autonomy Teaming for Single Pilot Operations. <i>International Journal of Human-Computer Interaction</i> , <b>2021</b> , 37, 703-716	3.6 4
100	Understanding the "Swiss Cheese Model" and Its Application to Patient Safety. <b>2021</b> ,	6

99	Evaluation of Evolutionary Algorithms Under Frugal Learning Constraints for Online Policy Capturing. <b>2021</b> ,			2
98	A Survey of Collaborative Reinforcement Learning: Interactive Methods and Design Patterns. <b>2021</b> ,			1
97	Barriers towards Resilient Performance among Public Critical Infrastructure Organizations: The Refugee Influx Case of 2015 in Sweden. <b>2021</b> , 6, 106			
96	PHYRON: cognitive computing for the creation of an innovative Intelligence Experience Center. <b>2021</b> , 9, 103			
95	Human Autonomy in Future Drone Traffic: Joint Human-AI Control in Temporal Cognitive Work. <b>2021</b> , 4, 704082			1
94	MODELING AND SIMULATION OF HUMAN SYSTEMS. <b>2021</b> , 704-735			
93	THE CHANGING NATURE OF TASK ANALYSIS. <b>2021</b> , 358-367			1
92	A review of the effects of head-worn displays on teamwork for emergency response. <b>2021</b> , 1-31			1
91	Safer Systems: People Training or System Tuning?. <b>2021</b> , 11, 990-998			0
90	Deciding to stop work or deciding how work is done?. <i>Safety Science</i> , <b>2021</b> , 141, 105334	5.8		1
89	What Makes a Good Team? - Towards the Assessment of Driver-Vehicle Cooperation.. <b>2021</b> ,			
88	Cognitive Engineering.			16
87	Simulator Studies: The Next Best Thing?. <b>2010</b> , 75-90			1
86	Service Thinking in Design of Complex Sustainment Solutions. <i>Decision Engineering</i> , <b>2011</b> , 397-416	0.1		7
85	User-Centered Systems Design: A Brief History. <b>2014</b> , 33-54			19
84	Simple Simulation of Driver Performance for Prediction and Design Analysis. <b>2007</b> , 344-375			3
83	A Holistic Approach to Design and Evaluation of Mixed Reality Systems. <i>Human-computer Interaction Series</i> , <b>2010</b> , 33-55	0.6		2
82	DSSA Class of Evolving Information Systems. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 253-277	0.8		6

81	Cooperative guidance, control and automation. <b>2015</b> , 1-9		2
80	Distilling Support Opportunities to Improve Urban Search and Rescue Missions. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 703-712	0.9	3
79	Human Error Categorization: An Extension to Classical Proposals Applied to Electrical Systems Operations. <i>International Federation for Information Processing</i> , <b>2010</b> , 234-245		3
78	Defining Human-Centered System Issues for Verifying and Validating Air Traffic Control Systems. <b>1993</b> , 115-129		1
77	Evaluating the Impact of New Technology on Human-Machine Cooperation. <b>1993</b> , 133-158		8
76	Simplification Of Complexity: The Use Of Simulation To Analyse The Reliability Of Cognition. <b>1994</b> , 166-178		2
75	PRINCIPLES FOR DIALOGUE DESIGN IN MAN-MACHINE SYSTEMS. <b>1989</b> , 145-149		2
74	Modeling and Predicting Human Error. <b>1990</b> , 248-274		7
73	SOME RESULTS ON OPERATOR PERFORMANCE IN EMERGENCY EVENTS. <b>1984</b> , 21-32		19
72	A CONCEPTUAL FRAMEWORK FOR THE DESCRIPTION AND ANALYSIS OF MAN-MACHINE SYSTEM INTERACTION. <b>1984</b> , 81-96		2
71	Designing for Adaptation in Workers' Individual Behaviors and Collective Structures With Cognitive Work Analysis: Case Study of the Diagram of Work Organization Possibilities. <i>Human Factors</i> , <b>2021</b> , 63, 274-295	3.8	5
70	A Method to Describe Human Diagnostic Strategies in Relation to the Design of Human-Machine Cooperation. <i>International Journal of Cognitive Ergonomics</i> , <b>2000</b> , 4, 297-309		10
69	Comparison of Display Requirements Generated Via Hierarchical Task and Abstraction-Decomposition Space Analysis Techniques. <i>International Journal of Cognitive Ergonomics</i> , <b>2001</b> , 5, 335-355		32
68	Effect of Auditory Waiting Cues on Time Estimation in Speech Recognition Telephony Applications. <i>International Journal of Human-Computer Interaction</i> , <b>2002</b> , 14, 423-446	3.6	4
67	Análise do campo conceitual da engenharia de sistemas cognitivos e proposta de uma nova agenda de pesquisa. <i>Production</i> , <b>2014</b> , 24, 405-419	1.3	1
66	CogInfoCom Systems from an Interaction Perspective – A Pilot Application for EtoCom – <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , <b>2012</b> , 16, 297-304	0.4	19
65	Context and Complexity in Telemedicine Evaluation: Work Domain Analysis in a Surgical Setting (Preprint).		1
64	New Air Traffic Management Concepts Analysis Methodology: Application to a Multi-Sector Planner in US Airspace. <i>Air Traffic Control Quarterly</i> , <b>2007</b> , 15, 347-367		2

63	Study of driver trust during cooperation with adaptive cruise control. <i>Travail Humain</i> , <b>2006</b> , 69, 99	1.2	15
62	Gestion des erreurs et des risques dans l'aide médicale urgente. <i>Travail Humain</i> , <b>2010</b> , 73, 299	1.2	1
61	IO, Coagency, Intractability, and Resilience. <i>Advances in Business Strategy and Competitive Advantage Book Series</i> , <b>2013</b> , 342-352	0.3	1
60	References. <i>Human Factors and Ergonomics</i> , <b>2002</b> , 359-388		
59	References. <b>2003</b> , 305-326		
58	31. La gestion de situation dynamique. <b>2004</b> , 515		1
57	Shift Work. <b>2005</b> , 311-320		
56	Bibliography. <b>2006</b> , 187-203		
55	Two Human-Centered Approaches to Health Informatics: Cognitive Systems Engineering and Usability. <i>International Federation for Information Processing</i> , <b>2010</b> , 15-26		
54	A Cognitive Systems Engineering Approach to Support Municipal Police Cognition. <i>Advances in Human Factors and Ergonomics Series</i> , <b>2010</b> , 76-86		1
53	References. <b>2011</b> , 339-364		
52	From Human-Machine Interaction to Cooperation. 129-155		
51	Effect of visuo-manual configuration on a telerobot integration into the body schema. <i>Travail Humain</i> , <b>2013</b> , 76, 181	1.2	1
50	A Research Agenda for the Socio-Technical Design of Ubiquitous Computing Systems. <b>2014</b> , 3-18		
49	A Value-Centric Model to Ground Norms and Requirements for ePartners of Children. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 329-345	0.9	
48	DEMON: A Model for the Monitoring of Decision Making. <b>1987</b> , 123-134		
47	A context-oriented approach for decision support. <i>Lecture Notes in Computer Science</i> , <b>1990</b> , 137-148	0.9	
46	Computer Design Philosophy and Architecture. <i>Advances in Human Factors/Ergonomics</i> , <b>1991</b> , 17, 341-433		

45	The Intelligent Use of Intelligent Systems. <b>1993</b> , 42-59		
44	Organizational Setting and Task Complexity: Interactions with Collective and Individual Cognitive Activities. <b>1995</b> , 165-189		
43	Managing Differences in Situational Awareness Due to Roles in the Design-Use Process of Complex Systems. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , <b>2015</b> , 118-140	0.4	
42	Kooperative Fahrzeugführung. <b>2015</b> , 1103-1110		2
41	Intelligent Fighter Pilot Support for Distributed Unmanned and Manned Decision Making. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , <b>2015</b> , 1-22	0.4	1
40	Semantically Integrated Human Factors Engineering. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 284-294	0.9	1
39	Scoping Review on Human-Machine Interaction and Health and Safety at Work. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 337-347	0.9	
38	Incorporating Human Systems Engineering in Advanced Military Technology Development. <b>2017</b> , 341-359		
37	Challenges in Making Policy Decision-Support Systems Operational. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 99-107	0.4	
36	Police Cognition and Participatory Design. <b>2017</b> , 299-312		
35	Modeling Cognition and Collaborative Work. <b>2017</b> , 199-219		
34	Distributed Teams in the Living Laboratory. <b>2017</b> , 47-65		
33	Operator Error Types in a DCS of a Nuclear Power Plant. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 223-230	0.4	
32	Planning Simulation Exercises as Learning Lab: The Case of Digital Chart Changing Maritime Navigation Activity. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 139-144	0.4	
31	A view to cognitive engineering. <i>International Conference on Technics Technologies and Education</i> , <b>2019</b> , 29-34	0	
30	Intelligent Fighter Pilot Support for Distributed Unmanned and Manned Decision Making. <b>2019</b> , 167-187		
29	A Probabilistic Model of Taking-Over Control from Semi-autonomous Vehicles. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 332-337	0.4	
28	Modeling the Implementation Context of a Telemedicine Service: Work Domain Analysis in a Surgical Setting (Preprint).		

27	On the Importance of Adaptive Operator Training in Human-Swarm Interaction. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 311-329	0.9	1
26	From Human Automation Interactions to Social Human Autonomy Machine Teaming in Maritime Transportation. <i>IFIP Advances in Information and Communication Technology</i> , <b>2020</b> , 45-56	0.5	1
25	Human factors perspectives on highly automated driving. <i>Travail Humain</i> , <b>2020</b> , 83, 285	1.2	2
24	KoFFThe New Driving Experience: How to Cooperate with Automated Driving Vehicles. <i>Human-computer Interaction Series</i> , <b>2020</b> , 155-211	0.6	0
23	How People Interact with Information Presentation. 330-365		
22	Managing Human Factors in the Development of Fighter Aircraft. 101-116		1
21	A Value-Centric Model to Ground Norms and Requirements for ePartners of Children. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 329-345	0.9	
20	Intuitive robot programming based on operators' implicit knowledge.		1
19	A Research Agenda for Human Systems Engineering. <b>2020</b> , 259-269		
18	Chapitre 1. Introduction. <b>2004</b> , 1-13		1
17	Chapitre 10. Cadres thōriques et mōhodes de production de connaissances en psychologie ergonomique. <b>2004</b> , 221-251		3
16	Cognitive Engineering for AI: An Octave Drawing Test for Building a Mathematical Structure of a Subconscious Mind. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 135-148	0.5	
15	Smart Knowledge Engineering for Cognitive Systems: A Brief Overview. <i>Cybernetics and Systems</i> , 1-19	1.9	0
14	COGNITIVE BASED ELECTRIC POWER MANAGEMENT SYSTEM. <i>Balkan Journal of Electrical and Computer Engineering</i> ,	0.3	0
13	Smooth and Resilient HumanMachine Teamwork as an Industry 5.0 Design Challenge. <i>Sustainability</i> , <b>2022</b> , 14, 2773	3.6	2
12	The problem with making Safety-II work in healthcare.. <i>BMJ Quality and Safety</i> , <b>2022</b> ,	5.4	2
11	Making Smarter Museums Through New Technologies. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , <b>2022</b> , 75-98	0.3	
10	An Agile New Research Framework for Hybrid Human-AI Teaming: Trust, Transparency, and Transferability. <i>ACM Transactions on Interactive Intelligent Systems</i> ,	1.8	1

9	Design Thinking Framework for Integration of Transparency Measures in Time-Critical Decision Support. <i>International Journal of Human-Computer Interaction</i> , 1-17	3.6	
8	Stabilise, Solve, Execute Creating a Management Model for Resilient Flight Deck Operations. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 373-383	0.9	
7	Toward an impact-driven framework to operationalize social justice and implement ICT4D in the field of information. <i>Journal of the Association for Information Science and Technology</i> ,	2.7	2
6	The New view of human error. Origins, ambiguities, successes and critiques. <i>Safety Science</i> , <b>2022</b> , 154, 105853	5.8	4
5	Optimal Design of an Ecological Alarm Display for Automatic Train Supervision System. <i>Smart Innovation, Systems and Technologies</i> , <b>2022</b> , 183-193	0.5	
4	From captain to button-presser: operators perspectives on navigating highly automated ferries. <b>2022</b> , 2311, 012028		0
3	Facets of Human-Centered Design: The Evolution of Designing by, with, and for People. <b>2022</b> , 227-245		2
2	Simulation-Based System Improvement with Work Domain Functional Analysis: A Large-Size Product Manufacturing Case Study. <b>2022</b> , 55, 120-125		0
1	Policy Capturing to Support Pilot Decision-Making.		0