

# Annette Kluge

## List of Publications by Year in descending order

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113  
papers

1,493  
citations

394286

19  
h-index

414303

32  
g-index

128  
all docs

128  
docs citations

128  
times ranked

943  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Concept for a Distributed Interchangeable Knowledge Base in CPPS. Lecture Notes in Mechanical Engineering, 2022, , 314-321.	0.3	2
2	The best task allocation process is to decide on one's own: effects of the allocation agent in human-robot interaction on perceived work characteristics and satisfaction. Cognition, Technology and Work, 2022, 24, 39-55.	1.7	13
3	Choosing the right (HR) metrics: digital data for capturing team proactivity and determinants of content validity. Journal of Organizational Effectiveness, 2022, 9, 212-232.	1.4	6
4	Human-robot interaction: how worker influence in task allocation improves autonomy. Ergonomics, 2022, 65, 1230-1244.	1.1	5
5	My team makes me think I can (not) do it: team processes influence proactive motivational profiles over time. Team Performance Management, 2022, ahead-of-print, 21.	0.6	1
6	Why IT Security Needs Therapy. Lecture Notes in Computer Science, 2022, , 335-356.	1.0	1
7	Factors Influencing Attenuating Skill Decay in High-Risk Industries: A Scoping Review. Safety, 2022, 8, 22.	0.9	2
8	Incentive Schemes Increase Risky Behavior in a Safety-Critical Working Task: An Experimental Comparison in a Simulated High-Reliability Organization. Safety, 2022, 8, 17.	0.9	0
9	A two-part evaluation approach for measuring the usability and user experience of an Augmented Reality-based assistance system to support the temporal coordination of spatially dispersed teams. Cognitive Systems Research, 2021, 68, 1-17.	1.9	4
10	Collective orientation and its implications for coordination and team performance in interdependent work contexts. Team Performance Management, 2021, 27, 30-65.	0.6	9
11	Why Learning Opportunities From Aviation Incidents Are Lacking. Aviation Psychology and Applied Human Factors, 2021, 11, 33-47.	0.3	4
12	Unintended Detrimental Effects of the Combination of Several Safety Measures-When More Is Not Always More Effective. Safety, 2021, 7, 37.	0.9	1
13	The effectiveness of virtual safety training in work at heights: A literature review. Applied Ergonomics, 2021, 94, 103419.	1.7	20
14	How Just Culture and Personal Goals Moderate the Positive Relation between Commercial Pilots' Safety Citizenship Behavior and Voluntary Incident Reporting. Safety, 2021, 7, 59.	0.9	0
15	Towards a maturity model of human-centered AI - A reference for AI implementation at the workplace. , 2021, , 179-198.		5
16	Working Under Pandemic Conditions. Zeitschrift Fur Arbeits- Und Organisationspsychologie, 2021, 65, 181-187.	1.2	3
17	Something Old or Something New?. Zeitschrift Fur Arbeits- Und Organisationspsychologie, 2021, 65, 215-230.	1.2	4
18	When the Tension Is Rising: A Simulation-Based Study on the Effects of Safety Incentive Programs and Behavior-Based Safety Management. Safety, 2021, 7, 9.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Mensch-KI-Teaming: Mensch und Künstliche Intelligenz in der Arbeitswelt von morgen. ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb, 2021, 116, 728-734.	0.2	7
20	Why Commercial Pilots Voluntarily Report Self-Inflicted Incidents. Aviation Psychology and Applied Human Factors, 2021, 11, 98-111.	0.3	1
21	â€œTaking out the Trashâ€: Why Security Behavior Change requires Intentional Forgetting. , 2021, , .		3
22	Does simulation-based training in medical education need additional stressors? An experimental study. Ergonomics, 2020, 63, 80-90.	1.1	6
23	Psychological Effects of the Allocation Process in Humanâ€“Robot Interaction â€“ A Model for Research on ad hoc Task Allocation. Frontiers in Psychology, 2020, 11, 564672.	1.1	13
24	Using usability and user experience scores to design an Augmented Reality-based Ambient Awareness interface to support spatially dispersed teams. , 2020, , .		3
25	A Formal Modeling Framework for the Implementation of Gaze Guiding as an Adaptive Computer-Based Job Aid for the Control of Complex Technical Systems. International Journal of Human-Computer Interaction, 2020, 36, 748-776.	3.3	5
26	Fostering Flow Experience in HCI to Enhance and Allocate Human Energy. Lecture Notes in Computer Science, 2020, , 204-220.	1.0	7
27	Peer-Tutoring im Psychologie-Studium aus Sicht der Teilnehmenden und Tutor_innen â€“ Ein Evaluationsprojekt. , 2020, , 167-176.		0
28	Retentivity Beats prior Knowledge as Predictor for the Acquisition and Adaptation of New Production Processes. , 2020, , .		2
29	Information Processing in Work Environment 4.0 and the Beneficial Impact of Intentional Forgetting on Change Management. Zeitschrift Fur Arbeits- Und Organisationspsychologie, 2020, 64, 17-29.	1.2	2
30	Digitalization as the Problem of and the Solution to Vast Amounts of Data in Future Work â€“ Challenges for Individuals, Teams, and Organizations. Zeitschrift Fur Arbeits- Und Organisationspsychologie, 2020, 64, 1-5.	1.2	2
31	Corrigendum to â€œDesigning a Human Machine Interface for Quality Assurance in Car Manufacturing: An Attempt to Address the â€œFunctionality versus User Experience Contradictionâ€ in Professional Production Environmentsâ€: Advances in Human-Computer Interaction, 2019, 2019, 1-2.	1.8	0
32	Retention of a standard operating procedure under the influence of social stress and refresher training in a simulated process control task. Ergonomics, 2019, 62, 361-375.	1.1	12
33	Is there one best way to support skill retention? Putting practice, testing and symbolic rehearsal to the test. Zeitschrift FÃ¼r Arbeitswissenschaft, 2019, 73, 214-228.	0.7	6
34	Investigating unlearning and forgetting in organizations. Learning Organization, 2019, 26, 518-533.	0.7	15
35	Validating a Heuristic Evaluation Method An Application Test. , 2019, , .		0
36	Psychological Perspectives on Intentional Forgetting: An Overview of Concepts and Literature. KI - Kunstliche Intelligenz, 2019, 33, 79-84.	2.2	9

#	ARTICLE	IF	CITATIONS
37	Introduction to the Minitrack on Intentional Forgetting in Organizations and Information Systems. , 2019, , .		0
38	Managing Change Through a Work Environment Which Promotes Forgetting. , 2019, , .		1
39	Complex cognitive skill retention: The roles of general mental ability and refresher interventions in a simulated vocational setting. Journal of Computer Assisted Learning, 2018, 34, 471-481.	3.3	4
40	Designing a Human Machine Interface for Quality Assurance in Car Manufacturing: An Attempt to Address the "Functionality versus User Experience Contradiction" in Professional Production Environments. Advances in Human-Computer Interaction, 2018, 2018, 1-18.	1.8	15
41	Editorial: Complex Problem Solving Beyond the Psychometric Approach. Frontiers in Psychology, 2018, 9, 1224.	1.1	2
42	Can cued recall by means of gaze guiding replace refresher training? An experimental study addressing complex cognitive skill retrieval. International Journal of Industrial Ergonomics, 2018, 67, 123-134.	1.5	7
43	Intentional Forgetting in Organizations: The Importance of Eliminating Retrieval Cues for Implementing New Routines. Frontiers in Psychology, 2018, 9, 51.	1.1	19
44	The bomb crater effect under the influence of audit feedback: Now you see me, now you don't. Safety Science, 2018, 110, 449-456.	2.6	3
45	Effects of In-Flight Countermeasures to Mitigate Fatigue Risks in Aviation. Aviation Psychology and Applied Human Factors, 2018, 8, 86-92.	0.3	5
46	Influencing Factors on Error Reporting in Aviation - A Scenario-Based Approach. Advances in Intelligent Systems and Computing, 2018, , 3-14.	0.5	1
47	Lernen als Grundlage von Coaching. , 2018, , 335-342.		2
48	Human-centered design (HCD) of a fault-finding application for mobile devices and its impact on the reduction of time in fault diagnosis in the manufacturing industry. Applied Ergonomics, 2017, 59, 170-181.	1.7	16
49	Complex Problem Solving in Teams: The Impact of Collective Orientation on Team Process Demands. Frontiers in Psychology, 2017, 8, 1730.	1.1	34
50	Commentary: Retrieval practice protects memory against acute stress. Frontiers in Behavioral Neuroscience, 2017, 11, 48.	1.0	5
51	Cued Recall with Gaze Guiding"Reduction of Human Errors with a Gaze-Guiding Tool. Advances in Intelligent Systems and Computing, 2017, , 3-16.	0.5	7
52	Does teaching non-technical skills to medical students improve those skills and simulated patient outcome?. International Journal of Medical Education, 2017, 8, 101-113.	0.6	44
53	Organisationsentwicklung: Gewolltes Vergessen als Jungbrunnen. Sozialwirtschaft, 2017, 27, 32-33.	0.0	2
54	The Spectrum of Safety-Related Rule Violations. Journal of Cognitive Engineering and Decision Making, 2016, 10, 178-196.	0.9	7

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55	Stress influences decisions to break a safety rule in a complex simulation task in females. <i>Biological Psychology</i> , 2016, 118, 35-43.	1.1	11
56	Good Sleep Quality and Ways to Control Fatigue Risks in Aviation – An Empirical Study with Commercial Airline Pilots. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 191-201.	0.5	8
57	Recall enhancement with gaze guiding: Performance support and error reduction in dual tasks. , 2016, , .		0
58	Does skill retention benefit from retentivity and symbolic rehearsal? – two studies with a simulated process control task. <i>Ergonomics</i> , 2016, 59, 641-656.	1.1	9
59	Lernen als Grundlage von Coaching. , 2016, , 1-8.		2
60	Gaze Guiding zur Unterstützung der Bedienung technischer Systeme. , 2015, , 61-68.		3
61	The impact of the accuracy of information about audit probabilities on safety-related rule violations and the bomb crater effect. <i>Safety Science</i> , 2015, 74, 160-171.	2.6	9
62	The impact of safety audit timing and framing of the production outcomes on safety-related rule violations in a simulated production environment. <i>Safety Science</i> , 2015, 77, 205-213.	2.6	11
63	Gaze Guiding as Support for the Control of Technical Systems. <i>International Journal of Information Systems for Crisis Response and Management</i> , 2015, 7, 59-80.	0.7	8
64	Counterproductive Work Behaviour in a Simulated Production Context: An Exploratory Study with Personality Traits As Predictors of Safety-Related Rule Violations. <i>Journal of Ergonomics</i> , 2014, 04, .	0.2	5
65	Advanced Applications in Process Control and Training Needs of Field and Control Room Operators. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2014, 2, 121-136.	0.5	35
66	User Interface Design for Test and Diagnosis Software in Automotive Production Environments. <i>Lecture Notes in Computer Science</i> , 2014, , 372-375.	1.0	0
67	Predictors of Knowledge-Sharing Behavior for Teams in Extreme Environments. <i>Journal of Cognitive Engineering and Decision Making</i> , 2014, 8, 352-373.	0.9	12
68	Automation in Process Industry: Cure or Curse? How can Training Improve Operator’s Performance. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 889-894.	0.3	20
69	The Training Evaluation Inventory (TEI) - Evaluation of Training Design and Measurement of Training Outcomes for Predicting Training Success. <i>Vocations and Learning</i> , 2014, 7, 41-73.	0.9	52
70	Counteracting skill decay: four refresher interventions and their effect on skill and knowledge retention in a simulated process control task. <i>Ergonomics</i> , 2014, 57, 175-190.	1.1	51
71	Customization of user interfaces to reduce errors and enhance user acceptance. <i>Applied Ergonomics</i> , 2014, 45, 346-353.	1.7	19
72	Erfassung akzeptanzrelevanter Merkmale von Datenbrillen mittels Repertory Grid Technik. <i>Zeitschrift für Arbeitswissenschaft</i> , 2014, 68, 250-256.	0.7	7

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73	Exploring the usefulness of two variants of gaze-guiding-based dynamic job aids for performing a fixed-sequence start-up procedure after longer periods of non-use. <i>International Journal of Human Factors and Ergonomics</i> , 2014, 3, 148.	0.2	9
74	Required Knowledge and Skills to Control a Complex Technical System – Job Analysis Related to Training. , 2014, , 49-104.		0
75	Basic Learning Processes and Supportive Learning Mechanisms for Taskwork and Teamwork to Control Complex Systems. , 2014, , 105-153.		0
76	Controlling Complex Technical Systems: The Control Room Operator’s Tasks in Process Industries. , 2014, , 11-47.		2
77	Training Design for Instance-Based Learning – The “Staged Process Control Readiness Training” (SPCRT). , 2014, , 155-193.		0
78	Measuring organizational learning from errors: Development and validation of an integrated model and questionnaire. <i>Management Learning</i> , 2013, 44, 511-536.	1.4	57
79	Combining principles of Cognitive Load Theory and diagnostic error analysis for designing job aids: Effects on motivation and diagnostic performance in a process control task. <i>Applied Ergonomics</i> , 2013, 44, 285-296.	1.7	19
80	Enhancing Research on Training for Cognitive Readiness. <i>Journal of Cognitive Engineering and Decision Making</i> , 2013, 7, 96-118.	0.9	6
81	Communicating production outcomes as gains or losses, operator skill and their effects on safety-related violations in a simulated production context. <i>Journal of Risk Research</i> , 2013, 16, 1241-1258.	1.4	11
82	The effects of a scientifically-based team resource management intervention for fire service teams. <i>International Journal of Human Factors and Ergonomics</i> , 2013, 2, 196.	0.2	6
83	Safety related rule violations investigated experimentally. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 225-229.	0.2	4
84	Integrating Production Workers into User Interface Design for Diagnosis Devices in Automotive Production Environments: Field Experiences and Lessons Learned. <i>Communications in Computer and Information Science</i> , 2013, , 469-473.	0.4	1
85	Organisationales Lernen. , 2013, , 233-250.		2
86	“Why should I share what I know?” – Antecedents for enhancing knowledge-sharing behavior and its impact on shared mental models in steel production. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 403-407.	0.2	6
87	Formal Modeling and Reconfiguration of User Interfaces for Reduction of Errors in Failure Handling of Complex Systems. <i>International Journal of Human-Computer Interaction</i> , 2012, 28, 646-665.	3.3	16
88	Flexibility under complexity. <i>Employee Relations</i> , 2012, 34, 322-338.	1.5	26
89	“Being prepared for the infrequent” – A comparative study of two refresher training approaches and their effects on temporal and adaptive transfer in a process control task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 2437-2441.	0.2	11
90	Measuring the Effects of Team Resource Management Training for the Fire Service. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 2442-2446.	0.2	5

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91	Social norms and their impact on safety-related rule violations in process control: Does it make a difference if operators are aware that residents will be injured?. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 243-247.	0.2	5
92	Process control and risky decision-making: moderation by general mental ability and need for cognition. Ergonomics, 2012, 55, 1285-1297.	1.1	7
93	Using Comics as a Transfer Support Tool for Crew Resource Management Training. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 2118-2122.	0.2	2
94	Comparison of controller attention decrease during different break patterns in night shifts. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1195-1199.	0.2	0
95	Stereotypical Inferences as Mediators of Age Discrimination: The Role of Competence and Warmth. British Journal of Management, 2011, 22, 187-201.	3.3	109
96	The interaction of drill and practice and error training with individual differences. Cognition, Technology and Work, 2011, 13, 103-120.	1.7	13
97	Integrating Safety and Crew Resource Management (CRM) Aspects in the Recurrent Training of Cabin Crew Members. Aviation Psychology and Applied Human Factors, 2011, 1, 45-51.	0.3	8
98	Assessment of Structural Knowledge as a Training Outcome in Process Control Environments. Human Factors, 2010, 52, 119-138.	2.1	5
99	Comparative study of three training methods for enhancing process control performance: Emphasis shift training, situation awareness training, and drill and practice. Computers in Human Behavior, 2010, 26, 976-986.	5.1	27
100	User-Centered Interface Reconfiguration for Error Reduction in Human-Computer Interaction. , 2010, , .		7
101	Violations-Inducing Framing Effects of Production Goals: Conditions under which goal setting leads to neglecting safety-relevant rules. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1895-1899.	0.2	3
102	Designing Training for Temporal and Adaptive Transfer: A Comparative Evaluation of Three Training Methods for Process Control Tasks. Journal of Educational Computing Research, 2010, 43, 327-353.	3.6	17
103	The predictive qualities of operator characteristics for process control performance: The influence of personality and cognitive variables. Ergonomics, 2009, 52, 302-311.	1.1	22
104	Designing training for process control simulators: a review of empirical findings and current practices. Theoretical Issues in Ergonomics Science, 2009, 10, 489-509.	1.0	44
105	Waste Water Treatment Simulation (WaTr Sim): Validation of a New Process Control Simulation Tool for Experimental Training Research. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1969-1973.	0.2	11
106	Barriers to organizational learning: An integration of theory and research. International Journal of Management Reviews, 2009, 11, 337-360.	5.2	149
107	What you train is what you get? Task requirements and training methods in complex problem-solving. Computers in Human Behavior, 2008, 24, 284-308.	5.1	21
108	The effects of heuristic rule training on operator performance in a simulated process control environment. Ergonomics, 2008, 51, 953-967.	1.1	23

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109	Performance Assessments With Microworlds and Their Difficulty. Applied Psychological Measurement, 2008, 32, 156-180.	0.6	44
110	Attitudes Toward Older Workers and Human Resource Practices. Swiss Journal of Psychology, 2008, 67, 61-64.	0.9	44
111	Experiential Learning Methods, Simulation Complexity and Their Effects on Different Target Groups. Journal of Educational Computing Research, 2007, 36, 323-349.	3.6	25
112	Die Einstellungen zur Leistungs-, Lern- und Anpassungsfähigkeit Älterer Arbeitnehmer/-innen und die subjektiv erlebte Diskriminierung " eine Untersuchung in Schweizer Unternehmen. Arbeit, 2006, 15, 3-17.	0.3	16
113	Organizational learning and learning organizations: Theory and empirical findings.. Psychologist-Manager Journal, 2003, 6, 31-50.	0.3	13