

# Annette Kluge

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Barriers to organizational learning: An integration of theory and research. <i>International Journal of Management Reviews</i> , 2009, 11, 337-360.	5.2	149
2	Stereotypical Inferences as Mediators of Age Discrimination: The Role of Competence and Warmth. <i>British Journal of Management</i> , 2011, 22, 187-201.	3.3	109
3	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
4	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
5	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
6	Performance Assessments With Microworlds and Their Difficulty. <i>Applied Psychological Measurement</i> , 2008, 32, 156-180.	0.6	44
7	Designing training for process control simulators: a review of empirical findings and current practices. <i>Theoretical Issues in Ergonomics Science</i> , 2009, 10, 489-509.	1.0	44
8	Attitudes Toward Older Workers and Human Resource Practices. <i>Swiss Journal of Psychology</i> , 2008, 67, 61-64.	0.9	44
9	Does teaching non-technical skills to medical students improve those skills and simulated patient outcome?. <i>International Journal of Medical Education</i> , 2017, 8, 101-113.	0.6	44
10	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
11	Complex Problem Solving in Teams: The Impact of Collective Orientation on Team Process Demands. <i>Frontiers in Psychology</i> , 2017, 8, 1730.	1.1	34
12	Comparative study of three training methods for enhancing process control performance: Emphasis shift training, situation awareness training, and drill and practice. <i>Computers in Human Behavior</i> , 2010, 26, 976-986.	5.1	27
13	Flexibility under complexity. <i>Employee Relations</i> , 2012, 34, 322-338.	1.5	26
14	Experiential Learning Methods, Simulation Complexity and Their Effects on Different Target Groups. <i>Journal of Educational Computing Research</i> , 2007, 36, 323-349.	3.6	25
15	The effects of heuristic rule training on operator performance in a simulated process control environment. <i>Ergonomics</i> , 2008, 51, 953-967.	1.1	23
16	The predictive qualities of operator characteristics for process control performance: The influence of personality and cognitive variables. <i>Ergonomics</i> , 2009, 52, 302-311.	1.1	22
17	What you train is what you get? Task requirements and training methods in complex problem-solving. <i>Computers in Human Behavior</i> , 2008, 24, 284-308.	5.1	21
18	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

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19	The effectiveness of virtual safety training in work at heights: A literature review. <i>Applied Ergonomics</i> , 2021, 94, 103419.	1.7	20
20	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
21	Customization of user interfaces to reduce errors and enhance user acceptance. <i>Applied Ergonomics</i> , 2014, 45, 346-353.	1.7	19
22	Intentional Forgetting in Organizations: The Importance of Eliminating Retrieval Cues for Implementing New Routines. <i>Frontiers in Psychology</i> , 2018, 9, 51.	1.1	19
23	Designing Training for Temporal and Adaptive Transfer: A Comparative Evaluation of Three Training Methods for Process Control Tasks. <i>Journal of Educational Computing Research</i> , 2010, 43, 327-353.	3.6	17
24	Die Einstellungen zur Leistungs-, Lern- und Anpassungsfähigkeit Älterer Arbeitnehmer/-innen und die subjektiv erlebte Diskriminierung – eine Untersuchung in Schweizer Unternehmen. <i>Arbeit</i> , 2006, 15, 3-17.	0.3	16
25	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
26	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. <i>Applied Ergonomics</i> , 2017, 59, 170-181.	1.7	16
27	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. <i>Advances in Human-Computer Interaction</i> , 2018, 2018, 1-18.	1.8	15
28	Investigating unlearning and forgetting in organizations. <i>Learning Organization</i> , 2019, 26, 518-533.	0.7	15
29	Organizational learning and learning organizations: Theory and empirical findings.. <i>Psychologist-Manager Journal</i> , 2003, 6, 31-50.	0.3	13
30	The interaction of drill and practice and error training with individual differences. <i>Cognition, Technology and Work</i> , 2011, 13, 103-120.	1.7	13
31	Psychological Effects of the Allocation Process in Human-Robot Interaction – A Model for Research on ad hoc Task Allocation. <i>Frontiers in Psychology</i> , 2020, 11, 564672.	1.1	13
32	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. <i>Cognition, Technology and Work</i> , 2022, 24, 39-55.	1.7	13
33	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
34	Retention of a standard operating procedure under the influence of social stress and refresher training in a simulated process control task. <i>Ergonomics</i> , 2019, 62, 361-375.	1.1	12
35	Waste Water Treatment Simulation (WaTr Sim): Validation of a New Process Control Simulation Tool for Experimental Training Research. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, 53, 1969-1973.	0.2	11
36	“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

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37	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
38	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
39	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
40	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
41	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
42	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
43	Psychological Perspectives on Intentional Forgetting: An Overview of Concepts and Literature. <i>KI - Kunstliche Intelligenz</i> , 2019, 33, 79-84.	2.2	9
44	Collective orientation and its implications for coordination and team performance in interdependent work contexts. <i>Team Performance Management</i> , 2021, 27, 30-65.	0.6	9
45	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
46	Integrating Safety and Crew Resource Management (CRM) Aspects in the Recurrent Training of Cabin Crew Members. <i>Aviation Psychology and Applied Human Factors</i> , 2011, 1, 45-51.	0.3	8
47	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
48	User-Centered Interface Reconfiguration for Error Reduction in Human-Computer Interaction. , 2010, , .		7
49	Process control and risky decision-making: moderation by general mental ability and need for cognition. <i>Ergonomics</i> , 2012, 55, 1285-1297.	1.1	7
50	Erfassung akzeptanzrelevanter Merkmale von Datenbrillen mittels Repertory Grid Technik. <i>Zeitschrift für Arbeitswissenschaft</i> , 2014, 68, 250-256.	0.7	7
51	The Spectrum of Safety-Related Rule Violations. <i>Journal of Cognitive Engineering and Decision Making</i> , 2016, 10, 178-196.	0.9	7
52	Can cued recall by means of gaze guiding replace refresher training? An experimental study addressing complex cognitive skill retrieval. <i>International Journal of Industrial Ergonomics</i> , 2018, 67, 123-134.	1.5	7
53	When the Tension Is Rising: A Simulation-Based Study on the Effects of Safety Incentive Programs and Behavior-Based Safety Management. <i>Safety</i> , 2021, 7, 9.	0.9	7
54	Fostering Flow Experience in HCI to Enhance and Allocate Human Energy. <i>Lecture Notes in Computer Science</i> , 2020, , 204-220.	1.0	7

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55	Cued Recall with Gaze Guiding – Reduction of Human Errors with a Gaze-Guiding Tool. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 3-16.	0.5	7
56	Mensch-KI-Teaming: Mensch und Künstliche Intelligenz in der Arbeitswelt von morgen. <i>ZWF Zeitschrift fuer Wirtschaftlichen Fabrikbetrieb</i> , 2021, 116, 728-734.	0.2	7
57	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
58	Enhancing Research on Training for Cognitive Readiness. <i>Journal of Cognitive Engineering and Decision Making</i> , 2013, 7, 96-118.	0.9	6
59	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
60	Is there one best way to support skill retention? Putting practice, testing and symbolic rehearsal to the test. <i>Zeitschrift für Arbeitswissenschaft</i> , 2019, 73, 214-228.	0.7	6
61	Does simulation-based training in medical education need additional stressors? An experimental study. <i>Ergonomics</i> , 2020, 63, 80-90.	1.1	6
62	Choosing the right (HR) metrics: digital data for capturing team proactivity and determinants of content validity. <i>Journal of Organizational Effectiveness</i> , 2022, 9, 212-232.	1.4	6
63	Assessment of Structural Knowledge as a Training Outcome in Process Control Environments. <i>Human Factors</i> , 2010, 52, 119-138.	2.1	5
64	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
65	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?. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 243-247.	0.2	5
66	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
67	Commentary: Retrieval practice protects memory against acute stress. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 48.	1.0	5
68	A Formal Modeling Framework for the Implementation of Gaze Guiding as an Adaptive Computer-Based Job Aid for the Control of Complex Technical Systems. <i>International Journal of Human-Computer Interaction</i> , 2020, 36, 748-776.	3.3	5
69	Towards a maturity model of human-centered AI – A reference for AI implementation at the workplace. , 2021, , 179-198.		5
70	Effects of In-Flight Countermeasures to Mitigate Fatigue Risks in Aviation. <i>Aviation Psychology and Applied Human Factors</i> , 2018, 8, 86-92.	0.3	5
71	Human – robot interaction: how worker influence in task allocation improves autonomy. <i>Ergonomics</i> , 2022, 65, 1230-1244.	1.1	5
72	Safety related rule violations investigated experimentally. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 225-229.	0.2	4

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73	Complex cognitive skill retention: The roles of general mental ability and refresher interventions in a simulated vocational setting. <i>Journal of Computer Assisted Learning</i> , 2018, 34, 471-481.	3.3	4
74	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. <i>Cognitive Systems Research</i> , 2021, 68, 1-17.	1.9	4
75	Why Learning Opportunities From Aviation Incidents Are Lacking. <i>Aviation Psychology and Applied Human Factors</i> , 2021, 11, 33-47.	0.3	4
76	Something Old or Something New?. <i>Zeitschrift Fur Arbeits- Und Organisationspsychologie</i> , 2021, 65, 215-230.	1.2	4
77	Violations-Inducing Framing Effects of Production Goals: Conditions under which goal setting leads to neglecting safety-relevant rules. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 1895-1899.	0.2	3
78	Gaze Guiding zur UnterstÃ¼tzung der Bedienung technischer Systeme. , 2015, , 61-68.		3
79	The bomb crater effect under the influence of audit feedback: Now you see me, now you donâ€™t. <i>Safety Science</i> , 2018, 110, 449-456.	2.6	3
80	Using usability and user experience scores to design an Augmented Reality-based Ambient Awareness interface to support spatially dispersed teams. , 2020, , .		3
81	Working Under Pandemic Conditions. <i>Zeitschrift Fur Arbeits- Und Organisationspsychologie</i> , 2021, 65, 181-187.	1.2	3
82	â€œTaking out the Trashâ€ Why Security Behavior Change requires Intentional Forgetting. , 2021, , .		3
83	Using Comics as a Transfer Support Tool for Crew Resource Management Training. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011, 55, 2118-2122.	0.2	2
84	Editorial: Complex Problem Solving Beyond the Psychometric Approach. <i>Frontiers in Psychology</i> , 2018, 9, 1224.	1.1	2
85	Organisationales Lernen. , 2013, , 233-250.		2
86	Organisationsentwicklung: Gewolltes Vergessen als Jungbrunnen. <i>Sozialwirtschaft</i> , 2017, 27, 32-33.	0.0	2
87	Controlling Complex Technical Systems: The Control Room Operatorâ€™s Tasks in Process Industries. , 2014, , 11-47.		2
88	Lernen als Grundlage von Coaching. , 2016, , 1-8.		2
89	Lernen als Grundlage von Coaching. , 2018, , 335-342.		2
90	A Concept for a Distributed Interchangeable Knowledge Base in CPPS. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 314-321.	0.3	2

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91	Retentivity Beats prior Knowledge as Predictor for the Acquisition and Adaptation of New Production Processes. , 2020, , .		2
92	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
93	Digitalization as the Problem of and the Solution to Vast Amounts of Data in Future Work â€œ Challenges for Individuals, Teams, and Organizations. Zeitschrift Fur Arbeits- Und Organisationspsychologie, 2020, 64, 1-5.	1.2	2
94	Factors Influencing Attenuating Skill Decay in High-Risk Industries: A Scoping Review. Safety, 2022, 8, 22.	0.9	2
95	Unintended Detrimental Effects of the Combination of Several Safety Measuresâ€”When More Is Not Always More Effective. Safety, 2021, 7, 37.	0.9	1
96	Integrating Production Workers into User Interface Design for Diagnosis Devices in Automotive Production Environments: Field Experiences and Lessons Learned. Communications in Computer and Information Science, 2013, , 469-473.	0.4	1
97	Influencing Factors on Error Reporting in Aviation - A Scenario-Based Approach. Advances in Intelligent Systems and Computing, 2018, , 3-14.	0.5	1
98	Managing Change Through a Work Environment Which Promotes Forgetting. , 2019, , .		1
99	Why Commercial Pilots Voluntarily Report Self-Inflicted Incidents. Aviation Psychology and Applied Human Factors, 2021, 11, 98-111.	0.3	1
100	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
101	Why IT Security Needs Therapy. Lecture Notes in Computer Science, 2022, , 335-356.	1.0	1
102	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
103	User Interface Design for Test and Diagnosis Software in Automotive Production Environments. Lecture Notes in Computer Science, 2014, , 372-375.	1.0	0
104	Recall enhancement with gaze guiding: Performance support and error reduction in dual tasks. , 2016, , .		0
105	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
106	Validating a Heuristic Evaluation Method An Application Test. , 2019, , .		0
107	How Just Culture and Personal Goals Moderate the Positive Relation between Commercial Pilotsâ€™ Safety Citizenship Behavior and Voluntary Incident Reporting. Safety, 2021, 7, 59.	0.9	0
108	Required Knowledge and Skills to Control a Complex Technical System â€œ Job Analysis Related to Training. , 2014, , 49-104.		0

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109	Basic Learning Processes and Supportive Learning Mechanisms for Taskwork and Teamwork to Control Complex Systems. , 2014, , 105-153.		0
110	Training Design for Instance-Based Learning â€” The â€œStaged Process Control Readiness Trainingâ€• (SPCRT). , 2014, , 155-193.		0
111	Introduction to the Minitrack on Intentional Forgetting in Organizations and Information Systems. , 2019, , .		0
112	Peer-Tutoring im Psychologie-Studium aus Sicht der Teilnehmenden und Tutor_innen â€” Ein Evaluationsprojekt. , 2020, , 167-176.		0
113	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