

David D Woods

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8680031/publications.pdf>

Version: 2024-02-01

61
papers

5,109
citations

270111

25
h-index

214428

50
g-index

63
all docs

63
docs citations

63
times ranked

2904
citing authors

#	ARTICLE	IF	CITATIONS
1	Resilient Flight Control: An Architecture for Human Supervision of Automation. IEEE Transactions on Control Systems Technology, 2021, 29, 29-42.	3.2	17
2	Rethinking preparedness planning in disaster emergency care: lessons from a beyond-surge-capacity event. World Journal of Emergency Surgery, 2021, 16, 59.	2.1	8
3	Coping With a Mass Casualty: Insights into a Hospital's Emergency Response and Adaptations After the Formosa Fun Coast Dust Explosion. Disaster Medicine and Public Health Preparedness, 2020, 14, 467-476.	0.7	12
4	Safety II professionals: How resilience engineering can transform safety practice. Reliability Engineering and System Safety, 2020, 195, 106740.	5.1	118
5	Uncovering the Value of a Historical Paper-Based Collaborative Artifact: The Nursing Unit's Kardex System. Frontiers in Digital Health, 2020, 2, 12.	1.5	3
6	The Strategic Agility Gap: How Organizations Are Slow and Stale to Adapt in Turbulent Worlds. SpringerBriefs in Applied Sciences and Technology, 2020, , 95-104.	0.2	10
7	Revealing the critical role of human performance in software. Communications of the ACM, 2020, 63, 64-67.	3.3	6
8	Beyond surge: Coping with mass burn casualty in the closest hospital to the Formosa Fun Coast Dust Explosion. Burns, 2019, 45, 964-973.	1.1	11
9	Revealing the Critical Role of Human Performance in Software. Queue, 2019, 17, 28-40.	0.8	4
10	The theory of graceful extensibility: basic rules that govern adaptive systems. Environment Systems and Decisions, 2018, 38, 433-457.	1.9	80
11	EBM: Rationalist Fever Dreams. Journal of Cognitive Engineering and Decision Making, 2018, 12, 227-230.	0.9	4
12	Features of resilience. Environment Systems and Decisions, 2017, 37, 46-50.	1.9	61
13	Can We Trust Best Practices? Six Cognitive Challenges of Evidence-Based Approaches. Journal of Cognitive Engineering and Decision Making, 2016, 10, 244-254.	0.9	32
14	The Risks of Autonomy. Journal of Cognitive Engineering and Decision Making, 2016, 10, 131-133.	0.9	50
15	Seeing Through Multiple Sensors into Distant Scenes: The Essential Power of Viewpoint Control. Lecture Notes in Computer Science, 2016, , 388-399.	1.0	1
16	Human-Robot Interaction as Extending Human Perception to New Scales. , 2015, , 848-868.		7
17	Four concepts for resilience and the implications for the future of resilience engineering. Reliability Engineering and System Safety, 2015, 141, 5-9.	5.1	471
18	Where Is the Organization Looking in Order to Be Proactive about Safety? A Framework for Revealing whether It Is Mostly Looking Back, Also Looking Forward or Simply Looking Away. Journal of Contingencies and Crisis Management, 2015, 23, 97-105.	1.6	12

#	ARTICLE	IF	CITATIONS
19	The Seven Deadly Myths of "Autonomous Systems". IEEE Intelligent Systems, 2013, 28, 54-61.	4.0	140
20	Performance of Experienced Versus Less Experienced Paramedics in Managing Challenging Scenarios: A Cognitive Task Analysis Study. Annals of Emergency Medicine, 2013, 62, 367-379.	0.3	40
21	Resilience in the Face of a Superstorm. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 329-333.	0.2	6
22	Beyond Simon's Slice: Five Fundamental Trade-Offs that Bound the Performance of Macrocognitive Work Systems. IEEE Intelligent Systems, 2011, 26, 67-71.	4.0	56
23	Colliding Dilemmas: Interactions Of Locally Adaptive Strategies In A Hospital Setting. , 2011, , 256-262.		14
24	The High Reliability Organization Perspective. , 2010, , 123-143.		18
25	Hollnagel's test: being "in control" of highly interdependent multi-layered networked systems. Cognition, Technology and Work, 2010, 12, 95-101.	1.7	61
26	Capturing the dynamics of attention control from individual to distributed systems: the shape of models to come. Theoretical Issues in Ergonomics Science, 2010, 11, 7-28.	1.0	33
27	How panoramic visualization can support human supervision of intelligent surveillance. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1136-1140.	0.2	1
28	Cooperative Advocacy: An Approach for Integrating Diverse Perspectives in Anomaly Response. Computer Supported Cooperative Work, 2009, 18, 175-198.	1.9	18
29	The Dynamics of Trust in Cyberdomains. IEEE Intelligent Systems, 2009, 24, 5-11.	4.0	41
30	DESIGNING FOR EXPERTISE. , 2008, , 215-237.		2
31	Insights from Applying Rigor Metric to Healthcare Incident Investigations. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1766-1770.	0.2	1
32	CONNECTING DESIGN WITH COGNITION AT WORK. , 2008, , 199-213.		5
33	How Anomaly Response is Distributed Across Functionally Distinct Teams in Space Shuttle Mission Control. Journal of Cognitive Engineering and Decision Making, 2007, 1, 405-433.	0.9	12
34	Judging Sufficiency: How Professional Intelligence Analysts Assess Analytical Rigor. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 318-322.	0.2	10
35	Always Adapting. Annals of Emergency Medicine, 2007, 50, 517-519.	0.3	13
36	An adaptive focus-of-attention model for video surveillance and monitoring. Machine Vision and Applications, 2007, 18, 41-64.	1.7	30

#	ARTICLE	IF	CITATIONS
37	Discovering the events expert practitioners extract from dynamic data streams: the modified unit marking technique. <i>Cognition, Technology and Work</i> , 2007, 9, 81-98.	1.7	7
38	Collaborative cross-checking to enhance resilience. <i>Cognition, Technology and Work</i> , 2007, 9, 155-162.	1.7	101
39	Elicitation by critiquing as a cognitive task analysis methodology. <i>Cognition, Technology and Work</i> , 2006, 8, 90-102.	1.7	17
40	Common Ground and Coordination in Joint Activity. , 2005, , 139-184.		167
41	Problem detection. <i>Cognition, Technology and Work</i> , 2005, 7, 14-28.	1.7	90
42	Finding Decision Support Requirements for Effective Intelligence Analysis Tools. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2005, 49, 297-301.	0.2	36
43	Collaborative Cross-Checking to Enhance Resilience. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2005, 49, 512-516.	0.2	4
44	Overcoming the Keyhole in Human-Robot Coordination: Simulation and Evaluation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2005, 49, 442-446.	0.2	39
45	Human error in perspective. <i>Postgraduate Medicine</i> , 2001, 109, 13-17.	0.9	16
46	Shift Changes, Updates, and the On-Call Architecture in Space Shuttle Mission Control. <i>Computer Supported Cooperative Work</i> , 2001, 10, 317-346.	1.9	91
47	Extracting Event Patterns from Telemetry Data. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001, 45, 409-413.	0.2	4
48	Communication of Intent in Military Command and Control Systems. , 2000, , 279-291.		31
49	A Model of Communication in Support of Distributed Anomaly Response and Replanning. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000, 44, 34-37.	0.2	12
50	Voice Loops as Coordination Aids in Space Shuttle Mission Control. <i>Computer Supported Cooperative Work</i> , 1999, 8, 353-371.	1.9	97
51	How in the World Did We Ever Get into That Mode? Mode Error and Awareness in Supervisory Control. <i>Human Factors</i> , 1995, 37, 5-19.	2.1	623
52	The alarm problem and directed attention in dynamic fault management. <i>Ergonomics</i> , 1995, 38, 2371-2393.	1.1	203
53	Cognitive simulation as a tool for cognitive task analysis. <i>Ergonomics</i> , 1992, 35, 1163-1198.	1.1	76
54	Situation Awareness: A Critical But Ill-Defined Phenomenon. <i>The International Journal of Aviation Psychology</i> , 1991, 1, 45-57.	0.7	367

#	ARTICLE	IF	CITATIONS
55	Significance Messages: An Integrated Display Concept. Proceedings of the Human Factors Society Annual Meeting, 1988, 32, 1350-1354.	0.1	8
56	Visual momentum: a concept to improve the cognitive coupling of person and computer. International Journal of Man-Machine Studies, 1984, 21, 229-244.	0.7	317
57	Cognitive Systems Engineering: New wine in new bottles. International Journal of Man-Machine Studies, 1983, 18, 583-600.	0.7	468
58	Joint Cognitive Systems. , 0, , .		346
59	Joint Cognitive Systems. , 0, , .		544
60	Incident Command Situation Assessment Utilizing Video Feeds from UAVs. , 0, , 858-874.		0
61	Incident Command Situation Assessment Utilizing Video Feeds from UAVs. , 0, , 55-71.		0