

David B Kaber

List of Publications by Year in descending order

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172
papers

5,662
citations

156536

32
h-index

111975

67
g-index

181
all docs

181
docs citations

181
times ranked

4459
citing authors

#	ARTICLE	IF	CITATIONS
1	Using situation awareness measures to characterize mental models in an inductive reasoning task. <i>Theoretical Issues in Ergonomics Science</i> , 2022, 23, 80-103.	1.0	6
2	Smartphone-based systems for physical rehabilitation applications: A systematic review. <i>Assistive Technology</i> , 2021, 33, 223-236.	1.2	42
3	Utility of Functional Transparency and Usability in UAV Supervisory Control Interface Design. <i>International Journal of Social Robotics</i> , 2021, 13, 1761-1776.	3.1	3
4	Effects of corrective insole on leg muscle activation and lower extremity alignment in rice farmers with pronated foot: a preliminary report. <i>Foot</i> , 2021, 46, 101771.	0.4	4
5	Quantitative models for automation rate and situation awareness response: A case study of levels of driving automation. , 2021, , .		0
6	Influence of Dynamic Automation Function Allocations on Operator Situation Awareness and Workload in Unmanned Aerial Vehicle Control. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 337-348.	0.5	3
7	Effects of feedback type and modality on motor skill learning and retention. <i>Behaviour and Information Technology</i> , 2020, 39, 431-442.	2.5	8
8	An approach to human motor skill training for uniform group performance. <i>International Journal of Industrial Ergonomics</i> , 2020, 75, 102894.	1.5	6
9	Driver Hazard Response When Processing On-road and In-vehicle Messaging of Non-Safety-Related Information. , 2020, , .		0
10	Evaluation of Activities of Daily Living Testbeds for Assessing Prosthetic Device Usability. , 2020, , .		3
11	Effects of stretching on muscle activation in gas cylinder handling. <i>Work</i> , 2020, 66, 149-160.	0.6	3
12	Enhancement and Application of a UAV Control Interface Evaluation Technique. <i>ACM Transactions on Human-Robot Interaction</i> , 2020, 9, 1-20.	3.2	8
13	Driver Logo Sign Detection and Hazard Responses during Partially Automated Driving. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 1960-1964.	0.2	0
14	A fuzzy system hazard analysis approach for human-in-the-loop systems. <i>Safety Science</i> , 2019, 120, 922-931.	2.6	8
15	Application of Cognitive Task Performance Modeling for Assessing Usability of Transradial Prostheses. <i>IEEE Transactions on Human-Machine Systems</i> , 2019, 49, 381-387.	2.5	20
16	A usability assessment of riding lawn-mowing equipment with varying levels of design standards compliance. <i>Applied Ergonomics</i> , 2019, 78, 76-85.	1.7	2
17	On-Road and In-Vehicle Delivery of Service Signs: Effects of Information Source and Age. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 2117-2121.	0.2	3
18	Design Process for an Ergonomic Solution to the Police Duty Belt. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 3-15.	0.5	1

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19	Effects of Dynamic Automation on Situation Awareness and Workload in UAV Control Decision Tasks. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 193-203.	0.5	0
20	The effect of navigation display clutter on performance and attention allocation in presentation- and simulator-based driving experiments. <i>Applied Ergonomics</i> , 2018, 69, 136-145.	1.7	17
21	The Underpinnings of Workload in Unmanned Vehicle Systems. <i>IEEE Transactions on Human-Machine Systems</i> , 2018, 48, 452-467.	2.5	16
22	Reflections on Commentaries on "Issues in Human"Automation Interaction Modeling". <i>Journal of Cognitive Engineering and Decision Making</i> , 2018, 12, 86-93.	0.9	6
23	Issues in Human"Automation Interaction Modeling: Presumptive Aspects of Frameworks of Types and Levels of Automation. <i>Journal of Cognitive Engineering and Decision Making</i> , 2018, 12, 7-24.	0.9	92
24	Effect of police mobile computer terminal interface design on officer driving distraction. <i>Applied Ergonomics</i> , 2018, 67, 26-38.	1.7	25
25	Identification of task demands and usability issues in police use of mobile computing terminals. <i>Applied Ergonomics</i> , 2018, 66, 161-171.	1.7	22
26	An integrated measure of display clutter based on feature content, user knowledge and attention allocation factors. <i>Ergonomics</i> , 2018, 61, 682-696.	1.1	6
27	A conceptual framework of autonomous and automated agents. <i>Theoretical Issues in Ergonomics Science</i> , 2018, 19, 406-430.	1.0	30
28	Augmenting Fine Motor Skill Training with Haptic Error Amplification. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1547-1551.	0.2	2
29	Effect of Vehicle Control Format on Driver Performance and Attention Allocation under Adaptive Cruise Control. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1510-1514.	0.2	2
30	Effect of Driver Age and Distance Guide Sign Format on Driver Attention Allocation and Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1903-1907.	0.2	3
31	A Comparison of Virtual Reality-Based Psychomotor Task Training with Visual and Haptic Aiding. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 265-277.	0.5	1
32	Driving Performance, Adaptation, and Cognitive Workload Costs of Logo Panel Detection as Mediated by Driver Age. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 775-786.	0.5	2
33	An Integration of Cognitive Task Analysis Results for Situation Awareness-Focused Training Program Development. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 161-172.	0.5	0
34	Muscle loading in exoskeletal orthotic use in an activity of daily living. <i>Applied Ergonomics</i> , 2017, 58, 190-197.	1.7	8
35	Enhanced Hazard Analysis and Risk Assessment for Human-in-the-Loop Systems. <i>Human Factors</i> , 2017, 59, 861-873.	2.1	4
36	The role of driver age in performance and attention allocation effects of roadway sign count, format and familiarity. <i>Applied Ergonomics</i> , 2017, 63, 17-30.	1.7	24

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37	Effect of physical workload and modality of information presentation on pattern recognition and navigation task performance by high-fit young males. <i>Ergonomics</i> , 2017, 60, 1516-1527.	1.1	4
38	Driver performance and attention allocation in use of logo signs on freeway exit ramps. <i>Applied Ergonomics</i> , 2017, 65, 70-80.	1.7	27
39	Influence of Task Knowledge and Display Features on Driver Attention to Cluttered Navigation Displays. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 1768-1772.	0.2	2
40	Development of a Usability and Functionality Assessment Tool for Riding Lawn Equipment. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 2015-2019.	0.2	1
41	The effects of interruption similarity and complexity on performance in a simulated visual-manual assembly operation. <i>Applied Ergonomics</i> , 2017, 59, 94-103.	1.7	13
42	On-Road Visual Sign Saliency, Driver Attention Allocation, and Target Detection Accuracy. <i>Transportation Research Record</i> , 2017, 2663, 40-47.	1.0	3
43	Effect of feedback type and modality on human motivation. , 2017, , .		4
44	Usability Comparison of Conventional Direct Control Versus Pattern Recognition Control of Transradial Prostheses. <i>IEEE Transactions on Human-Machine Systems</i> , 2017, 47, 1146-1157.	2.5	36
45	Unmanned aerial vehicle control interface design and cognitive workload: A constrained review and research framework. , 2016, , .		7
46	Cognitive workload in conventional direct control vs. pattern recognition control of an upper-limb prosthesis. , 2016, , .		6
47	Effect of physical workload on navigation task performance by high-fit young males. , 2016, , .		1
48	Biometric validation of a virtual reality-based psychomotor test for motor skill training. <i>Assistive Technology</i> , 2016, 28, 233-241.	1.2	2
49	Evaluation of Strategies for Integrated Classification of Visual-Manual and Cognitive Distractions in Driving. <i>Human Factors</i> , 2016, 58, 944-958.	2.1	10
50	The effect of driver cognitive abilities and distractions on situation awareness and performance under hazard conditions. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016, 42, 177-194.	1.8	42
51	Electromyography (EMG) as a Tool for Computerized Psychomotor Test Validation. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 967-978.	0.5	1
52	An Application of Statistical Modeling for Classification of Human Motor Skill Level. , 2016, , .		0
53	The Effect of Physical Workload and Modality of Information Presentation on Cognitive Inhibition in Highly Fit Young Males. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2016, 4, 88-103.	0.5	4
54	Relating Musculoskeletal and Disability Conditions of Occupation-Induced Musculoskeletal Disorders to Non-occupational Congenital Disabilities. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 65-73.	0.5	1

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55	Effects of Guide and Logo Signs on Freeway Driving Behavior. Transportation Research Record, 2015, 2518, 73-78.	1.0	3
56	Usability and Safety in Electronic Medical Records Interface Design. Human Factors, 2015, 57, 805-834.	2.1	190
57	Influence of cognitive and perceptual processing on multitask performance with locomotion. Theoretical Issues in Ergonomics Science, 2015, 16, 273-298.	1.0	4
58	Driver behavior in use of guide and logo signs under distraction and complex roadway conditions. Applied Ergonomics, 2015, 47, 99-106.	1.7	31
59	Examining the Effects of Conformal Terrain Features in Advanced Head-Up Displays on Flight Performance and Pilot Situation Awareness. Human Factors and Ergonomics in Manufacturing, 2014, 24, 386-402.	1.4	6
60	The Effects of Visual and Cognitive Distractions on Operational and Tactical Driving Behaviors. Human Factors, 2014, 56, 592-604.	2.1	25
61	Effects of Laptop Touchpad Texturing on User Performance. International Journal of Human-Computer Interaction, 2014, 30, 470-479.	3.3	5
62	Evaluation of an Augmented Virtual Reality and Haptic Control Interface for Psychomotor Training. Assistive Technology, 2014, 26, 51-60.	1.2	14
63	Ergonomics-related risk identification and pain analysis for farmers involved in rice field preparation. Work, 2014, 49, 63-71.	0.6	17
64	Cockpit Displays of Traffic Information and Pilot Bias in Time-to-Contact Judgments. Aviation, Space, and Environmental Medicine, 2014, 85, 597-604.	0.6	1
65	Testing and Validation of a Psychophysically Defined Metric of Display Clutter. Journal of Aerospace Information Systems, 2013, 10, 359-368.	1.0	8
66	Effects of restrictive clothing on lumbar range of motion and trunk muscle activity in young adult worker manual material handling. Applied Ergonomics, 2013, 44, 1024-1032.	1.7	17
67	Emotional State Classification in Patient-Robot Interaction Using Wavelet Analysis and Statistics-Based Feature Selection. IEEE Transactions on Human-Machine Systems, 2013, 43, 63-75.	2.5	92
68	Driver distraction and performance effects of highway logo sign design. Applied Ergonomics, 2013, 44, 472-479.	1.7	30
69	Human-Automation Interaction Research. Ergonomics in Design, 2013, 21, 9-14.	0.4	112
70	Assessing Goal-Directed Three-Dimensional Movements in a Virtual Reality Block Design Task. , 2013, , .		2
71	Evaluation of a Virtual Reality and Haptic Simulation of a Block Design Test. , 2013, , .		1
72	Mitigating Biases in Time-to-Contact Judgments with Cockpit Displays of Traffic Information. , 2013, , .		1

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73	A Cognitive Modeling Approach to Decision Support Tool Design for Anesthesia Provider Crisis Management. <i>International Journal of Human-Computer Interaction</i> , 2013, 29, 55-66.	3.3	2
74	Validation of a Haptic-Based Simulation to Test Complex Figure Reproduction Capability. <i>IEEE Transactions on Human-Machine Systems</i> , 2013, 43, 547-557.	2.5	5
75	Influence of Flight Domain and Cockpit Display Dynamics on Pilot Perceived Clutter. <i>Journal of Aerospace Information Systems</i> , 2013, 10, 550-559.	1.0	4
76	An empirical assessment of driver motivation and emotional states in perceived safety margins under varied driving conditions. <i>Ergonomics</i> , 2013, 56, 256-267.	1.1	19
77	The Effects of Thoracic Manipulation Versus Mobilization for Chronic Neck Pain: a Randomized Controlled Trial Pilot Study. <i>Journal of Physical Therapy Science</i> , 2013, 25, 865-871.	0.2	38
78	Measuring Situation Awareness in Virtual Environment-Based Training. <i>Military Psychology</i> , 2013, 25, 330-344.	0.7	11
79	Invisible Factors. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 447-451.	0.2	5
80	Adaptive Automation. , 2013, , .		7
81	Comparison of Enhanced Visual and Haptic Features in a Virtual Reality-Based Haptic Simulation. <i>Lecture Notes in Computer Science</i> , 2013, , 551-560.	1.0	0
82	Investigating Human Performance in a Virtual Reality Haptic Simulator as Influenced by Fidelity and System Latency. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012, 42, 1562-1566.	3.4	30
83	Effects of handicraft sitting postures on lower trunk muscle fatigue. <i>Ergonomics</i> , 2012, 55, 693-703.	1.1	29
84	Me and My VE. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 2512-2516.	0.2	0
85	The Effects of Haptic and Visual Aiding on Psychomotor Task Strategy Development During Virtual Reality-Based Training. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 2570-2574.	0.2	5
86	Simulator Study of Driver Responses to Pedestrian Treatments at Multilane Roundabouts. <i>Transportation Research Record</i> , 2012, 2312, 67-75.	1.0	14
87	Measurement and Modeling of Display Clutter in Advanced Flight Deck Technologies. <i>The International Journal of Aviation Psychology</i> , 2012, 22, 299-318.	0.7	12
88	An Accessible Cognitive Modeling Tool for Evaluation of Pilot's Automation Interaction. <i>The International Journal of Aviation Psychology</i> , 2012, 22, 319-342.	0.7	6
89	Driver performance effects of simultaneous visual and cognitive distraction and adaptation behavior. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2012, 15, 491-501.	1.8	102
90	Effects of hazard exposure and roadway complexity on young and older driver situation awareness and performance. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2012, 15, 600-611.	1.8	52

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91	Acute effects of traditional Thai massage on electroencephalogram in patients with scapulocostal syndrome. <i>Complementary Therapies in Medicine</i> , 2012, 20, 167-174.	1.3	26
92	Prevalence and associated risk factors of low-back pain in textile fishing net manufacturing. <i>Human Factors and Ergonomics in Manufacturing</i> , 2012, 22, 562-570.	1.4	9
93	Effects of modes of cockpit automation on pilot performance and workload in a next generation flight concept of operation. <i>Human Factors and Ergonomics in Manufacturing</i> , 2012, 22, 395-406.	1.4	6
94	Effects of etiquette strategy on human-robot interaction in a simulated medicine delivery task. <i>Intelligent Service Robotics</i> , 2012, 5, 199-210.	1.6	14
95	Comparison of infant car seat grip orientations and lift strategies. <i>Applied Ergonomics</i> , 2012, 43, 650-657.	1.7	3
96	Effect of visual displays and locations on laparoscopic surgical training task. <i>Applied Ergonomics</i> , 2012, 43, 762-767.	1.7	21
97	Haptic-based Virtual Environment Design and Modeling of Motor Skill Assessment for Brain Injury Patients Rehabilitation. <i>Computer-Aided Design and Applications</i> , 2011, 8, 149-162.	0.4	10
98	Multidimensional Measure of Display Clutter and Pilot Performance for Advanced Head-up Display. <i>Aviation, Space, and Environmental Medicine</i> , 2011, 82, 1013-1022.	0.6	24
99	Effects of Scaffolding Equipment Interventions on Muscle Activation and Task Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011, 55, 975-979.	0.2	1
100	Understanding Cognitive Strategy With Adaptive Automation in Dual-Task Performance Using Computational Cognitive Models. <i>Journal of Cognitive Engineering and Decision Making</i> , 2011, 5, 309-331.	0.9	7
101	The Effects of Visual and Cognitive Distraction on Driver Situation Awareness. <i>Lecture Notes in Computer Science</i> , 2011, , 186-195.	1.0	22
102	Human Factors in Virtual Reality System Design for Mobility and Haptic Task Performance. <i>Reviews of Human Factors and Ergonomics</i> , 2011, 7, 323-366.	0.5	13
103	Pioneers in Cognitive Engineering & Decision Making Research - Foundational Contributions to the Science of Human-Automation Interaction. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011, 55, 321-325.	0.2	3
104	Assessing Usability of Human-Machine Interfaces for Life Science Automation Using Computational Cognitive Models. <i>International Journal of Human-Computer Interaction</i> , 2011, 27, 481-504.	3.3	4
105	Service robot feature design effects on user perceptions and emotional responses. <i>Intelligent Service Robotics</i> , 2010, 3, 73-88.	1.6	53
106	Assessing the Effects of Humanoid Robot Features on Patient Emotion during a Medicine Delivery Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 349-353.	0.2	7
107	Characterisation of mental models in a virtual reality-based multitasking scenario using measures of situation awareness. <i>Theoretical Issues in Ergonomics Science</i> , 2010, 11, 99-118.	1.0	16
108	An empirical assessment of driver motivation, emotional response and driving conditions on risk-taking decisions. <i>Advances in Human Factors and Ergonomics Series</i> , 2010, , 646-655.	0.2	3

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109	Workload-Based Evaluation of Supervisory Control Interfaces for Life Science Automation. <i>Advances in Human Factors and Ergonomics Series</i> , 2010, , 166-175.	0.2	1
110	Data and Knowledge as Predictors of Perceptions of Display Clutter, Subjective Workload and Pilot Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, 53, 21-25.	0.2	0
111	Assessing the Effects of Conformal Terrain Features in Advanced Head-Up Displays on Pilot Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, 53, 36-40.	0.2	4
112	Analysis of Alternative Keyboards Using Learning Curves. <i>Human Factors</i> , 2009, 51, 35-45.	2.1	17
113	Human-automation interaction strategies and models for life science applications. <i>Human Factors and Ergonomics in Manufacturing</i> , 2009, 19, 601-621.	1.4	11
114	Design and evaluation of dynamic text-editing methods using foot pedals. <i>International Journal of Industrial Ergonomics</i> , 2009, 39, 358-365.	1.5	11
115	Effects of physical workload on cognitive task performance and situation awareness. <i>Theoretical Issues in Ergonomics Science</i> , 2008, 9, 95-113.	1.0	50
116	Service robot anthropomorphism and interface design for emotion in human-robot interaction. , 2008, , .		19
117	Bottom-up and Top-down Contributors to Pilot Perceptions of Display Clutter in Advanced Flight Deck Technologies. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2008, 52, 1180-1184.	0.2	9
118	Design and Usability Evaluation of Foot Interfaces for Dynamic Text Editing. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2008, 52, 581-585.	0.2	1
119	Assessing Interactive System Effectiveness with Usability Heuristics and Markov Models of User Behavior. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2008, 52, 1127-1131.	0.2	0
120	The Red-Line of Workload: Theory, Research, and Design. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2008, 52, 1204-1208.	0.2	35
121	Characterization of Mental Models in a Virtual Reality-Based Multitasking Scenario. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2008, 52, 388-392.	0.2	0
122	Perceived Clutter in Advanced Cockpit Displays: Measurement and Modeling with Experienced Pilots. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 1007-1018.	0.6	25
123	Computational GOMS Modeling towards Understanding Cognitive Strategy in Dual-Task Performance with Automation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2007, 51, 802-806.	0.2	0
124	Workload State Classification With Automation During Simulated Air Traffic Control. <i>The International Journal of Aviation Psychology</i> , 2007, 17, 371-390.	0.7	26
125	The Utility of a Virtual Reality Locomotion Interface for Studying Gait Behavior. <i>Human Factors</i> , 2007, 49, 696-709.	2.1	38
126	Cognitive Engineering and Decision Making: An Overview and Future Course. <i>Journal of Cognitive Engineering and Decision Making</i> , 2007, 1, 1-21.	0.9	38

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127	Prototyping and Usability Testing of Supervisory Control Interfaces for Life Science Automation. , 2007, , .		0
128	Timed Petri Net Modeling and Simulation of a High-Throughput Biological Screening Process. , 2007, , .		2
129	Human-automation Interaction Strategies for Life Science Applications: Implications and Future Research. , 2007, , .		8
130	Fuzzy Filtering for an Intelligent Interpretation of Medical Data. , 2007, , .		11
131	Effects of in-vehicle navigation assistance and performance on driver trust and vehicle control. International Journal of Industrial Ergonomics, 2007, 37, 665-673.	1.5	24
132	Common metrics for human-robot interaction. , 2006, , .		473
133	Computational Cognitive Modeling of Operator Behavior in Telerover Navigation. , 2006, , .		7
134	Situation awareness implications of adaptive automation for information processing in an air traffic control-related task. International Journal of Industrial Ergonomics, 2006, 36, 447-462.	1.5	118
135	Investigation of multi-modal interface features for adaptive automation of a human-robot system. International Journal of Human Computer Studies, 2006, 64, 527-540.	3.7	43
136	Presence, workload and performance effects of synthetic environment design factors. International Journal of Human Computer Studies, 2006, 64, 541-552.	3.7	42
137	User, robot and automation evaluations in high-throughput biological screening processes. , 2006, , .		6
138	Towards a Sensitive Measure of Situation Awareness in Adaptively Automated Systems. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 275-279.	0.2	0
139	Situation Awareness and Driving Performance in a Simulated Navigation Task. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 270-274.	0.2	3
140	Human Performance with Vocal Cueing of Automation State Changes in an Adaptive System. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 415-419.	0.2	0
141	Effects of Automation of Information-Processing Functions on Teamwork. Human Factors, 2005, 47, 50-66.	2.1	45
142	Situation awareness and workload in driving while using adaptive cruise control and a cell phone. International Journal of Industrial Ergonomics, 2005, 35, 939-953.	1.5	238
143	Control gain adaptation in virtual reality mediated human-telerobot interaction. Human Factors and Ergonomics in Manufacturing, 2005, 15, 259-274.	1.4	24
144	Adaptive Automation of Human-Machine System Information-Processing Functions. Human Factors, 2005, 47, 730-741.	2.1	90

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145	Applicability of Usability Evaluation Techniques to Aviation Systems. The International Journal of Aviation Psychology, 2004, 14, 395-420.	0.7	10
146	Situation awareness and attention allocation measures for quantifying telepresence experiences in teleoperation. Human Factors and Ergonomics in Manufacturing, 2004, 14, 51-67.	1.4	47
147	Using feedforward neural networks and forward selection of input variables for an ergonomics data classification problem. Human Factors and Ergonomics in Manufacturing, 2004, 14, 31-49.	1.4	18
148	Cervicobrachial muscle response to cognitive load in a dual-task scenario. Ergonomics, 2004, 47, 625-645.	1.1	38
149	The effects of level of automation and adaptive automation on human performance, situation awareness and workload in a dynamic control task. Theoretical Issues in Ergonomics Science, 2004, 5, 113-153.	1.0	530
150	Situation Awareness Measurement and the Situation Awareness Global Assessment Technique. , 2004, , 42-1-42-8.		10
151	Authority in Adaptive Automation Applied to Various Stages of Human-Machine System Information Processing. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 543-547.	0.2	6
152	Team Coordination and Strategies Under Automation. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 553-557.	0.2	5
153	Comparison of Performance Effects of Adaptive Automation Applied to Various Stages of Human-Machine System Information Processing. Proceedings of the Human Factors and Ergonomics Society, 2002, 46, 342-346.	0.2	19
154	Effect of Grip Span on Lateral Pinch Grip Strength. Human Factors, 2002, 44, 569-577.	2.1	31
155	Improved Usability of Aviation Automation Through Direct Manipulation and Graphical User Interface Design. The International Journal of Aviation Psychology, 2002, 12, 153-178.	0.7	18
156	Assessing the Relationship between Cognitive Load and Cervicobrachial Muscle Response during a Typing Task. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1092-1096.	0.2	1
157	On the Design of Adaptive Automation for Complex Systems. International Journal of Cognitive Ergonomics, 2001, 5, 37-57.	0.3	119
158	Design of automation for telerobots and the effect on performance, operator situation awareness, and subjective workload. Human Factors and Ergonomics in Manufacturing, 2000, 10, 409-430.	1.4	127
159	Establishing information requirements for supervisory controllers in a flexible manufacturing system using GTA. Human Factors and Ergonomics in Manufacturing, 2000, 10, 431-452.	1.4	20
160	A new approach to applying feedforward neural networks to the prediction of musculoskeletal disorder risk. Applied Ergonomics, 2000, 31, 269-282.	1.7	31
161	Web-Based Interface Design for Teleoperation. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 449-452.	0.2	0
162	Human Factors Issues in Implementation of AA to Complex Systems. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 97-100.	0.2	0

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163	Effects of Visual Interface Design, and Control Mode and Latency on Performance, Telepresence and Workload in a Teleoperation Task. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 503-506.	0.2	46
164	Design of automation for telerobots and the effect on performance, operator situation awareness, and subjective workload. , 2000, 10, 409.		3
165	Speculations on the Value of Telepresence. Cyberpsychology, Behavior and Social Networking, 1999, 2, 349-362.	2.2	25
166	Level of automation effects on performance, situation awareness and workload in a dynamic control task. Ergonomics, 1999, 42, 462-492.	1.1	777
167	A framework for training workers in contemporary manufacturing environments. International Journal of Computer Integrated Manufacturing, 1999, 12, 291-310.	2.9	7
168	Adaptive Automation of a Dynamic Control Task Based on Secondary Task Workload Measurement. International Journal of Cognitive Ergonomics, 1999, 3, 169-187.	0.3	97
169	Team situation awareness for process control safety and performance. Process Safety Progress, 1998, 17, 43-48.	0.4	65
170	Telepresence. Human Factors, 1998, 40, 354-375.	2.1	295
171	Out-of-the-loop performance problems and the use of intermediate levels of automation for improved control system functioning and safety. Process Safety Progress, 1997, 16, 126-131.	0.4	184
172	â€œFitting Dataâ€ A Case Study on Effective Driver Distraction State Classification. , 0, , .		1