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List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,598
citations

304743

22
h-index

206112

48
g-index

76
all docs

76
docs citations

76
times ranked

1504
citing authors

#	ARTICLE	IF	CITATIONS
1	Examining the Role of Task Requirements in the Magnitude of the Vigilance Decrement. <i>Frontiers in Psychology</i> , 2018, 9, 1504.	2.1	17
2	Human modeling for human-robot collaboration. <i>International Journal of Robotics Research</i> , 2017, 36, 580-596.	8.5	36
3	Familiarity, Priming, and Perception in Similarity Judgments. <i>Cognitive Science</i> , 2017, 41, 1450-1484.	1.7	2
4	Human Error as an Emergent Property of Action Selection and Task Place-Holding. <i>Human Factors</i> , 2017, 59, 377-392.	3.5	5
5	Interruptions Reduce Performance across All Levels of Signal Detection When Estimations of Confidence are Highest. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 254-258.	0.3	1
6	Improving Vigilance Analysis Methodology. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 289-293.	0.3	3
7	Interruptions can Change the Perceived Relationship between Accuracy and Confidence. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 230-234.	0.3	3
8	Episodes, events, and models. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 590.	2.0	9
9	Using spatial representations in gesture to facilitate early word learning: A priming process model. , 2015, , .		0
10	Building high assurance human-centric decision systems. <i>Automated Software Engineering</i> , 2015, 22, 159-197.	2.9	12
11	Brief Lags in Interrupted Sequential Performance: Evaluating a Model and Model Evaluation Method. <i>International Journal of Human Computer Studies</i> , 2015, 79, 51-65.	5.6	19
12	Immediate inferences from quantified assertions. <i>Quarterly Journal of Experimental Psychology</i> , 2015, 68, 2073-2096.	1.1	17
13	An ACT-R Process Model of the Signal Duration Phenomenon of Vigilance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 909-913.	0.3	7
14	Momentary interruptions can derail the train of thought.. <i>Journal of Experimental Psychology: General</i> , 2014, 143, 215-226.	2.1	145
15	The law of unintended consequences. , 2014, , .		3
16	Leveraging Cognitive Context for Object Recognition. , 2014, , .		4
17	Dynamic Operator Overload: A Model for Predicting Workload During Supervisory Control. <i>IEEE Transactions on Human-Machine Systems</i> , 2014, 44, 30-40.	3.5	22
18	A Process Model of Trust in Automation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 827-831.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Interruption Practice Reduces Procedural Errors at the Post-Completion Step. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 265-269.	0.3	4
20	Adaptive automation and cue invocation. , 2013, , .		8
21	Time Pressure, Memory, and Task Knowledge Facilitate the Opportunism Heuristic in Dynamic Tasks. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1025-1029.	0.3	2
22	An explanatory reasoning framework for embodied agents. Biologically Inspired Cognitive Architectures, 2012, 1, 23-31.	0.9	5
23	Unpacking the temporal advantage of distributing complex visual displays. International Journal of Human Computer Studies, 2012, 70, 812-827.	5.6	8
24	Building and Verifying a Predictive Model of Interruption Resumption. Proceedings of the IEEE, 2012, 100, 648-659.	21.3	12
25	Embodied Spatial Cognition. Topics in Cognitive Science, 2011, 3, 686-706.	1.9	15
26	Mitigating disruptive effects of interruptions through training: What needs to be practiced?. Journal of Experimental Psychology: Applied, 2011, 17, 97-109.	1.2	31
27	How Long Is a Moment: The Perception and Reality of Task-Related Absences. International Journal of Social Robotics, 2011, 3, 243-252.	4.6	2
28	A memory for goals model of sequence errors. Cognitive Systems Research, 2011, 12, 134-143.	2.7	65
29	An Eye Movement Analysis of the Effect of Interruption Modality on Primary Task Resumption. Human Factors, 2010, 52, 370-380.	3.5	20
30	An algorithm for generating color scales for both categorical and ordinal coding. Color Research and Application, 2010, 35, 18-28.	1.6	7
31	The Effect of Interruptions and Global Placekeeping on Postcompletion Error Rates. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 463-467.	0.3	2
32	Robot-directed speech: Using language to assess first-time users' conceptualizations of a robot. , 2010, , .		6
33	Measuring search efficiency in complex visual search tasks: Global and local clutter.. Journal of Experimental Psychology: Applied, 2010, 16, 238-250.	1.2	61
34	A Generalized Model for Predicting Postcompletion Errors. Topics in Cognitive Science, 2010, 2, 154-167.	1.9	17
35	Single operator, multiple robots. , 2010, , .		22
36	A Model of Clutter for Complex, Multivariate Geospatial Displays. Human Factors, 2009, 51, 90-101.	3.5	34

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37	A Process-Model Account of Task Interruption and Resumption: When Does Encoding of the Problem State Occur?. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 799-803.	0.3	8
38	“Like-Me” Simulation as an Effective and Cognitively Plausible Basis for Social Robotics. International Journal of Social Robotics, 2009, 1, 181-194.	4.6	29
39	How Do Scientists Respond to Anomalies? Different Strategies Used in Basic and Applied Science. Topics in Cognitive Science, 2009, 1, 711-729.	1.9	21
40	A perceptual process approach to selecting color scales for complex visualizations.. Journal of Experimental Psychology: Applied, 2009, 15, 25-34.	1.2	18
41	Cognitive Models of the Influence of Color Scale on Data Visualization Tasks. Human Factors, 2009, 51, 321-338.	3.5	19
42	Spatial memory guides task resumption. Visual Cognition, 2008, 16, 1001-1010.	1.6	45
43	Predicting postcompletion errors using eye movements. , 2008, , .		24
44	The Effect of Interruption Modality on Primary Task Resumption. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 393-397.	0.3	16
45	Dealing with Interruptions can be Complex, but does Interruption Complexity Matter: A Mental Resources Approach to Quantifying Disruptions. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 398-402.	0.3	18
46	The Red-Line of Workload: Theory, Research, and Design. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1204-1208.	0.3	35
47	Integrating vision and audition within a cognitive architecture to track conversations. , 2008, , .		34
48	The effect of interruption duration and demand on resuming suspended goals.. Journal of Experimental Psychology: Applied, 2008, 14, 299-313.	1.2	196
49	Task Interruptions. Reviews of Human Factors and Ergonomics, 2007, 3, 111-126.	0.5	96
50	Using Peripheral Processing and Spatial Memory to Facilitate Task Resumption. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 244-248.	0.3	12
51	Long-term symbolic learning. Cognitive Systems Research, 2007, 8, 237-247.	2.7	14
52	Timecourse of recovery from task interruption: Data and a model. Psychonomic Bulletin and Review, 2007, 14, 1079-1084.	2.8	138
53	“What ifâ€¦” The Use of Conceptual Simulations in Scientific Reasoning. Cognitive Science, 2007, 31, 843-875.	1.7	73
54	Helpful or Harmful? Examining the Effects of Interruptions on Task Performance. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 372-375.	0.3	13

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55	A Preliminary Study of Peer-to-Peer Human-Robot Interaction. , 2006, , .		21
56	Mitigating Disruptions: Can Resuming an Interrupted Task Be Trained?. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 368-371.	0.3	11
57	The Relationship Between Spatial Transformations and Iconic Gestures. Spatial Cognition and Computation, 2006, 6, 1-29.	1.2	40
58	Understanding dynamic and static displays: using images to reason dynamically. Cognitive Systems Research, 2005, 6, 312-319.	2.7	20
59	Connecting Internal and External Representations: Spatial Transformations of Scientific Visualizations. Foundations of Science, 2005, 10, 89-106.	0.7	58
60	Towards collaboration with robots in shared space. Interactions, 2005, 12, 22-24.	1.0	5
61	Huh, what was I Doing? How People Use Environmental Cues after an Interruption. Proceedings of the Human Factors and Ergonomics Society, 2005, 49, 468-472.	0.3	37
62	COLLABORATING WITH HUMANOID ROBOTS IN SPACE. International Journal of Humanoid Robotics, 2005, 02, 181-201.	1.1	9
63	The Peer-to-Peer Human-Robot Interaction Project. , 2005, , .		40
64	Recovering From Interruptions: Implications for Driver Distraction Research. Human Factors, 2004, 46, 650-663.	3.5	165
65	Integrating cognition, perception and action through mental simulation in robots. Robotics and Autonomous Systems, 2004, 49, 13-23.	5.1	59
66	Dynamic Mental Models in Weather Forecasting. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 311-314.	0.3	3
67	Cognitive Tools for Humanoid Robots in Space. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 351-356.	0.4	0
68	Collaborating with a Dynamically Autonomous Cognitive Robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 147-152.	0.4	0
69	The Attentional Costs of Interrupting Task Performance at Various Stages. Proceedings of the Human Factors and Ergonomics Society, 2002, 46, 1824-1828.	0.3	69
70	Extracting Explicit and Implicit Information from Complex Visualizations. Lecture Notes in Computer Science, 2002, , 206-220.	1.3	21
71	Memory for goals: an activation-based model. Cognitive Science, 2002, 26, 39-83.	1.7	434
72	Note-Taking for Self-Explanation and Problem Solving. Human-Computer Interaction, 2001, 16, 1-38.	4.4	54

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73	Turning pictures into numbers: extracting and generating information from complex visualizations. International Journal of Human Computer Studies, 2000, 53, 827-850.	5.6	91
74	Validating and Refining Cognitive Process Models Using Probabilistic Graphical Models. Topics in Cognitive Science, 0, , .	1.9	0