

David Kieras

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

4,879
citations

304602

22
h-index

377752

34
g-index

52
all docs

52
docs citations

52
times ranked

1995
citing authors

#	ARTICLE	IF	CITATIONS
1	A computational theory of executive cognitive processes and multiple-task performance: Part I. Basic mechanisms.. Psychological Review, 1997, 104, 3-65.	2.7	1,208
2	An approach to the formal analysis of user complexity. International Journal of Man-Machine Studies, 1985, 22, 365-394.	0.7	487
3	An Overview of the EPIC Architecture for Cognition and Performance With Application to Human-Computer Interaction. Human-Computer Interaction, 1997, 12, 391-438.	3.1	486
4	A computational theory of executive cognitive processes and multiple-task performance: Part 2. Accounts of psychological refractory-period phenomena.. Psychological Review, 1997, 104, 749-791.	2.7	428
5	The Role of a Mental Model in Learning to Operate a Device*. Cognitive Science, 1984, 8, 255-273.	0.8	308
6	An approach to the formal analysis of user complexity. International Journal of Human Computer Studies, 1999, 51, 405-434.	3.7	215
7	Beyond pictures and words: Alternative information-processing models for imagery effect in verbal memory.. Psychological Bulletin, 1978, 85, 532-554.	5.5	206
8	The acquisition of procedures from text: A production-system analysis of transfer of training. Journal of Memory and Language, 1986, 25, 507-524.	1.1	150
9	The Acquisition and Performance of Text-Editing Skill: A Cognitive Complexity Analysis. Human-Computer Interaction, 1990, 5, 1-48.	3.1	149
10	Good and bad structure in simple paragraphs: Effects on apparent theme, reading time, and recal. Journal of Verbal Learning and Verbal Behavior, 1978, 17, 13-28.	3.8	120
11	Theoretical Implications of Articulatory Duration, Phonological Similarity, and Phonological Complexity in Verbal Working Memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2003, 29, 1353-1380.	0.7	116
12	Concurrent response-selection processes in dual-task performance: Evidence for adaptive executive control of task scheduling.. Journal of Experimental Psychology: Human Perception and Performance, 1999, 25, 791-814.	0.7	107
13	Initial mention as a signal to thematic content in technical passages. Memory and Cognition, 1980, 8, 345-353.	0.9	101
14	Component processes in the comprehension of simple prose. Journal of Verbal Learning and Verbal Behavior, 1981, 20, 1-23.	3.8	96
15	A Guide to GOMS Model Usability Evaluation using NGOMSL. , 1997, , 733-766.		82
16	Adaptive executive control: Flexible multiple-task performance without pervasive immutable response-selection bottlenecks. Acta Psychologica, 1995, 90, 163-190.	0.7	77
17	Ageing and the psychological refractory period: Task-coordination strategies in young and old adults.. Psychology and Aging, 2000, 15, 571-595.	1.4	75
18	Representation-saving effects of prior knowledge in memory for simple technical prose. Memory and Cognition, 1983, 11, 456-466.	0.9	45

#	ARTICLE	IF	CITATIONS
19	Enhancing listener strategies using a payoff matrix in speech-on-speech masking experiments. Journal of the Acoustical Society of America, 2015, 138, 1297-1304.	0.5	34
20	The persistent visual store as the locus of fixation memory in visual search tasks. Cognitive Systems Research, 2011, 12, 102-112.	1.9	32
21	Aging and the psychological refractory period: Task-coordination strategies in young and old adults.. Psychology and Aging, 2000, 15, 571-595.	1.4	32
22	Topicalization effects in cued recall of technical prose. Memory and Cognition, 1981, 9, 541-549.	0.9	31
23	The role of major referents and sentence topics in the construction of passage macrostructure— Discourse Processes, 1981, 4, 1-15.	1.1	29
24	Work-centered design. , 2007, , .		27
25	A validation of the GOMS model methodology in the development of a specialized, commercial software application. , 1994, , .		26
26	A generalized transition network representation for interactive systems. , 1983, , .		23
27	A quantitative model of the learning and performance of text editing knowledge. ACM SIGCHI Bulletin, 1985, 16, 207-212.	0.2	23
28	Transfer between text editors. , 1987, , .		21
29	Diagrammatic displays for engineered systems: effects on human performance in interacting with malfunctioning systems. International Journal of Man-Machine Studies, 1992, 36, 861-895.	0.7	21
30	Adapting GOMS to model human-robot interaction. , 2007, , .		17
31	GOMS modeling of user interfaces using NGOMSL. , 1994, , .		15
32	Task Analysis and the Design of Functionality. , 2014, , 33-1-33-26.		14
33	Towards demystification of direct manipulation. , 2001, , .		12
34	Finite automata and SâˆR models. Journal of Mathematical Psychology, 1976, 13, 127-147.	1.0	10
35	A general experiment programming system for the IBM 1800. Behavior Research Methods & Instrumentation, 1973, 5, 235-239.	0.3	8
36	The why, when, and how of cognitive simulation: A tutorial. Behavior Research Methods, 1985, 17, 279-285.	1.3	7

#	ARTICLE	IF	CITATIONS
37	Automating interface evaluation. , 1994, , .		5
38	Model-Based Evaluation. Human Factors and Ergonomics, 2009, , 293-310.	0.0	5
39	Effect of meaningfulness on judgments of computability. Memory and Cognition, 1975, 3, 349-355.	0.9	4
40	Transfer between text editors. ACM SIGCHI Bulletin, 1987, 18, 27-32.	0.2	4
41	A validation of the GOMS model methodology in the development of a specialized, commercial software application (abstract only). , 1994, , .		4
42	Control of Cognition. , 2007, , 327-355.		4
43	Staff programmer vs. system: The issues. Behavior Research Methods & Instrumentation, 1976, 8, 174-177.	0.3	3
44	The new face of procedural content. , 2008, , .		3
45	A Simulation Model for the Comprehension of Technical Prose. Psychology of Learning and Motivation - Advances in Research and Theory, 1983, 17, 39-80.	0.5	2
46	Transfer between text editors. ACM SIGCHI Bulletin, 1986, 17, 27-32.	0.2	2
47	The Potential for Modeling Human-Robot Interaction with GOMS. , 0, , .		1
48	TRANSFER BETWEEN SIMILAR MENU SYSTEMS. ACM SIGCHI Bulletin, 1988, 19, 63-65.	0.2	0
49	Cashing in the Chips: Applying Cognitive Theory to Human Factors Talk Abstract. Proceedings of the Human Factors Society Annual Meeting, 1991, 35, 434-434.	0.1	0
50	Panel on Complementary Methods of Modeling Team Performance. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1723-1727.	0.2	0
51	The Humanâ€™Computer Interface. PsycCritiques, 1987, 32, 435-436.	0.0	0