Allen Newell

List of Publications by Year
in descending order

36 papers	9,810 citations	279798 23 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	3114 citing authors

#	Article	IF	Citations
1	Computer science as empirical inquiry. Communications of the ACM, 1976, 19, 113-126.	4.5	1,827
2	The knowledge level. Artificial Intelligence, 1982, 18, 87-127.	5.8	1,817
3	SOAR: An architecture for general intelligence. Artificial Intelligence, 1987, 33, 1-64.	5.8	1,715
4	Physical Symbol Systems*. Cognitive Science, 1980, 4, 135-183.	1.7	1,086
5	Elements of a theory of human problem solving.. Psychological Review, 1958, 65, 151-166.	3.8	965
6	The Prospects for Psychological Science in Human-Computer Interaction. Human-Computer Interaction, 1985, 1, 209-242.	4.4	297
7	Chunking in Soar: The anatomy of a general learning mechanism. Machine Learning, 1986, 1, 11-46.	5.4	289
8	Computer text-editing: An information-processing analysis of a routine cognitive skill. Cognitive Psychology, 1980, 12, 32-74.	2.2	269
9	Chunking in Soar: The Anatomy of a General Learning Mechanism. Machine Learning, 1986, 1, 11-46.	5.4	262
10	Deduction as verbal reasoning.. Psychological Review, 1995, 102, 533-566.	3.8	238
11	The nature of the social agent*. Journal of Mathematical Sociology, 1994, 19, 221-262.	1.2	133
12	Physical symbol systems. Cognitive Science, 1980, 4, 135-183.	1.7	111
13	R1-Soar: An Experiment in Knowledge-Intensive Programming in a Problem-Solving Architecture. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 561-569.	13.9	79
14	Précis of <i>Unified theories of cognition</i>. Behavioral and Brain Sciences, 1992, 15, 425-437.	0.7	74
15	SOAR as a unified theory of cognition: Issues and explanations. Behavioral and Brain Sciences, 1992, 15, 464-492.	0.7	60
16	The problem of expensive chunks and its solution by restricting expressiveness. Machine Learning, 1990, 5, 299-348.	5.4	52
17	Predicting the time to recall computer command abbreviations. , 1987, , .		44
18	Reflections on the knowledge level. Artificial Intelligence, 1993, 59, 31-38.	5.8	36

#	Article	IF	Citations
19	Parallel implementation of OPS5 on the encore multiprocessor: Results and analysis. International Journal of Parallel Programming, 1988, 17, 95-124.	1.5	34
20	Some Chunks Are Expensive. , 1988, , 451-458.		34
21	Towards real-time GOMS: a model of expert behaviour in a highly interactive task. Behaviour and Information Technology, 1994, 13, 255-267.	4.0	33
22	The Problem of Expensive Chunks and its Solution by Restricting Expressiveness. Machine Learning, 1990, 5, 299-348.	5.4	30
23	Straightening Out Softening Up: Response to Carroll and Campbell. Human-Computer Interaction, 1986, 2, 251-267.	4.4	25
24	An Integrated Computational Model of Stimulus-Response Compatibility and Practice. Psychology of Learning and Motivation - Advances in Research and Theory, 1988, 21, 1-52.	1.1	24
25	Varieties of Learning in Soar: 1987. , 1987, , 300-311.		21
26	Remarks on the Relationship Between Artificial Intelligence and Cognitive Psychology. , 1970, , 363-400.		17
27	A theory of stimulus-response compatibility applied to human-computer interaction. , 1985, , .		15
28	The effectiveness of task-level parallelism for production systems. Journal of Parallel and Distributed Computing, 1991, 13, 395-411.	4.1	13
29	A theory of stimulus-response compatibility applied to human-computer interaction. ACM SIGCHI Bulletin, 1985, 16, 213-219.	0.1	9
30	Intelligent control of external software systems. Advanced Engineering Informatics, 1993, 8, 3-21.	0.5	7
31	Soar/PSM-E: investigating match parallelism in a learning production sytsem. ACM SIGPLAN Notices, 1988, 23, 146-160.	0.2	5
32	Predicting the time to recall computer command abbreviations. ACM SIGCHI Bulletin, 1987, 18, 33-40.	0.1	3
33	The intentional stance and the knowledge level. Behavioral and Brain Sciences, 1988, 11, 520.	0.7	3
34	A basis for action. Behavioral and Brain Sciences, 1981, 4, 633-634.	0.7	2
35	State-of-the-art constraints. Behavioral and Brain Sciences, 1978, 1, 111-111.	0.7	0
36	Predicting the time to recall computer command abbreviations. ACM SIGCHI Bulletin, 1986, 17, 33-40.	0.1	0