

Herbert A Simon

List of Publications by Year in descending order

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180
papers

54,581
citations

7069

78
h-index

6282

158
g-index

188
all docs

188
docs citations

188
times ranked

22043
citing authors

#	ARTICLE	IF	CITATIONS
1	Satisficing. , 2018, , 11933-11935.		1
2	Behavioural Economics. , 2018, , 846-853.		2
3	Satisficing. , 2008, , 1-3.		4
4	Darwinism, altruism and economics. , 2005, , 87-104.		13
5	IFORS' Operational Research Hall of Fame. International Transactions in Operational Research, 2004, 11, 479-484.	1.8	1
6	Complex Systems: The Interplay of Organizations and Markets in Contemporary Society. Computational and Mathematical Organization Theory, 2001, 7, 79-85.	1.5	19
7	What Have Psychologists (And Others) Discovered About the Process of Scientific Discovery?. Current Directions in Psychological Science, 2001, 10, 75-79.	2.8	35
8	Five Seconds or Sixty? Presentation Time in Expert Memory. Cognitive Science, 2000, 24, 651-682.	0.8	178
9	Bounded rationality in social science: Today and tomorrow. Mind and Society, 2000, 1, 25-39.	0.9	329
10	Perspectives on Learning, Thinking, and Activity. Educational Researcher, 2000, 29, 11-13.	3.3	208
11	Barriers and bounds to Rationality. Structural Change and Economic Dynamics, 2000, 11, 243-253.	2.1	31
12	A study of how individuals solve complex and ill-structured problems. Policy Sciences, 1999, 32, 225-245.	1.5	69
13	Cognitive modeling in perspective. Kognitionswissenschaft, 1999, 8, 1-4.	0.4	9
14	Studies of scientific discovery: Complementary approaches and convergent findings.. Psychological Bulletin, 1999, 125, 524-543.	5.5	265
15	Cognitive modeling in perspective. Kognitionswissenschaft, 1999, 8, 1-4.	0.4	10
16	Information Technology Research. Science, 1999, 285, 1849-1849.	6.0	5
17	Discovering Explanations. Minds and Machines, 1998, 8, 7-37.	2.7	8
18	Human and Machine Interpretation of Expressions in Formal Systems. Synthese, 1998, 116, 439-461.	0.6	0

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19	Pattern recognition makes search possible: Comments on Holding (1992). <i>Psychological Research</i> , 1998, 61, 204-208.	1.0	30
20	How to Study Thinking in Everyday Life: Contrasting Think-Aloud Protocols With Descriptions and Explanations of Thinking. <i>Mind, Culture, and Activity</i> , 1998, 5, 178-186.	1.1	405
21	Expert Chess Memory: Revisiting the Chunking Hypothesis. <i>Memory</i> , 1998, 6, 225-255.	0.9	221
22	What We Know About Learning*. <i>Journal of Engineering Education</i> , 1998, 87, 343-348.	1.9	32
23	Goals, Representations, and Strategies in a Concept Attainment Task: the EPAM Model. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 1997, 37, 265-290.	0.5	18
24	On the possibility of accurate public prediction. <i>Journal of Socio-Economics</i> , 1997, 26, 127-132.	1.0	7
25	Scientific discovery and simplicity of method. <i>Artificial Intelligence</i> , 1997, 91, 177-181.	3.9	41
26	Collaborative Discovery in a Scientific Domain. <i>Cognitive Science</i> , 1997, 21, 109-146.	0.8	184
27	CaMeRa: A Computational Model of Multiple Representations. <i>Cognitive Science</i> , 1997, 21, 305-350.	0.8	96
28	Logic and Thought. <i>Minds and Machines</i> , 1997, 7, 365-385.	2.7	6
29	The future of information systems. <i>Annals of Operations Research</i> , 1997, 71, 3-14.	2.6	14
30	Situated Learning and Education. <i>Educational Researcher</i> , 1996, 25, 5-11.	3.3	889
31	Recall of random and distorted chess positions: Implications for the theory of expertise. <i>Memory and Cognition</i> , 1996, 24, 493-503.	0.9	136
32	Recall of rapidly presented random chess positions is a function of skill. <i>Psychonomic Bulletin and Review</i> , 1996, 3, 159-163.	1.4	190
33	Templates in Chess Memory: A Mechanism for Recalling Several Boards. <i>Cognitive Psychology</i> , 1996, 31, 1-40.	0.9	451
34	The Roles of Recognition Processes and Look-Ahead Search in Time-Constrained Expert Problem Solving: Evidence From Grand-Master-Level Chess. <i>Psychological Science</i> , 1996, 7, 52-55.	1.8	160
35	Simulation of expert memory using EPAM IV.. <i>Psychological Review</i> , 1995, 102, 305-330.	2.7	144
36	Artificial intelligence: an empirical science. <i>Artificial Intelligence</i> , 1995, 77, 95-127.	3.9	169

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37	Rationality in Political Behavior. Political Psychology, 1995, 16, 45.	2.2	169
38	Internal representation and rule development in object-oriented design. ACM Transactions on Computer-Human Interaction, 1995, 2, 357-390.	4.6	17
39	Foreword papers in honor of chester I. Barnard. International Journal of Public Administration, 1994, 17, 1021-1031.	1.4	6
40	Causality and model abstraction. Artificial Intelligence, 1994, 67, 143-194.	3.9	165
41	Reply to Touretzky and Pomerleau: Reconstructing Physical Symbol Systems. Cognitive Science, 1994, 18, 355-360.	0.8	9
42	Die Psychologie des Denkens. Computerkultur, 1994, , 46-73.	0.0	0
43	Strategy and organizational evolution. Strategic Management Journal, 1993, 14, 131-142.	4.7	210
44	Situated Action: A Symbolic Interpretation. Cognitive Science, 1993, 17, 7-48.	0.8	425
45	Situated Action: Reply to Reviewers. Cognitive Science, 1993, 17, 77-86.	0.8	19
46	Situated Action: Reply to William Clancey. Cognitive Science, 1993, 17, 117-133.	0.8	52
47	Fitness Requirements for Scientific Theories Containing Recursive Theoretical Terms. British Journal for the Philosophy of Science, 1993, 44, 641-652.	1.4	16
48	The State of American Political Science: Professor Lowi's View of Our Discipline. PS - Political Science and Politics, 1993, 26, 49-51.	0.3	8
49	Causality in Bayesian Belief Networks. , 1993, , 3-11.		53
50	Scientific discovery as problem solving. International Studies in the Philosophy of Science, 1992, 6, 3-14.	0.2	23
51	Scientific discovery as problem solving: Reply to critics. International Studies in the Philosophy of Science, 1992, 6, 69-88.	0.2	8
52	Chapter 1 The game of chess. Handbook of Game Theory With Economic Applications, 1992, 1, 1-17.	1.3	28
53	What is an "Explanation" of Behavior?. Psychological Science, 1992, 3, 150-161.	1.8	367
54	DIRECTIONS FOR QUALITATIVE REASONING. Computational Intelligence, 1992, 8, 308-315.	2.1	1

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55	THE RIGHT REPRESENTATION FOR DISCOVERY: FINDING THE CONSERVATION OF MOMENTUM. , 1992, , 62-71.		9
56	Organizations and Markets. Journal of Economic Perspectives, 1991, 5, 25-44.	2.7	1,153
57	Nonmonotonic Reasoning and Causation: Comment. Cognitive Science, 1991, 15, 293-300.	0.8	38
58	Bounded Rationality and Organizational Learning. Organization Science, 1991, 2, 125-134.	3.0	2,142
59	<i>Response</i> : Altruism: Docility or Group Identification?. Science, 1991, 252, 192-192.	6.0	7
60	In search of insight. Cognitive Psychology, 1990, 22, 374-419.	0.9	506
61	What makes some problems really hard: Explorations in the problem space of difficulty. Cognitive Psychology, 1990, 22, 143-183.	0.9	129
62	Laboratory Replication of Scientific Discovery Processes. Cognitive Science, 1990, 14, 281-312.	0.8	126
63	Prediction and Prescription in Systems Modeling. Operations Research, 1990, 38, 7-14.	1.2	118
64	A mechanism for social selection and successful altruism. Science, 1990, 250, 1665-1668.	6.0	709
65	Invariants of Human Behavior. Annual Review of Psychology, 1990, 41, 1-20.	9.9	1,416
66	Causality in Device Behavior. , 1990, , 631-645.		1
67	ECHO and STAHL: On the theory of combustion. Behavioral and Brain Sciences, 1989, 12, 487-487.	0.4	1
68	Context effects in letter perception: Comparison of two theories.. Psychological Review, 1989, 96, 417-432.	2.7	82
69	The Role of Experimentation in Scientific Theory Revision. , 1989, , 278-283.		4
70	Normative systems of discovery and logic of search. Synth�se, 1988, 74, 65-90.	0.6	22
71	Causal ordering, comparative statics, and near decomposability. Journal of Econometrics, 1988, 39, 149-173.	3.5	38
72	The Processes of Scientific Discovery: The Strategy of Experimentation. Cognitive Science, 1988, 12, 139-175.	0.8	293

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73	Creativity and motivation: A response to Csikszentmihalyi. <i>New Ideas in Psychology</i> , 1988, 6, 177-181.	1.2	40
74	THE MIND'S EYE IN CHESS. , 1988, , 461-494.		6
75	Learning Mathematics From Examples and by Doing. <i>Cognition and Instruction</i> , 1987, 4, 137-166.	1.9	254
76	Two Heads Are Better than One: The Collaboration between AI and OR. <i>Interfaces</i> , 1987, 17, 8-15.	1.6	105
77	Why a Diagram is (Sometimes) Worth Ten Thousand Words. <i>Cognitive Science</i> , 1987, 11, 65-100.	0.8	2,385
78	Why a Diagram is (Sometimes) Worth Ten Thousand Words. , 1987, 11, 65.		209
79	Satisficing. , 1987, , 1-3.		26
80	Behavioural Economics. , 1987, , 1-9.		21
81	A theory of historical discovery: The construction of componential models. <i>Machine Learning</i> , 1986, 1, 107-137.	3.4	66
82	The information processing explanation of Gestalt phenomena. <i>Computers in Human Behavior</i> , 1986, 2, 241-255.	5.1	79
83	A Theory of Historical Discovery: The Construction of Componential Models. <i>Machine Learning</i> , 1986, 1, 107-137.	3.4	32
84	The Role of Attention in Cognition. , 1986, , 105-115.		12
85	Causality in device behavior. <i>Artificial Intelligence</i> , 1986, 29, 3-32.	3.9	271
86	My Life Philosophy. <i>American economist</i> , The, 1985, 29, 15-20.	0.5	4
87	STM capacity for Chinese words and idioms: Chunking and acoustical loop hypotheses. <i>Memory and Cognition</i> , 1985, 13, 193-201.	0.9	240
88	STM capacity for Chinese and English language materials. <i>Memory and Cognition</i> , 1985, 13, 202-207.	0.9	40
89	Quantification of Theoretical Terms and the Falsifiability of Theories. <i>British Journal for the Philosophy of Science</i> , 1985, 36, 291-298.	1.4	11
90	Human Nature in Politics: The Dialogue of Psychology with Political Science. <i>American Political Science Review</i> , 1985, 79, 293-304.	2.6	1,102

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91	EPAM-like Models of Recognition and Learning*. Cognitive Science, 1984, 8, 305-336.	0.8	96
92	On the behavioral and rational foundations of economic dynamics. Journal of Economic Behavior and Organization, 1984, 5, 35-55.	1.0	133
93	Computer modeling of scientific and mathematical discovery processes. Bulletin of the American Mathematical Society, 1984, 11, 247-262.	0.8	25
94	The behavioral approach: With emphasis on economics. Systems Research and Behavioral Science, 1983, 28, 95-108.	0.2	23
95	Fitness Requirements for Scientific Theories. British Journal for the Philosophy of Science, 1983, 34, 355-365.	1.4	8
96	The rural-urban population balance again. Regional Science and Urban Economics, 1982, 12, 599-606.	1.4	17
97	Scientific discovery as problem solving. Synthese, 1981, 47, 1-27.	0.6	108
98	Information-processing models of cognition. Journal of the Association for Information Science and Technology, 1981, 32, 364-377.	1.2	23
99	Cognitive Science: The Newest Science of the Artificial*. Cognitive Science, 1980, 4, 33-46.	0.8	176
100	Models of Competence in Solving Physics Problems*. Cognitive Science, 1980, 4, 317-345.	0.8	374
101	Information Processing Models of Cognition. Annual Review of Psychology, 1979, 30, 363-396.	9.9	420
102	The theory of learning by doing.. Psychological Review, 1979, 86, 124-140.	2.7	521
103	On Parsimonious Explanations of Production Relations. Scandinavian Journal of Economics, 1979, 81, 459.	0.7	96
104	Phenomenological reports as data. Behavioral and Brain Sciences, 1979, 2, 601-602.	0.4	0
105	The analysis of complex socioeconomic systems. Journal of Comparative Economics, 1978, 2, 394-396.	1.1	2
106	The Logic of Heuristic Decision Making. Boston Studies in the Philosophy and History of Science, 1977, , 154-175.	0.4	23
107	Models of Discovery. Boston Studies in the Philosophy and History of Science, 1977, , .	0.4	390
108	Problem Solving in Semantically Rich Domains: An Example from Engineering Thermodynamics*. Cognitive Science, 1977, 1, 193-215.	0.8	128

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109	Modeling semantic memory: Effects of presenting semantic information in different modalities. <i>Cognitive Psychology</i> , 1977, 9, 293-325.	0.9	41
110	Does Scientific Discovery Have a Logic?. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 326-337.	0.4	37
111	On Judging the Plausibility of Theories. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 25-45.	0.4	22
112	Causal Ordering and Identifiability. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 53-80.	0.4	93
113	Spurious Correlation: A Causal Interpretation. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 93-106.	0.4	1
114	Thinking by Computers. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 268-285.	0.4	1
115	Definable Terms and Primitives in Axiom Systems. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 376-386.	0.4	1
116	Entscheidung und Rationalität. , 1977, , 9-75.		1
117	On the Nature of Understanding. , 1977, , 199-216.		1
118	A Note on Almost-Everywhere Definability. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 387-387.	0.4	0
119	Ramsey Eliminability and the Testability of Scientific Theories. <i>Boston Studies in the Philosophy and History of Science</i> , 1977, , 403-421.	0.4	0
120	Identifiability and the Status of Theoretical Terms. , 1977, , 43-61.		1
121	Computer science as empirical inquiry. <i>Communications of the ACM</i> , 1976, 19, 113-126.	3.3	1,827
122	From substantive to procedural rationality. , 1976, , 129-148.		484
123	Modeling strategy shifts in a problem-solving task. <i>Cognitive Psychology</i> , 1976, 8, 86-97.	0.9	110
124	The understanding process: Problem isomorphs. <i>Cognitive Psychology</i> , 1976, 8, 165-190.	0.9	297
125	From substantive to procedural rationality. , 1976, , 65-86.		319
126	The functional equivalence of problem solving skills. <i>Cognitive Psychology</i> , 1975, 7, 268-288.	0.9	594

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127	Retention of visually presented information in children's spelling. <i>Memory and Cognition</i> , 1975, 3, 599-608.	0.9	12
128	Processes for sequence production.. <i>Psychological Review</i> , 1974, 81, 187-198.	2.7	66
129	The structure of ill structured problems. <i>Artificial Intelligence</i> , 1973, 4, 181-201.	3.9	1,767
130	Perception in chess. <i>Cognitive Psychology</i> , 1973, 4, 55-81.	0.9	3,795
131	Empirical tests of a theory of human acquisition of concepts for sequential patterns. <i>Cognitive Psychology</i> , 1973, 4, 399-424.	0.9	179
132	A simulation of memory for chess positions. <i>Cognitive Psychology</i> , 1973, 5, 29-46.	0.9	362
133	Alternative Uses of Phonemic Information in Spelling. <i>Review of Educational Research</i> , 1973, 43, 115-137.	4.3	71
134	RAMSEY ELIMINABILITY AND THE TESTABILITY OF SCIENTIFIC THEORIES. <i>British Journal for the Philosophy of Science</i> , 1973, 24, 367-380.	1.4	17
135	Does Scientific Discovery Have a Logic?. <i>Philosophy of Science</i> , 1973, 40, 471-480.	0.5	161
136	THE MIND'S EYE IN CHESS. , 1973, , 215-281.		847
137	Complexity and the representation of patterned sequences of symbols.. <i>Psychological Review</i> , 1972, 79, 369-382.	2.7	205
138	Human problem solving: The state of the theory in 1970.. <i>American Psychologist</i> , 1971, 26, 145-159.	3.8	347
139	The Axiomatization of Physical Theories. <i>Philosophy of Science</i> , 1970, 37, 16-26.	0.5	46
140	Information-processing analysis of perceptual processes in problem solving.. <i>Psychological Review</i> , 1969, 76, 473-483.	2.7	128
141	Motivational and emotional controls of cognition.. <i>Psychological Review</i> , 1967, 74, 29-39.	2.7	1,177
142	AN INFORMATION-PROCESSING EXPLANATION OF SOME PERCEPTUAL PHENOMENA*. <i>British Journal of Psychology</i> , 1967, 58, 1-12.	1.2	24
143	An information-processing explanation of one-trial and incremental learning. <i>Journal of Verbal Learning and Verbal Behavior</i> , 1967, 6, 780-787.	3.8	26
144	Cause and Counterfactual. <i>Philosophy of Science</i> , 1966, 33, 323-340.	0.5	134

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145	THE LOGIC OF RATIONAL DECISION. British Journal for the Philosophy of Science, 1965, 16, 169-186.	1.4	48
146	An information-processing theory of some effects of similarity, familiarization, and meaningfulness in verbal learning. Journal of Verbal Learning and Verbal Behavior, 1964, 3, 385-396.	3.8	125
147	A Note on the Cobb-Douglas Function. Review of Economic Studies, 1963, 30, 93.	2.9	70
148	Human acquisition of concepts for sequential patterns.. Psychological Review, 1963, 70, 534-546.	2.7	349
149	Some monte carlo estimates of the yule distribution. Systems Research and Behavioral Science, 1963, 8, 203-210.	0.2	18
150	A THEORY OF THE SERIAL POSITION EFFECT. British Journal of Psychology, 1962, 53, 307-320.	1.2	173
151	A note on mathematical models for learning. Psychometrika, 1962, 27, 417-418.	1.2	10
152	Trial and error search in solving difficult problems: Evidence from the game of chess. Systems Research and Behavioral Science, 1962, 7, 425-429.	0.2	35
153	Reply to "œfinal note" by Benoit Mandelbrot. Information and Control, 1961, 4, 217-223.	1.3	9
154	Reply to Dr. Mandelbrot's post scriptum. Information and Control, 1961, 4, 305-308.	1.3	10
155	Comment: The meaning and uses of models. SynthÅse, 1961, 13, 173-174.	0.6	1
156	Aggregation of Variables in Dynamic Systems. Econometrica, 1961, 29, 111.	2.6	503
157	Some further notes on a class of skew distribution functions. Information and Control, 1960, 3, 80-88.	1.3	111
158	Definable Terms and Primitives in Axiom Systems. Studies in Logic and the Foundations of Mathematics, 1959, 27, 443-453.	0.2	7
159	Elements of a theory of human problem solving.. Psychological Review, 1958, 65, 151-166.	2.7	965
160	Selective Perception: A Note on the Departmental Identifications of Executives. Sociometry, 1958, 21, 140.	0.9	887
161	Heuristic Problem Solving: The Next Advance in Operations Research. Operations Research, 1958, 6, 1-10.	1.2	379
162	The Compensation of Executives. Sociometry, 1957, 20, 32.	0.9	286

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163	Amounts of fixation and discovery in maze learning behavior. <i>Psychometrika</i> , 1957, 22, 261-268.	1.2	16
164	Dynamic Programming Under Uncertainty with a Quadratic Criterion Function. <i>Econometrica</i> , 1956, 24, 74.	2.6	391
165	A comparison of game theory and learning theory. <i>Psychometrika</i> , 1956, 21, 267-272.	1.2	84
166	Some properties of optimal linear filters. <i>Quarterly of Applied Mathematics</i> , 1955, 12, 438-440.	0.5	3
167	ON A CLASS OF SKEW DISTRIBUTION FUNCTIONS. <i>Biometrika</i> , 1955, 42, 425-440.	1.3	1,900
168	A Behavioral Model of Rational Choice. <i>Quarterly Journal of Economics</i> , 1955, 69, 99.	3.8	9,617
169	Prediction and Hindsight as Confirmatory Evidence. <i>Philosophy of Science</i> , 1955, 22, 227-230.	0.5	16
170	The Axiomatization of Classical Mechanics. <i>Philosophy of Science</i> , 1954, 21, 340-343.	0.5	24
171	Bandwagon and Underdog Effects and the Possibility of Election Predictions. <i>Public Opinion Quarterly</i> , 1954, 18, 245.	0.9	234
172	Spurious Correlation: A Causal Interpretation*. <i>Journal of the American Statistical Association</i> , 1954, 49, 467-479.	1.8	259
173	Spurious Correlation: A Causal Interpretation. <i>Journal of the American Statistical Association</i> , 1954, 49, 467.	1.8	241
174	Comments on the Seminar Report. <i>American Political Science Review</i> , 1953, 47, 658-675.	2.6	4
175	A Formal Theory of Interaction in Social Groups. <i>American Sociological Review</i> , 1952, 17, 202.	2.8	70
176	Comments on the Theory of Organizations. <i>American Political Science Review</i> , 1952, 46, 1130-1139.	2.6	71
177	On the Definition of the Causal Relation. <i>The Journal of Philosophy</i> , 1952, 49, 517.	0.3	130
178	Note: Some Conditions of Macroeconomic Stability. <i>Econometrica</i> , 1949, 17, 245.	2.6	269
179	XCIII. The axioms of Newtonian mechanics. <i>The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science</i> , 1947, 38, 888-905.	1.5	20
180	Effects of Increased Productivity upon the Ratio of Urban to Rural Population. <i>Econometrica</i> , 1947, 15, 31.	2.6	59