Ernest S Davis

List of Publications by Year
in descending order

32	810	687363 13	526287 27
papers	citations	h-index	g-index

32	32	32	579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commonsense reasoning and commonsense knowledge in artificial intelligence. Communications of the ACM, 2015, 58, 92-103.	4.5	294
2	How Robust Are Probabilistic Models of Higher-Level Cognition?. Psychological Science, 2013, 24, 2351-2360.	3.3	114
3	The scope and limits of simulation in automated reasoning. Artificial Intelligence, 2016, 233, 60-72.	5.8	57
4	Processes and continuous change in a SAT-based planner. Artificial Intelligence, 2005, 166, 194-253.	5.8	47
5	Pouring liquids: A study in commonsense physical reasoning. Artificial Intelligence, 2008, 172, 1540-1578.	5.8	29
6	Constraint Networks of Topological Relations and Convexity. Constraints, 1999, 4, 241-280.	0.7	26
7	How to Write Science Questions that Are Easy for People and Hard for Computers. AI Magazine, 2016, 37, 13-22.	1.6	25
8	How does a box work? A study in the qualitative dynamics of solid objects. Artificial Intelligence, 2011, 175, 299-345.	5.8	21
9	Ethical guidelines for a superintelligence. Artificial Intelligence, 2015, 220, 121-124.	5.8	19
10	Knowledge Preconditions for Plans. Journal of Logic and Computation, 1994, 4, 721-766.	0.8	18
11	A logical framework for commonsense predictions of solid object behaviour. Advanced Engineering Informatics, 1988, 3, 125-140.	0.5	16
12	The Expressivity of Quantifying over Regions. Journal of Logic and Computation, 2006, 16, 891-916.	0.8	16
13	Broken Physics: A Conjunction-Fallacy Effect in Intuitive Physical Reasoning. Psychological Science, 2020, 31, 1602-1611.	3.3	16
14	Commonsense reasoning about containers using radically incomplete information. Artificial Intelligence, 2017, 248, 46-84.	5.8	15
15	The kinematics of cutting solid objects. Annals of Mathematics and Artificial Intelligence, 1993, 9, 253-305.	1.3	13
16	Knowledge and communication: A first-order theory. Artificial Intelligence, 2005, 166, 81-139.	5.8	13
17	A First-order Theory of Communication and Multi-agent Plans. Journal of Logic and Computation, 2005, 15, 701-749.	0.8	13
18	Limits on simulation approaches in intuitive physics. Cognitive Psychology, 2021, 127, 101396.	2.2	13

#	Article	IF	Citations
19	Qualitative Spatial Reasoning in Interpreting Text and Narrative. Spatial Cognition and Computation, 2013, 13, 264-294.	1.2	12
20	Computational limits don't fully explain human cognitive limitations. Behavioral and Brain Sciences, 2020, 43, e7.	0.7	6
21	Chapter 14 Physical Reasoning. Foundations of Artificial Intelligence, 2008, , 597-620.	0.9	5
22	Qualitative Reasoning and Spatio-Temporal Continuity. Advances in Geospatial Technologies Book Series, 2012, , 97-146.	0.2	5
23	Causal generative models are just a start. Behavioral and Brain Sciences, 2017, 40, e262.	0.7	4
24	Unanswerable Questions About Images and Texts. Frontiers in Artificial Intelligence, 2020, 3, 51.	3.4	4
25	Space, Language, and Ontology: A Response to Bateman. Spatial Cognition and Computation, 2013, 13, 315-318.	1.2	3
26	Two machine learning textbooks: An instructor's perspective. Artificial Intelligence, 2001, 131, 191-198.	5.8	2
27	Algorithms and everyday life. Artificial Intelligence, 2016, 239, 1-6.	5.8	2
28	Semantics for tasks that can be interrupted or abandoned. , 1992, , 37-44.		2
29	The expressive power of first-order topological languages. Journal of Logic and Computation, 2013, 23, 1107-1141.	0.8	0
30	A Qualitative Calculus for Three-Dimensional Rotations. Spatial Cognition and Computation, 2014, 14, 18-57.	1.2	0
31	Does the world look different in different languages?. Artificial Intelligence, 2015, 229, 202-209.	5.8	0
32	Proof Verification Technology and Elementary Physics. Fields Institute Communications, 2019, , 81-132.	1.3	0