

Ernest S Davis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9485389/publications.pdf>

Version: 2024-02-01

32
papers

810
citations

687363

13
h-index

526287

27
g-index

32
all docs

32
docs citations

32
times ranked

579
citing authors

#	ARTICLE	IF	CITATIONS
1	Limits on simulation approaches in intuitive physics. <i>Cognitive Psychology</i> , 2021, 127, 101396.	2.2	13
2	Unanswerable Questions About Images and Texts. <i>Frontiers in Artificial Intelligence</i> , 2020, 3, 51.	3.4	4
3	Broken Physics: A Conjunction-Fallacy Effect in Intuitive Physical Reasoning. <i>Psychological Science</i> , 2020, 31, 1602-1611.	3.3	16
4	Computational limits don't fully explain human cognitive limitations. <i>Behavioral and Brain Sciences</i> , 2020, 43, e7.	0.7	6
5	Proof Verification Technology and Elementary Physics. <i>Fields Institute Communications</i> , 2019, , 81-132.	1.3	0
6	Commonsense reasoning about containers using radically incomplete information. <i>Artificial Intelligence</i> , 2017, 248, 46-84.	5.8	15
7	Causal generative models are just a start. <i>Behavioral and Brain Sciences</i> , 2017, 40, e262.	0.7	4
8	How to Write Science Questions that Are Easy for People and Hard for Computers. <i>AI Magazine</i> , 2016, 37, 13-22.	1.6	25
9	Algorithms and everyday life. <i>Artificial Intelligence</i> , 2016, 239, 1-6.	5.8	2
10	The scope and limits of simulation in automated reasoning. <i>Artificial Intelligence</i> , 2016, 233, 60-72.	5.8	57
11	Does the world look different in different languages?. <i>Artificial Intelligence</i> , 2015, 229, 202-209.	5.8	0
12	Ethical guidelines for a superintelligence. <i>Artificial Intelligence</i> , 2015, 220, 121-124.	5.8	19
13	Commonsense reasoning and commonsense knowledge in artificial intelligence. <i>Communications of the ACM</i> , 2015, 58, 92-103.	4.5	294
14	A Qualitative Calculus for Three-Dimensional Rotations. <i>Spatial Cognition and Computation</i> , 2014, 14, 18-57.	1.2	0
15	Space, Language, and Ontology: A Response to Bateman. <i>Spatial Cognition and Computation</i> , 2013, 13, 315-318.	1.2	3
16	The expressive power of first-order topological languages. <i>Journal of Logic and Computation</i> , 2013, 23, 1107-1141.	0.8	0
17	How Robust Are Probabilistic Models of Higher-Level Cognition?. <i>Psychological Science</i> , 2013, 24, 2351-2360.	3.3	114
18	Qualitative Spatial Reasoning in Interpreting Text and Narrative. <i>Spatial Cognition and Computation</i> , 2013, 13, 264-294.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Qualitative Reasoning and Spatio-Temporal Continuity. Advances in Geospatial Technologies Book Series, 2012, , 97-146.	0.2	5
20	How does a box work? A study in the qualitative dynamics of solid objects. Artificial Intelligence, 2011, 175, 299-345.	5.8	21
21	Pouring liquids: A study in commonsense physical reasoning. Artificial Intelligence, 2008, 172, 1540-1578.	5.8	29
22	Chapter 14 Physical Reasoning. Foundations of Artificial Intelligence, 2008, , 597-620.	0.9	5
23	The Expressivity of Quantifying over Regions. Journal of Logic and Computation, 2006, 16, 891-916.	0.8	16
24	Processes and continuous change in a SAT-based planner. Artificial Intelligence, 2005, 166, 194-253.	5.8	47
25	Knowledge and communication: A first-order theory. Artificial Intelligence, 2005, 166, 81-139.	5.8	13
26	A First-order Theory of Communication and Multi-agent Plans. Journal of Logic and Computation, 2005, 15, 701-749.	0.8	13
27	Two machine learning textbooks: An instructor's perspective. Artificial Intelligence, 2001, 131, 191-198.	5.8	2
28	Constraint Networks of Topological Relations and Convexity. Constraints, 1999, 4, 241-280.	0.7	26
29	Knowledge Preconditions for Plans. Journal of Logic and Computation, 1994, 4, 721-766.	0.8	18
30	The kinematics of cutting solid objects. Annals of Mathematics and Artificial Intelligence, 1993, 9, 253-305.	1.3	13
31	Semantics for tasks that can be interrupted or abandoned. , 1992, , 37-44.		2
32	A logical framework for commonsense predictions of solid object behaviour. Advanced Engineering Informatics, 1988, 3, 125-140.	0.5	16