

# Ariel Felner

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,126  
citations

759190

12  
h-index

477281

29  
g-index

41  
all docs

41  
docs citations

41  
times ranked

487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conflict-based search for optimal multi-agent pathfinding. <i>Artificial Intelligence</i> , 2015, 219, 40-66.	5.8	475
2	The increasing cost tree search for optimal multi-agent pathfinding. <i>Artificial Intelligence</i> , 2013, 195, 470-495.	5.8	152
3	Disjoint pattern database heuristics. <i>Artificial Intelligence</i> , 2002, 134, 9-22.	5.8	115
4	Inconsistent heuristics in theory and practice. <i>Artificial Intelligence</i> , 2011, 175, 1570-1603.	5.8	42
5	Multi-Agent Path Finding for Large Agents. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 7627-7634.	4.9	42
6	KBFS: K-Best-First Search. <i>Annals of Mathematics and Artificial Intelligence</i> , 2003, 39, 19-39.	1.3	38
7	Maximizing over multiple pattern databases speeds up heuristic search. <i>Artificial Intelligence</i> , 2006, 170, 1123-1136.	5.8	29
8	Duality in permutation state spaces and the dual search algorithm. <i>Artificial Intelligence</i> , 2008, 172, 514-540.	5.8	23
9	MM: A bidirectional search algorithm that is guaranteed to meet in the middle. <i>Artificial Intelligence</i> , 2017, 252, 232-266.	5.8	23
10	Conflict-Oriented Windowed Hierarchical Cooperative A*, 2014, , .		20
11	Potential-based bounded-cost search and Anytime Non-Parametric $A^*$ . <i>Artificial Intelligence</i> , 2014, 214, 1-25.	5.8	20
12	Finding optimal solutions to the graph partitioning problem with heuristic search. <i>Annals of Mathematics and Artificial Intelligence</i> , 2005, 45, 293-322.	1.3	17
13	Multi-agent Physical A* with Large Pheromones. <i>Autonomous Agents and Multi-Agent Systems</i> , 2006, 12, 3-34.	2.1	12
14	Bandit Algorithms for Social Network Queries. , 2013, , .		11
15	PHA*. , 2002, , .		9
16	Distributed navigation in an unknown physical environment. , 2006, , .		9
17	Finding patterns in an unknown graph. <i>AI Communications</i> , 2012, 25, 229-256.	1.2	6
18	IDB-ADOPT: A Depth-First Search DCOP Algorithm. <i>Lecture Notes in Computer Science</i> , 2009, , 132-146.	1.3	6

#	ARTICLE	IF	CITATIONS
19	The MP-MIX Algorithm: Dynamic Search Strategy Selection in Multiplayer Adversarial Search. IEEE Transactions on Games, 2011, 3, 316-331.	1.4	5
20	Predicting optimal solution cost with conditional probabilities. Annals of Mathematics and Artificial Intelligence, 2014, 72, 267-295.	1.3	5
21	Repeated-task Canadian Traveler Problem. AI Communications, 2015, 28, 453-477.	1.2	5
22	Rational deployment of multiple heuristics in optimal state-space search. Artificial Intelligence, 2018, 256, 181-210.	5.8	5
23	Combining Perimeter Search and Pattern Database Abstractions. , 2007, , 155-168.		5
24	Searching for close alternative plans. Autonomous Agents and Multi-Agent Systems, 2007, 14, 211-237.	2.1	4
25	Predicting optimal solution costs with bidirectional stratified sampling in regular search spaces. Artificial Intelligence, 2016, 230, 51-73.	5.8	4
26	Enriching Non-Parametric Bidirectional Search Algorithms. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 2379-2386.	4.9	4
27	Utility-based multi-agent system for performing repeated navigation tasks. , 2005, , .		3
28	Optimally solving permutation sorting problems with efficient partial expansion bidirectional heuristic search. AI Communications, 2016, 29, 513-536.	1.2	3
29	New Goal Recognition Algorithms Using Attack Graphs. Lecture Notes in Computer Science, 2019, , 260-278.	1.3	3
30	Blockage Detection in Pawn Endings. Lecture Notes in Computer Science, 2006, , 187-201.	1.3	3
31	Large Pheromones: A Case Study with Multi-agent Physical A*. Lecture Notes in Computer Science, 2004, , 366-373.	1.3	3
32	Integration of Independence Detection into SAT-based Optimal Multi-Agent Path Finding - A Novel SAT-based Optimal MAPF Solver. , 2017, , .		3
33	Heuristic search for one-to-many shortest path queries. Annals of Mathematics and Artificial Intelligence, 2021, 89, 1175-1214.	1.3	3
34	Searching for an alternative plan. , 2003, , .		1
35	The Israeli AI Community. AI Magazine, 2016, 37, 118-122.	1.6	1
36	The Fifth Annual Symposium on Combinatorial Search. AI Communications, 2014, 27, 327-328.	1.2	0

#	ARTICLE	IF	CITATIONS
37	The compressed differential heuristic. <i>AI Communications</i> , 2017, 30, 393-418.	1.2	0
38	Target oriented network intelligence collection: effective exploration of social networks. <i>World Wide Web</i> , 2019, 22, 1447-1480.	4.0	0
39	Variants of Independence Detection in SAT-Based Optimal Multi-agent Path Finding. <i>Lecture Notes in Computer Science</i> , 2018, , 116-136.	1.3	0