

# William M Spears

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11445785/publications.pdf>

Version: 2024-02-01

19  
papers

1,269  
citations

933447

10  
h-index

996975

15  
g-index

22  
all docs

22  
docs citations

22  
times ranked

864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed, Physics-Based Control of Swarms of Vehicles. <i>Autonomous Robots</i> , 2004, 17, 137-162.	4.8	305
2	A formal analysis of the role of multi-point crossover in genetic algorithms. <i>Annals of Mathematics and Artificial Intelligence</i> , 1992, 5, 1-26.	1.3	204
3	Using Genetic Algorithms for Concept Learning. <i>Machine Learning</i> , 1993, 13, 161-188.	5.4	163
4	Crossover or Mutation?. <i>Foundations of Genetic Algorithms</i> , 1993, , 221-237.	0.6	101
5	A unified prediction of computer virus spread in connected networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 297, 261-266.	2.1	92
6	An Overview of Physicomimetics. <i>Lecture Notes in Computer Science</i> , 2005, , 84-97.	1.3	63
7	Evolutionary Algorithms. <i>Natural Computing Series</i> , 2000, , .	2.2	50
8	Where Are You?. , 2006, , 129-143.		33
9	Distributed adaptive swarm for obstacle avoidance. <i>International Journal of Intelligent Computing and Cybernetics</i> , 2009, 2, 644-671.	2.7	30
10	Robotic Chain Formations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 19-24.	0.4	14
11	A Formal Analysis of Potential Energy in a Multi-agent System. <i>Lecture Notes in Computer Science</i> , 2004, , 131-145.	1.3	10
12	A Generalized Graph-Based Method for Engineering Swarm Solutions to Multiagent Problems. <i>Lecture Notes in Computer Science</i> , 2006, , 741-750.	1.3	10
13	The Equilibrium and Transient Behavior of Mutation and Recombination. , 2001, , 241-260.		9
14	Distributed Agent Evolution with Dynamic Adaptation to Local Unexpected Scenarios. <i>Lecture Notes in Computer Science</i> , 2006, , 245-256.	1.3	6
15	Evolutionary search for understanding movement dynamics on mixed networks. <i>Geoinformatica</i> , 2013, 17, 353-385.	2.7	4
16	Evolution of Strategies for Resource Protection Problems. <i>Natural Computing Series</i> , 2003, , 367-392.	2.2	4
17	A hybrid evolutionary-graph approach for finding functional network paths. , 2009, , .		2
18	Physicomimetics for Mobile Robot Obstacle Avoidance. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	Competition-Based Learning., 1993, , 203-225.		1