Pat Langley

List of Publications by Year
in descending order

23 papers	1,988 citations	840776 11 h-index	794594 19 g-index
24 all docs	24 docs citations	24 times ranked	1571 citing authors

#	Article	IF	Citations
1	Cognitive architectures: Research issues and challenges. Cognitive Systems Research, 2009, 10, 141-160.	2.7	488
2	Models of incremental concept formation. Artificial Intelligence, 1989, 40, 11-61.	5.8	446
3	Applications of machine learning and rule induction. Communications of the ACM, 1995, 38, 54-64.	4.5	432
4	Dataâ€Driven Discovery of Physical Laws. Cognitive Science, 1981, 5, 31-54.	1.7	112
5	User Modeling in Adaptive Interface. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1999, , 357-370.	0.6	94
6	The computational support of scientific discovery. International Journal of Human Computer Studies, 2000, 53, 393-410.	5.6	82
7	Inductive process modeling. Machine Learning, 2008, 71, 1-32.	5.4	66
8	Data-driven approaches to empirical discovery. Artificial Intelligence, 1989, 40, 283-312.	5.8	60
9	Machine learning for adaptive user interfaces. Lecture Notes in Computer Science, 1997, , 53-62.	1.3	45
10	Rediscovering Chemistry with the Bacon System. , 1983, , 307-329.		43
11	Introduction: Lessons Learned from Data Mining Applications and Collaborative Problem Solving. Machine Learning, 2004, 57, 13-34.	5.4	30
12	The Computer-Aided Discovery of Scientific Knowledge. Lecture Notes in Computer Science, 1998, , 25-39.	1.3	29
13	Heuristics for Empirical Discovery. , 1987, , 21-54.		12
14	REDISCOVERING CHEMISTRY WITH THE BACON SYSTEM. , 1983, , 307-329.		11
15	Editorial: On machine learning. Machine Learning, 1986, 1, 5-10.	5.4	10
16	An Integrative Framework for Artificial Intelligence Education. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9670-9677.	4.9	8
17	Scientific discovery, causal explanation, and process model induction. Mind and Society, 2019, 18, 43-56.	1.3	6
18	Editorial: Machine learning and discovery. Machine Learning, 1986, 1, 363-366.	5.4	3

#	Article	IF	Citations
19	Computer generation of process explanations in nuclear astrophysics. International Journal of Human Computer Studies, 2000, 53, 377-392.	5.6	3
20	Scientific Discovery, Process Models, and the Social Sciences. Synthese Library, 2019, , 173-190.	0.2	3
21	Computer generation of process explanations in nuclear astrophysics. International Journal of Human Computer Studies, 2000, 53, 1149-1164.	5.6	1
22	The Computational Support of Scientic Discovery. Lecture Notes in Computer Science, 2001, , 230-248.	1.3	0
23	Knowledge-Guided Interpretation and Generation of Task-Oriented Dialogue. Signals and Communication Technology, 2016, , 27-39.	0.5	0