

Sanjay Jain

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

755
citations

623188

14
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642321

23
g-index

92
all docs

92
docs citations

92
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciding parity games in quasipolynomial time. , 2017, , .		76
2	Incremental Concept Learning for Bounded Data Mining. Information and Computation, 1999, 152, 74-110.	0.5	72
3	Extremes in the degrees of inferability. Annals of Pure and Applied Logic, 1994, 66, 231-276.	0.3	46
4	Open problems in "œsystems that learn"œ. Journal of Computer and System Sciences, 1994, 49, 589-604.	0.9	42
5	The Synthesis of Language Learners. Information and Computation, 1999, 152, 16-43.	0.5	32
6	Elementary Formal Systems, Intrinsic Complexity, and Procrastination. Information and Computation, 1997, 132, 65-84.	0.5	29
7	The Intrinsic Complexity of Language Identification. Journal of Computer and System Sciences, 1996, 52, 393-402.	0.9	28
8	Ordinal mind change complexity of language identification. Theoretical Computer Science, 1999, 220, 323-343.	0.5	26
9	Results on memory-limited U-shaped learning. Information and Computation, 2007, 205, 1551-1573.	0.5	26
10	On the non-existence of maximal inference degrees for language identification. Information Processing Letters, 1993, 47, 81-88.	0.4	20
11	The structure of intrinsic complexity of learning. Journal of Symbolic Logic, 1997, 62, 1187-1201.	0.4	20
12	Learnability of automatic classes. Journal of Computer and System Sciences, 2012, 78, 1910-1927.	0.9	19
13	Language Learning from Texts: Degrees of Intrinsic Complexity and Their Characterizations. Journal of Computer and System Sciences, 2001, 63, 305-354.	0.9	15
14	Robust Learning Aided by Context. Journal of Computer and System Sciences, 2000, 60, 234-257.	0.9	14
15	Iterative learning of simple external contextual languages. Theoretical Computer Science, 2010, 411, 2741-2756.	0.5	14
16	Mind change complexity of learning logic programs. Theoretical Computer Science, 2002, 284, 143-160.	0.5	13
17	Parsimony hierarchies for inductive inference. Journal of Symbolic Logic, 2004, 69, 287-327.	0.4	13
18	Non-U-shaped vacillatory and team learning. Journal of Computer and System Sciences, 2008, 74, 409-430.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Control structures in hypothesis spaces: the influence on learning. Theoretical Computer Science, 2002, 270, 287-308.	0.5	12
20	Variations on U-shaped learning. Information and Computation, 2006, 204, 1264-1294.	0.5	11
21	Learning languages from positive data and negative counterexamples. Journal of Computer and System Sciences, 2008, 74, 431-456.	0.9	11
22	Towards a Better Understanding of Incremental Learning. Lecture Notes in Computer Science, 2006, , 169-183.	1.0	11
23	Generalization and specialization strategies for learning r.e. languages. Annals of Mathematics and Artificial Intelligence, 1998, 23, 1-26.	0.9	10
24	An ordered approach to solving parity games in quasi-polynomial time and quasi-linear space. International Journal on Software Tools for Technology Transfer, 2019, 21, 325-349.	1.7	10
25	Learning in the presence of inaccurate information. Theoretical Computer Science, 1996, 161, 235-261.	0.5	8
26	On the intrinsic complexity of learning recursive functions. Information and Computation, 2003, 184, 45-70.	0.5	8
27	Learning without coding. Theoretical Computer Science, 2013, 473, 124-148.	0.5	8
28	Non-U-Shaped Vacillatory and Team Learning. Lecture Notes in Computer Science, 2005, , 241-255.	1.0	8
29	On the learnability of recursively enumerable languages from good examples. Theoretical Computer Science, 2001, 261, 3-29.	0.5	7
30	On learning to coordinate: random bits help, insightful normal forms, and competency isomorphisms. Journal of Computer and System Sciences, 2005, 71, 308-332.	0.9	7
31	Learning correction grammars. Journal of Symbolic Logic, 2009, 74, 489-516.	0.4	7
32	Index sets and universal numberings. Journal of Computer and System Sciences, 2011, 77, 760-773.	0.9	7
33	Automatic learners with feedback queries. Journal of Computer and System Sciences, 2014, 80, 806-820.	0.9	6
34	Semiautomatic Structures. Theory of Computing Systems, 2017, 61, 1254-1287.	0.7	6
35	Deciding Parity Games in Quasi-polynomial Time. SIAM Journal on Computing, 2022, 51, STOC17-152-STOC17-188.	0.8	6
36	AN INFINITE CLASS OF FUNCTIONS IDENTIFIABLE USING MINIMAL PROGRAMS IN ALL KOLMOGOROV NUMBERINGS. International Journal of Foundations of Computer Science, 1995, 06, 89-94.	0.8	5

#	ARTICLE	IF	CITATIONS
37	Learning languages from positive data and a finite number of queries. Information and Computation, 2006, 204, 123-175.	0.5	5
38	Some natural conditions on incremental learning. Information and Computation, 2007, 205, 1671-1684.	0.5	5
39	Incremental learning with temporary memory. Theoretical Computer Science, 2010, 411, 2757-2772.	0.5	4
40	The Complexity of Verbal Languages over Groups. , 2012, , .		4
41	On the role of update constraints and text-types in iterative learning. Information and Computation, 2016, 247, 152-168.	0.5	4
42	Vacillatory and BC learning on noisy data. Theoretical Computer Science, 2000, 241, 115-141.	0.5	3
43	Intrinsic complexity of learning geometrical concepts from positive data. Journal of Computer and System Sciences, 2003, 67, 546-607.	0.9	3
44	Learning a Subclass of Regular Patterns in Polynomial Time. Lecture Notes in Computer Science, 2003, , 234-246.	1.0	3
45	Identifying Clusters from Positive Data. SIAM Journal on Computing, 2006, 36, 28-55.	0.8	3
46	Iterative learning from texts and counterexamples using additional information. Machine Learning, 2011, 84, 291-333.	3.4	3
47	Rice and Rice-Shapiro Theorems for transfinite correction grammars. Mathematical Logic Quarterly, 2011, 57, 504-516.	0.2	3
48	Mind Change Complexity of Learning Logic Programs. Lecture Notes in Computer Science, 1999, , 198-213.	1.0	3
49	Learning of R.E. Languages from good examples. Lecture Notes in Computer Science, 1997, , 32-47.	1.0	3
50	Synthesizing Learners Tolerating Computable Noisy Data. Journal of Computer and System Sciences, 2001, 62, 413-441.	0.9	2
51	Identifying Clusters from Positive Data. Lecture Notes in Computer Science, 2004, , 103-114.	1.0	2
52	Variations on U-Shaped Learning. Lecture Notes in Computer Science, 2005, , 382-397.	1.0	2
53	Learning a subclass of regular patterns in polynomial time. Theoretical Computer Science, 2006, 364, 115-131.	0.5	2
54	Learning languages in a union. Journal of Computer and System Sciences, 2007, 73, 89-108.	0.9	2

#	ARTICLE	IF	CITATIONS
55	Mitotic Classes in Inductive Inference. SIAM Journal on Computing, 2008, 38, 1283-1299.	0.8	2
56	Iterative Learning from Texts and Counterexamples Using Additional Information. Lecture Notes in Computer Science, 2009, , 308-322.	1.0	2
57	Index Sets and Universal Numberings. Lecture Notes in Computer Science, 2009, , 270-279.	1.0	2
58	Automatic Learners with Feedback Queries. Lecture Notes in Computer Science, 2011, , 31-40.	1.0	2
59	On a Generalized Notion of Mistake Bounds. Information and Computation, 2001, 166, 156-166.	0.5	1
60	Robust learning of automatic classes of languages. Journal of Computer and System Sciences, 2014, 80, 777-795.	0.9	1
61	Parallel learning of automatic classes of languages. Theoretical Computer Science, 2016, 650, 25-44.	0.5	1
62	Learning pattern languages over groups. Theoretical Computer Science, 2018, 742, 66-81.	0.5	1
63	Learners based on transducers. Information and Computation, 2020, 283, 104676.	0.5	1
64	Learning Pattern Languages over Groups. Lecture Notes in Computer Science, 2016, , 189-203.	1.0	1
65	On Learning to Coordinate. Lecture Notes in Computer Science, 2003, , 699-713.	1.0	1
66	Learning Languages in a Union. Lecture Notes in Computer Science, 2001, , 235-250.	1.0	1
67	Parallel Learning of Automatic Classes of Languages. Lecture Notes in Computer Science, 2014, , 70-84.	1.0	1
68	Learning Automatic Families of Languages. Lecture Notes in Computer Science, 2016, , 29-40.	1.0	1
69	Learnability and positive equivalence relations. Information and Computation, 2022, , 104913.	0.5	1
70	On a generalized notion of mistake bounds. , 1999, , .		0
71	One-shot learners using negative counterexamples and nearest positive examples. Theoretical Computer Science, 2009, 410, 2562-2580.	0.5	0
72	Input-Dependence in Function-Learning. Theory of Computing Systems, 2009, 45, 849-864.	0.7	0

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73	Learning with ordinal-bounded memory from positive data. Journal of Computer and System Sciences, 2012, 78, 1623-1636.	0.9	0
74	Enlarging learnable classes. Information and Computation, 2016, 251, 194-207.	0.5	0
75	Automatic learning from positive data and negative counterexamples. Information and Computation, 2017, 255, 45-67.	0.5	0
76	Intrinsic complexity of partial learning. Theoretical Computer Science, 2019, 776, 43-63.	0.5	0
77	Learnability and Positive Equivalence Relations. Lecture Notes in Computer Science, 2021, , 145-156.	1.0	0
78	Some Recent Results in U-Shaped Learning. Lecture Notes in Computer Science, 2006, , 421-431.	1.0	0
79	Input-Dependence in Function-Learning. Lecture Notes in Computer Science, 2007, , 378-388.	1.0	0
80	Learning from Streams. Lecture Notes in Computer Science, 2009, , 338-352.	1.0	0
81	Intrinsic Complexity of Partial Learning. Lecture Notes in Computer Science, 2016, , 174-188.	1.0	0
82	Connections Between Inductive Inference and Machine Learning. , 2016, , 1-11.		0
83	Complexity of Inductive Inference. , 2016, , 1-5.		0
84	Connections Between Inductive Inference and Machine Learning. , 2017, , 261-272.		0
85	Complexity of Inductive Inference. , 2017, , 247-251.		0
86	Learners Based on Transducers. Lecture Notes in Computer Science, 2018, , 169-181.	1.0	0
87	Mitotic Classes. , 2007, , 218-232.		0