

Mitsunori Ogihara

List of Publications by Year in descending order

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Version: 2024-02-01

157
papers

4,462
citations

218677

26
h-index

168389

53
g-index

158
all docs

158
docs citations

158
times ranked

3504
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of feature selection and multiclass classification methods for tissue classification based on gene expression. <i>Bioinformatics</i> , 2004, 20, 2429-2437.	4.1	556
2	A comparative study on content-based music genre classification. , 2003, , .		248
3	Parallel Algorithms for Discovery of Association Rules. <i>Data Mining and Knowledge Discovery</i> , 1997, 1, 343-373.	3.7	243
4	Using discriminant analysis for multi-class classification: an experimental investigation. <i>Knowledge and Information Systems</i> , 2006, 10, 453-472.	3.2	213
5	Parallel Algorithms for Discovery of Association Rules. , 1997, , 5-35.		209
6	A survey on wavelet applications in data mining. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2002, 4, 49-68.	4.0	174
7	Proteomic and Phospho-Proteomic Profile of Human Platelets in Basal, Resting State: Insights into Integrin Signaling. <i>PLoS ONE</i> , 2009, 4, e7627.	2.5	124
8	Polynomial-Time Bounded Truth-Table Reducibility of NP Sets to Sparse Sets. <i>SIAM Journal on Computing</i> , 1991, 20, 471-483.	1.0	122
9	Toward intelligent music information retrieval. <i>IEEE Transactions on Multimedia</i> , 2006, 8, 564-574.	7.2	118
10	Entropy-based criterion in categorical clustering. , 2004, , .		106
11	Document clustering via adaptive subspace iteration. , 2004, , .		93
12	Data streaming algorithms for estimating entropy of network traffic. <i>Performance Evaluation Review</i> , 2006, 34, 145-156.	0.6	89
13	The Complexity Theory Companion. <i>Texts in Theoretical Computer Science</i> , 2002, , .	0.8	89
14	Evaluation of sampling for data mining of association rules. , 0, , .		73
15	Relationships among P , L , and the determinant. <i>RAIRO - Theoretical Informatics and Applications</i> , 1996, 30, 1-21.	0.5	73
16	A complexity theory for feasible closure properties. <i>Journal of Computer and System Sciences</i> , 1993, 46, 295-325.	1.2	70
17	The complexity of matrix rank and feasible systems of linear equations. <i>Computational Complexity</i> , 1999, 8, 99-126.	0.3	63
18	Music Recommendation Based on Acoustic Features and User Access Patterns. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2009, 17, 1602-1611.	3.2	63

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19	DNA computing on a chip. <i>Nature</i> , 2000, 403, 143-144.	27.8	58
20	Partnerships for the Design, Conduct, and Analysis of Effectiveness, and Implementation Research: Experiences of the Prevention Science and Methodology Group. <i>Administration and Policy in Mental Health and Mental Health Services Research</i> , 2012, 39, 301-316.	2.1	56
21	Simulating Boolean circuits on a DNA computer. , 1997, , .		55
22	Computing Solutions Uniquely Collapses the Polynomial Hierarchy. <i>SIAM Journal on Computing</i> , 1996, 25, 697-708.	1.0	53
23	A Computational Future for Preventing HIV in Minority Communities. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2013, 63, S72-S84.	2.1	53
24	The Endoplasmic Reticulum Stress Response Factor CHOP-10 Protects against Hypoxia-induced Neuronal Death. <i>Journal of Biological Chemistry</i> , 2010, 285, 21329-21340.	3.4	52
25	Objective measurement of head movement differences in children with and without autism spectrum disorder. <i>Molecular Autism</i> , 2018, 9, 14.	4.9	50
26	Simulating Boolean Circuits on a DNA Computer. <i>Algorithmica</i> , 1999, 25, 239-250.	1.3	43
27	A data streaming algorithm for estimating entropies of od flows. , 2007, , .		43
28	Design and Analysis in Dissemination and Implementation Research. , 2012, , 225-260.		41
29	Program-level adaptive memory management. , 2006, , .		40
30	P-Selective Sets and Reducing Search to Decision vs Self-Reducibility. <i>Journal of Computer and System Sciences</i> , 1996, 53, 194-209.	1.2	39
31	Polynomial-Time Membership Comparable Sets. <i>SIAM Journal on Computing</i> , 1995, 24, 1068-1081.	1.0	37
32	Prediction of biologically significant components from microarray data: Independently Consistent Expression Discriminator (ICED). <i>Bioinformatics</i> , 2003, 19, 62-70.	4.1	37
33	Hierarchical document classification using automatically generated hierarchy. <i>Journal of Intelligent Information Systems</i> , 2007, 29, 211-230.	3.9	37
34	Finding global icebergs over distributed data sets. , 2006, , .		36
35	Mining library and university data to understand library use patterns. <i>Electronic Library</i> , 2015, 33, 355-372.	1.4	35
36	Content-based music similarity search and emotion detection. , 0, , .		34

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37	Competing provers yield improved Karpâ€“Lipton collapse results. Information and Computation, 2005, 198, 1-23.	0.7	28
38	On combining multiple clusterings: an overview and a new perspective. Applied Intelligence, 2010, 33, 207-219.	5.3	28
39	The complexity of counting self-avoiding walks in subgraphs of two-dimensional grids and hypercubes. Theoretical Computer Science, 2003, 304, 129-156.	0.9	26
40	A model for multi-label classification and ranking of learning objects. Expert Systems With Applications, 2012, 39, 8878-8884.	7.6	25
41	NONDETERMINISTICALLY SELECTIVE SETS. International Journal of Foundations of Computer Science, 1995, 06, 403-416.	1.1	22
42	Music artist style identification by semi-supervised learning from both lyrics and content. , 2004, , .		22
43	Semisupervised learning from different information sources. Knowledge and Information Systems, 2005, 7, 289-309.	3.2	22
44	Blending Qualitative and Computational Linguistics Methods for Fidelity Assessment: Experience with the Familias Unidas Preventive Intervention. Administration and Policy in Mental Health and Mental Health Services Research, 2015, 42, 574-585.	2.1	22
45	Polynomial-time membership comparable sets. , 0, , .		21
46	Using discriminant analysis for multi-class classification. , 0, , .		21
47	Text categorization via generalized discriminant analysis. Information Processing and Management, 2008, 44, 1684-1697.	8.6	21
48	Global iceberg detection over distributed data streams. , 2010, , .		21
49	A new distributed data mining model based on similarity. , 2003, , .		20
50	Music Genre Classification with Taxonomy. , 0, , .		19
51	Clustering Distributed Homogeneous Datasets. Lecture Notes in Computer Science, 2000, , 566-574.	1.3	19
52	Mining product reviews based on shallow dependency parsing. , 2009, , .		19
53	Oracles That Compute Values. SIAM Journal on Computing, 1997, 26, 1043-1065.	1.0	18
54	The PL Hierarchy Collapses. SIAM Journal on Computing, 1998, 27, 1430-1437.	1.0	18

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55	Efficient multi-way text categorization via generalized discriminant analysis. , 2003, , .		18
56	PlanMine: Predicting Plan Failures Using Sequence Mining. Artificial Intelligence Review, 2000, 14, 421-446.	15.7	17
57	Hierarchical Co-Clustering: A New Way to Organize the Music Data. IEEE Transactions on Multimedia, 2012, 14, 471-481.	7.2	17
58	On sparse hard sets for counting classes. Theoretical Computer Science, 1993, 112, 255-275.	0.9	16
59	Functions computable with limited access to NP. Information Processing Letters, 1996, 58, 35-38.	0.6	16
60	On combining multiple clusterings. , 2004, , .		16
61	Autoreducibility, mitoticity, and immunity. Journal of Computer and System Sciences, 2007, 73, 735-754.	1.2	16
62	Multimodal Content Analysis for Effective Advertisements on YouTube. , 2017, , .		15
63	Algorithms for clustering high dimensional and distributed data. Intelligent Data Analysis, 2003, 7, 305-326.	0.9	15
64	Properties of probabilistic pushdown automata. Theoretical Computer Science, 1998, 207, 117-130.	0.9	14
65	Automatic classification of communication logs into implementation stages via text analysis. Implementation Science, 2015, 11, 119.	6.9	14
66	Relationships among PL, #L, and the determinant. , 0, , .		13
67	Space-efficient recognition of sparse self-reducible languages. Computational Complexity, 1994, 4, 262-296.	0.3	12
68	Sparse P-hard sets yield space-efficient algorithms. , 0, , .		12
69	The complexity of matrix rank and feasible systems of linear equations (extended abstract). , 1996, , .		11
70	iDEC. Proceedings of the VLDB Endowment, 2020, 13, 1483-1497.	3.8	11
71	Gated memory control for memory monitoring, leak detection and garbage collection. , 2005, , .		10
72	Quantify music artist similarity based on style and mood. , 2008, , .		10

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73	Competing Provers Yield Improved Karp-Lipton Collapse Results. Lecture Notes in Computer Science, 2003, , 535-546.	1.3	10
74	A DNA-based random walk method for solving k-SAT. Lecture Notes in Computer Science, 2001, , 209-220.	1.3	10
75	Equivalence of Nck and $ACK \hat{=} 1$ Closures of NP and Other Classes. Information and Computation, 1995, 120, 55-58.	0.7	9
76	Gene functional classification by semi-supervised learning from heterogeneous data. , 2003, , .		9
77	Computational complexity studies of synchronous Boolean finite dynamical systems on directed graphs. Information and Computation, 2017, 256, 226-236.	0.7	9
78	Autoreducibility, Mitoticity, and Immunity. Lecture Notes in Computer Science, 2005, , 387-398.	1.3	9
79	On using oracles that compute values. Lecture Notes in Computer Science, 1993, , 398-407.	1.3	9
80	Reductibility classes of P-selective sets. Theoretical Computer Science, 1996, 155, 447-457.	0.9	8
81	The complexity theory companion. ACM SIGACT News, 2001, 32, 66-68.	0.1	8
82	Association-based similarity testing and its applications. Intelligent Data Analysis, 2003, 7, 209-232.	0.9	8
83	Integrating Features from Different Sources for Music Information Retrieval. IEEE International Conference on Data Mining, 2006, , .	0.0	8
84	Design and Analysis in Dissemination and Implementation Research. , 2017, , .		8
85	On Closure Properties of $\#P$ in the Context of $PF \hat{=} \#P$. Journal of Computer and System Sciences, 1996, 53, 171-179.	1.2	7
86	Reducing the Number of Solutions of NP Functions. Journal of Computer and System Sciences, 2002, 64, 311-328.	1.2	7
87	Music Clustering With Features From Different Information Sources. IEEE Transactions on Multimedia, 2009, 11, 477-485.	7.2	7
88	Generalized predecessor existence problems for Boolean finite dynamical systems on directed graphs. Theoretical Computer Science, 2019, 762, 25-40.	0.9	7
89	Exploiting Dataset Similarity for Distributed Mining. Lecture Notes in Computer Science, 2000, , 399-406.	1.3	7
90	Active Mining in a Distributed Setting. Lecture Notes in Computer Science, 2000, , 65-82.	1.3	7

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91	Computing solutions uniquely collapses the polynomial hierarchy. Lecture Notes in Computer Science, 1994, , 56-64.	1.3	7
92	DNA-based parallel computation by "counting". DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 1999, , 255-264.	0.0	7
93	ON SERIALIZABLE LANGUAGES. International Journal of Foundations of Computer Science, 1994, 05, 303-318.	1.1	6
94	Universally Serializable Computation. Journal of Computer and System Sciences, 1997, 55, 547-560.	1.2	6
95	Tally NP Sets and Easy Census Functions. Information and Computation, 2000, 158, 29-52.	0.7	6
96	Sparse Sets versus Complexity Classes. , 1997, , 53-80.		6
97	The PL hierarchy collapses. , 1996, , .		5
98	A hierarchical model of data locality. ACM SIGPLAN Notices, 2006, 41, 16-29.	0.2	5
99	On the Autoreducibility of Functions. Theory of Computing Systems, 2010, 46, 222-245.	1.1	5
100	Genre classification for million song dataset using confidence-based classifiers combination. , 2012, , .		5
101	Wavelet Methods in Data Mining. , 2009, , 553-571.		5
102	Wavelet Methods in Data Mining. , 2005, , 603-626.		4
103	The Complexity of Finding Top-Toda-Equivalence-Class Members. Theory of Computing Systems, 2006, 39, 669-684.	1.1	4
104	Analysis of input-dependent program behavior using active profiling. , 2007, , .		4
105	An Efficient Algorithm for Measuring Medium- to Large-Sized Flows in Network Traffic. , 2009, , .		4
106	Gestural cue analysis in automated semantic miscommunication annotation. Multimedia Tools and Applications, 2012, 61, 7-20.	3.9	4
107	The (Non)Enumerability of the Determinant and the Rank. Theory of Computing Systems, 2003, 36, 359-374.	1.1	3
108	On the reducibility of sets inside NP to sets with low information content. Journal of Computer and System Sciences, 2004, 69, 499-524.	1.2	3

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109	Complexity theory for splicing systems. Theoretical Computer Science, 2007, 386, 132-150.	0.9	3
110	Utility of Gestural Cues in Indexing Semantic Miscommunication. , 2010, , .		3
111	Identifying Accuracy of Social Tags by Using Clustering Representations of Song Lyrics. , 2012, , .		3
112	Guest Editorial: Special Section on <newline/>Music Data Mining. IEEE Transactions on Multimedia, 2014, 16, 1185-1187.	7.2	3
113	Student Retention Pattern Prediction Employing Linguistic Features Extracted from Admission Application Essays. , 2017, , .		3
114	Repeated Listens in the Music Discovery Process. Studies in Computational Intelligence, 2021, , 119-134.	0.9	3
115	The Complexity of Computing the Number of Self-Avoiding Walks in Two-Dimensional Grid Graphs and in Hypercube Graphs. Lecture Notes in Computer Science, 2001, , 585-597.	1.3	3
116	Estimating Joint Probabilities from Marginal Ones*. Lecture Notes in Computer Science, 2002, , 31-41.	1.3	3
117	On helping by parity-like languages. Information Processing Letters, 1995, 54, 41-43.	0.6	2
118	Tally NP sets and easy census functions. Lecture Notes in Computer Science, 1998, , 483-492.	1.3	2
119	Time and Space Complexity for Splicing Systems. Theory of Computing Systems, 2010, 47, 301-316.	1.1	2
120	Summarizing the differences from microblogs. , 2012, , .		2
121	Combining Gene Expression Profiles and Protein-Protein Interactions for Identifying Functional Modules. , 2012, , .		2
122	Separating the Notions of Self- and Autoreducibility. Lecture Notes in Computer Science, 2005, , 308-315.	1.3	2
123	Sparse Hard Sets for P. , 1997, , 191-208.		2
124	Computational Complexity Studies of Synchronous Boolean Finite Dynamical Systems. Lecture Notes in Computer Science, 2015, , 87-98.	1.3	2
125	Analysis of Chord Progression Data. Studies in Computational Intelligence, 2010, , 165-184.	0.9	2
126	Reducing the Number of Solutions of NP Functions. Lecture Notes in Computer Science, 2000, , 394-404.	1.3	2

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127	The Complexity of Finding Top-Toda-Equivalence-Class Members. Lecture Notes in Computer Science, 2004, , 90-99.	1.3	2
128	Fundamentals of Java Programming. , 2018, , .		2
129	Semi-supervised learning for music artists style identification. , 2004, , .		1
130	Inferring conflict-sensitive phosphorylation dynamics. , 2011, , .		1
131	Scaling Up Heterogeneous Waveform Clustering for Long-Duration Monitoring Signal Acquisition, Analysis, and Interaction: Bridging Big Data Analytics with Measurement Instrument Usage Pattern. , 2019, , .		1
132	Multi-scale Sequential Pattern Discovery and Alignment for Long-Duration Waveform Similarity Quantification and Interpretation. , 2019, , .		1
133	Partnerships for the Design, Conduct, and Analysis of Effectiveness, and Implementation Research: Experiences of the Prevention Science and Methodology Group. , 2012, 39, 301.		1
134	Very Sparse Leaf Languages. Lecture Notes in Computer Science, 2006, , 375-386.	1.3	1
135	Audio Feature Extraction. , 2011, , 67-98.		1
136	Cuban Theater Digital Archive: A Multimodal Platform for Theater Documentation and Research. Lecture Notes in Computer Science, 2013, , 138-150.	1.3	1
137	Review of "DNA based computers V" by Eric Winfree and David K. Gifford. American Mathematics Society.. ACM SIGACT News, 2001, 32, 11-13.	0.1	0
138	A Roguesâ€™ Gallery of Reductions. Texts in Theoretical Computer Science, 2002, , 305-308.	0.8	0
139	Guest Editorsâ€™ Foreword. Theory of Computing Systems, 2002, 35, 469-469.	1.1	0
140	A Note on Square Rooting of Time Functions of Turing Machines. Theory of Computing Systems, 2003, 36, 295-299.	1.1	0
141	The enumerability of P collapses P to NC. Theoretical Computer Science, 2005, 345, 248-259.	0.9	0
142	WS-GraphMatching. , 2010, , .		0
143	Fixed-Parameter Tractable Combinatorial Algorithms for Metabolic Networks Alignments. , 2010, , .		0
144	Learning Condition-Dependent Dynamical PPI Networks from Conflict-Sensitive Phosphorylation Dynamics. , 2011, , .		0

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145	Finding trendy products from pins. , 2015, , .		0
146	Sequential Pattern Based Temporal Contour Representations for Content-Based Multimedia Timeline Analysis. , 2016, , .		0
147	The Semantic Shapes of Popular Music Lyrics: Graph-Based Representation, Analysis, and Interpretation of Popular Music Lyrics in Semantic Natural Language Embedding Space. , 2018, , .		0
148	Survival of the Fastest: Using Sequential Pattern Analysis to Measure Efficiency of Complex Organizational Processes. , 2019, , .		0
149	Long-Duration Waveform Descriptive Grammar for Consumer Electronics Design, Diagnosis, and Validation. , 2020, , .		0
150	Hoshi: A Japanese morphological adorer for TEI XML. Digital Scholarship in the Humanities, 2021, 36, 32-42.	0.7	0
151	On the Enumerability of the Determinant and the Rank. , 2002, , 59-70.		0
152	The Minimum-Model DNA Computation on a Sequence of Probe Arrays. Lecture Notes in Computer Science, 2002, , 38-49.	1.3	0
153	The Enumerability of P Collapses P to NC. Lecture Notes in Computer Science, 2004, , 346-355.	1.3	0
154	Properties of probabilistic pushdown automata. Lecture Notes in Computer Science, 1995, , 343-352.	1.3	0
155	Review of DNA Based Computers II edited by Lauara F. Lndweber and Eric K. Baum. ACM SIGACT News, 1999, 30, 7-9.	0.1	0
156	MP-RW-LSH. Proceedings of the VLDB Endowment, 2021, 14, 3267-3280.	3.8	0
157	Complexity Theory for Splicing Systems. Lecture Notes in Computer Science, 2007, , 300-311.	1.3	0