Vassilios S Verykios

List of Publications by Year
in descending order

122 papers	4,445 citations	257450 24 h-index	118850 62 g-index
129 all docs	129 docs citations	129 times ranked	2140 citing authors

#	Article	IF	Citations
1	Duplicate Record Detection: A Survey. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 1-16.	5.7	1,042
2	State-of-the-art in privacy preserving data mining. SIGMOD Record, 2004, 33, 50-57.	1.2	661
3	Association rule hiding. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 434-447.	5.7	389
4	Using unknowns to prevent discovery of association rules. SIGMOD Record, 2001, 30, 45-54.	1.2	250
5	Hiding Association Rules by Using Confidence and Support. Lecture Notes in Computer Science, 2001, , 369-383.	1.3	218
6	A taxonomy of privacy-preserving record linkage techniques. Information Systems, 2013, 38, 946-969.	3.6	210
7	Exact Knowledge Hiding through Database Extension. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 699-713.	5.7	82
8	Automating the approximate record-matching process. Information Sciences, 2000, 126, 83-98.	6.9	72
9	A Bayesian decision model for cost optimal record matching. VLDB Journal, 2003, 12, 28-40.	4.1	68
10	An integer programming approach for frequent itemset hiding. , 2006, , .		68
11	A MaxMin approach for hiding frequent itemsets. Data and Knowledge Engineering, 2008, 65, 75-89.	3.4	68
12	Providing K-Anonymity in location based services. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2010, 12, 3-10.	4.0	67
13	An LSH-Based Blocking Approach with a Homomorphic Matching Technique for Privacy-Preserving Record Linkage. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 909-921.	5.7	51
14	Hiding sensitive knowledge without side effects. Knowledge and Information Systems, 2009, 20, 263-299.	3.2	49
15	PYTHIA-II. ACM Transactions on Mathematical Software, 2000, 26, 227-253.	2.9	47
16	Association rule hiding methods. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 28-36.	6.8	47
17	A Survey of Association Rule Hiding Methods for Privacy. The Kluwer International Series on Advances in Database Systems, 2008, , 267-289.	1.1	44
18	Association Rule Hiding for Data Mining. The Kluwer International Series on Advances in Database Systems, 2010, , .	1.1	41

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19	A Learning Analytics Methodology for Detecting Sentiment in Student Fora: A Case Study in Distance Education. The Journal of Open Distance and E Learning, 2015, 18, 74-94.	0.6	35
20	Privacy Preserving Record Linkage Using Phonetic Codes. , 2009, , .		34
21	An Experimental Study of Distortion-Based Techniques for Association Rule Hiding. , 2004, , 325-339.		33
22	A Max-Min Approach for Hiding Frequent Itemsets. , 2006, , .		30
23	Secure Blocking + Secure Matching = Secure Record Linkage. Journal of Computing Science and Engineering, 2011, 5, 223-235.	0.6	30
24	Privacy preserving record linkage approaches. International Journal of Data Mining, Modelling and Management, 2009, 1, 206.	0.1	28
25	Efficient algorithms for distortion and blocking techniques in association rule hiding. Distributed and Parallel Databases, 2007, 22, 85-104.	1.6	27
26	Load-Balancing the Distance Computations in Record Linkage. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2015, 17, 1-7.	4.0	27
27	Fake Injection Strategies for Private Phonetic Matching. Lecture Notes in Computer Science, 2012, , 9-24.	1.3	27
28	An Evaluation Framework for Privacy-Preserving Record Linkage. Journal of Privacy and Confidentiality, 2014, 6, .	1.5	27
29	Reference table based k-anonymous private blocking. , 2012, , .		24
30	A privacy-aware trajectory tracking query engine. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2008, 10, 40-49.	4.0	23
31	A fast and efficient Hamming LSH-based scheme for accurate linkage. Knowledge and Information Systems, 2016, 49, 861-884.	3.2	23
32	FEDERAL: A Framework for Distance-Aware Privacy-Preserving Record Linkage. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 292-304.	5.7	22
33	A blended learning course for playfully teaching programming concepts to school teachers. Education and Information Technologies, 2019, 24, 1237-1249.	5.7	22
34	Improving Data Quality in Practice: A Case Study in the Italian Public Administration. Distributed and Parallel Databases, 2003, 13, 135-160.	1.6	21
35	A transversal hypergraph approach for the frequent itemset hiding problem. Knowledge and Information Systems, 2016, 47, 625-645.	3.2	21
36	Efficient two-party private blocking based on sorted nearest neighborhood clustering. , 2013, , .		20

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37	A data perturbation approach to sensitive classification rule hiding. , 2010, , .		19
38	E-comics in teaching: Evaluating and using comic strip creator tools for educational purposes. , 2015, , .		18
39	A distributed near-optimal LSH-based framework for privacy-preserving record linkage. Computer Science and Information Systems, 2014, 11, 745-763.	1.0	18
40	A network aware privacy model for online requests in trajectory data. Data and Knowledge Engineering, 2009, 68, 431-452.	3.4	16
41	A Sorted Neighborhood Approach to Multidimensional Privacy Preserving Blocking. , 2012, , .		16
42	LSHDB: a parallel and distributed engine for record linkage and similarity search. , 2016, , .		16
43	Sensitizing young children on internet addiction and online safety risks through storytelling in a mobile application. Education and Information Technologies, 2020, 25, 163-174.	5.7	16
44	Distance-Aware Encoding of Numerical Values for Privacy-Preserving Record Linkage. , 2017, , .		15
45	An effective LA approach to predict student achievement. , 2018, , .		15
46	A Free Terrain Model for Trajectory Kâ€"Anonymity. Lecture Notes in Computer Science, 2008, , 49-56.	1.3	14
47	The Pursuit of Patterns in Educational Data Mining as a Threat to Student Privacy. Journal of Interactive Media in Education, 2019, 2019, .	1.7	14
48	A quantitative and qualitative ANALYSIS of blocking in association rule hiding. , 2004, , .		13
49	Scalable Blocking for Privacy Preserving Record Linkage. , 2015, , .		12
50	Hashing-Based Distributed Multi-party Blocking for Privacy-Preserving Record Linkage. Lecture Notes in Computer Science, 2016, , 415-427.	1.3	12
51	Polarity, emotions and online activity of students and tutors as features in predicting grades. Intelligent Decision Technologies, 2020, 14, 409-436.	0.9	12
52	A distributed framework for scaling Up LSH-based computations in privacy preserving record linkage. , 2013, , .		11
53	A predictive analytics framework as a countermeasure for attrition of students. Interactive Learning Environments, 2022, 30, 1028-1043.	6.4	11
54	A k-Anonymity Model for Spatio-Temporal Data. , 2007, , .		10

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55	Sentiment Analysis to Track Emotion and Polarity in Student Fora. , 2017, , .		10
56	Challenges for privacy preservation in data integration. Journal of Data and Information Quality, 2014, 5, 1-3.	2.1	9
57	Fast schemes for online record linkage. Data Mining and Knowledge Discovery, 2018, 32, 1229-1250.	3.7	9
58	Revealing latent traits in the social behavior of distance learning students. Education and Information Technologies, 2022, 27, 3529-3565.	5.7	9
59	Large-Scale Multi-party Counting Set Intersection Using a Space Efficient Global Synopsis. Lecture Notes in Computer Science, 2015, , 329-345.	1.3	9
60	Analyzing Sequence Data with Markov Chain Models in Scientific Experiments. SN Computer Science, 2021, 2, 385.	3.6	8
61	Privacyâ€preserving record linkage. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 321-332.	6.8	7
62	An Integer Linear Programming Scheme to Sanitize Sensitive Frequent Itemsets. , 2014, , .		7
63	On Using Linear Diophantine Equations for in-Parallel Hiding of Decision Tree Rules. Entropy, 2019, 21, 66.	2.2	7
64	Advances in Privacy Preserving Record Linkage. Advances in Web Technologies and Engineering Book Series, 2011, , 22-34.	0.4	7
65	A generalized cost optimal decision model for record matching. , 2004, , .		6
66	Optimal Stopping. Journal of Data and Information Quality, 2009, 1, 1-34.	2.1	6
67	Data set operations to hide decision tree rules. , 2016, , .		6
68	Technology and School Unit Improvement: Researching, Reconsidering and Reconstructing the School Context through a Multi-Thematic Digital Storytelling Project. Social Sciences, 2019, 8, 49.	1.4	6
69	Frequent itemset hiding revisited: pushing hiding constraints into mining. Applied Intelligence, 2022, 52, 2539-2555.	5.3	6
70	Assessing Student Performance by Learning Analytics Dashboards. , 2017, 9, 101.	0.0	6
71	PLOT: Privacy in Location Based Services: An Open-Ended Toolbox. , 2009, , .		5
72	Using Minimum Local Distortion to Hide Decision Tree Rules. Entropy, 2019, 21, 334.	2.2	5

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73	A Constraint-Based Model for the Frequent Itemset Hiding Problem. Communications in Computer and Information Science, 2020, , 49-64.	0.5	5
74	A Highly Efficient and Secure Multidimensional Blocking Approach for Private Record Linkage. , 2012, , .		4
75	Towards Secure and Practical Location Privacy through Private Equality Testing. Lecture Notes in Computer Science, 2014, , 312-325.	1.3	4
76	Measuring Engagement to Assess Performance of Students in Distance Learning. , 2018, , .		4
77	A Parallelization Framework for Exact Knowledge Hiding in Transactional Databases. International Federation for Information Processing, 2008, , 349-363.	0.4	4
78	Parallel based Hiding of Sensitive Knowledge. , 2020, , .		4
79	On Using Linear Diophantine Equations for Efficient Hiding of Decision Tree Rules. , 2018, , .		3
80	A predictive analytics framework as a countermeasure for attrition of students. Interactive Learning Environments, 2019, , 1-15.	6.4	3
81	Summarizing and linking electronic health records. Distributed and Parallel Databases, 2021, 39, 321-360.	1.6	3
82	An IRT-based approach to assess the learning gain of a virtual reality lab studentsâ€™ experience. Intelligent Decision Technologies, 2021, 15, 487-496.	0.9	3
83	Privacy Preserving Blocking and Meta-Blocking. Lecture Notes in Computer Science, 2015, , 232-236.	1.3	3
84	Hiding Decision Tree Rules in Medical Data: A Case Study. Studies in Health Technology and Informatics, 2019, 262, 368-371.	0.3	3
85	EXACT KNOWLEDGE HIDING IN TRANSACTIONAL DATABASES. International Journal on Artificial Intelligence Tools, 2009, 18, 17-37.	1.0	2
86	Concealing the position of individuals in location-based services. Operational Research, 2011, 11, 201-214.	2.0	2
87	Hiding decision tree rules by data set operations. , 2015, , .		2
88	Design and construction of the Greek grammar checker. Digital Scholarship in the Humanities, 2016, , fqw025.	0.7	2
89	A Tutorial on Blocking Methods for Privacy-Preserving Record Linkage. Lecture Notes in Computer Science, 2016, , 3-15.	1.3	2
90	Privacy-Preserving Record Linkage. , 2018, , 1-8.		2

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91	FEMRL: A Framework for Large-Scale Privacy-Preserving Linkage of Patients' Electronic Health Records. , 2018, , .		2
92	Student Admission Data Analytics for Open and Distance Education in Greece. The Journal for Open and Distance Education and Educational Technology, 2017, 13, 6.	0.2	2
93	Uncertainty for Privacy and 2-Dimensional Range Query Distortion. Journal of Computing Science and Engineering, 2011, 5, 210-222.	0.6	2
94	Advances in Privacy Preserving Record Linkage. , 0, , 1682-1694.		2
95	Supervised machine learning models for student performance prediction. Intelligent Decision Technologies, 2022, 16, 93-106.	0.9	2
96	A Data Pipeline to Preserve Privacy in Educational Settings. , 2021, , .		2
97	A Novel Mobile Framework for Anonymity Techniques and Services Research. , 2013, , .		1
98	Knowledge Sanitization on the Web. , 2014, , .		1
99	Promoting Active Learning using a web-based Audience Response System. , 2016, , .		1
100	Local Distortion Hiding in Financial Technology application: a case study with a benchmark data set. , 2019, , .		1
101	Linkage of Spatio-Temporal Data and Trajectories. , 2019, , .		1
102	Local Distortion Hiding (LDH) Algorithm: a Java-based prototype. , 2020, , .		1
103	A Simulator for Privacy Preserving Record Linkage. Communications in Computer and Information Science, 2013, , 164-173.	0.5	1
104	On the testability of purely recursive digital filters. Lecture Notes in Computer Science, 1994, , 85-96.	1.3	1
105	Privacy-Preserving Record Linkage. , 2019, , 1300-1307.		1
106	Privacy Preserving Data Mining. Advances in Data Mining and Database Management Book Series, 0, , 125-141.	0.5	1
107	Resolving Infeasibility in Linear Programs for the Frequent Itemset Hiding Problem. , 2021, , .		1
108	MultiBlock: A Scalable Iterative Approach for Progressive Entity Resolution. , 2021, , .		1

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109	A Prognosis of Junior High School Studentsâ€™ Performance Based on Active Learning Methods. Lecture Notes in Computer Science, 2017, , 67-76.	1.3	0
110	MapReduce Implementations for Privacy Preserving Record Linkage. , 2018, , .		0
111	A Database Reconstruction Approach for the Inverse Frequent Itemset Mining Problem. Learning and Analytics in Intelligent Systems, 2022, , 45-58.	0.6	0
112	A Knowledge Discovery Methodology for Behavior Analysis of Large-Scale Applications on Parallel Architectures. Lecture Notes in Computer Science, 2003, , 739-748.	1.3	0
113	Association Rule Hiding Methods. , 2009, , 71-75.		0
114	Uncertainty for Anonymity and 2-Dimensional Range Query Distortion. Lecture Notes in Computer Science, 2010, , 85-96.	1.3	0
115	BIND: A biomedical INteroperable database system. Lecture Notes in Computer Science, 1994, , 671-679.	1.3	0
116	Î"Î¹Î±Î¼Î¼Î½Ï‚Ïƒ· Ï„Î·Ì· Î±Î¾Î¼Î¿Ï€Î¿Î¯ÎÏÏƒÎ·Ï‚ Ï„Î·Ì· ÎÎ¹Î±ÎÎ¹Î²Î¹„Î¿Ì·… Î°Î±Î¹ Ï„Î¿Ì·… Î°Î¹Î½Î¹½Î·Î¡Î¿Ì·Î»ÎµÏ†ÏŽÎ½Î¿Ì·… Î±Ï€ÎŒ Ï„Î¿Ì·…Ï„ Î½µÎ¿Î¼Î¹ÎÏ®Î¿Ï‡ÎœÎ½µÎ¹µ		
117	Knowledge Hiding in Decision Trees for Learning Analytics Applications. Learning and Analytics in Intelligent Systems, 2021, , 37-54.	0.6	0
118	Large-Scale Distributed Linkage of Records Containing Spatio-Temporal Information. , 2020, , .		0
119	Inference Control in a Diabetes Data Set Using a Java-Based Prototype of LDH Algorithm. Studies in Health Technology and Informatics, 2022, 289, 414-417.	0.3	0
120	Local Distortion Hiding Algorithm in Medical Data: A Case Study Using CART. Studies in Health Technology and Informatics, 2020, 272, 99-102.	0.3	0
121	Sensitive data hiding in financial anti-fraud process. International Journal of Electronic Governance, 2022, 14, 7.	0.2	0
122	Coping with Access Difficulties and Absenteeism through Data Visualization: A Case Study from a Rural Vocational School in Northern Greece. Applied Sciences (Switzerland), 2022, 12, 6946.	2.5	0