

Vassilios S Verykios

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7064975/publications.pdf>

Version: 2024-02-01

122
papers

4,445
citations

257357

24
h-index

118793

62
g-index

129
all docs

129
docs citations

129
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	A predictive analytics framework as a countermeasure for attrition of students. <i>Interactive Learning Environments</i> , 2022, 30, 1028-1043.	4.4	11
2	Frequent itemset hiding revisited: pushing hiding constraints into mining. <i>Applied Intelligence</i> , 2022, 52, 2539-2555.	3.3	6
3	Revealing latent traits in the social behavior of distance learning students. <i>Education and Information Technologies</i> , 2022, 27, 3529-3565.	3.5	9
4	A Database Reconstruction Approach for the Inverse Frequent Itemset Mining Problem. <i>Learning and Analytics in Intelligent Systems</i> , 2022, , 45-58.	0.5	0
5	Inference Control in a Diabetes Data Set Using a Java-Based Prototype of LDH Algorithm. <i>Studies in Health Technology and Informatics</i> , 2022, 289, 414-417.	0.2	0
6	Supervised machine learning models for student performance prediction. <i>Intelligent Decision Technologies</i> , 2022, 16, 93-106.	0.6	2
7	Sensitive data hiding in financial anti-fraud process. <i>International Journal of Electronic Governance</i> , 2022, 14, 7.	0.1	0
8	Coping with Access Difficulties and Absenteeism through Data Visualization: A Case Study from a Rural Vocational School in Northern Greece. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6946.	1.3	0
9	Summarizing and linking electronic health records. <i>Distributed and Parallel Databases</i> , 2021, 39, 321-360.	1.0	3
10	Analyzing Sequence Data with Markov Chain Models in Scientific Experiments. <i>SN Computer Science</i> , 2021, 2, 385.	2.3	8
11	An IRT-based approach to assess the learning gain of a virtual reality lab students's experience. <i>Intelligent Decision Technologies</i> , 2021, 15, 487-496.	0.6	3
12	Knowledge Hiding in Decision Trees for Learning Analytics Applications. <i>Learning and Analytics in Intelligent Systems</i> , 2021, , 37-54.	0.5	0
13	A Data Pipeline to Preserve Privacy in Educational Settings. , 2021, , .		2
14	Resolving Infeasibility in Linear Programs for the Frequent Itemset Hiding Problem. , 2021, , .		1
15	MultiBlock: A Scalable Iterative Approach for Progressive Entity Resolution. , 2021, , .		1
16	Sensitizing young children on internet addiction and online safety risks through storytelling in a mobile application. <i>Education and Information Technologies</i> , 2020, 25, 163-174.	3.5	16
17	Polarity, emotions and online activity of students and tutors as features in predicting grades. <i>Intelligent Decision Technologies</i> , 2020, 14, 409-436.	0.6	12
18	A Constraint-Based Model for the Frequent Itemset Hiding Problem. <i>Communications in Computer and Information Science</i> , 2020, , 49-64.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Local Distortion Hiding (LDH) Algorithm: a Java-based prototype. , 2020, , .		1
20	Large-Scale Distributed Linkage of Records Containing Spatio-Temporal Information. , 2020, , .		0
21	Parallel based Hiding of Sensitive Knowledge. , 2020, , .		4
22	Local Distortion Hiding Algorithm in Medical Data: A Case Study Using CART. Studies in Health Technology and Informatics, 2020, 272, 99-102.	0.2	0
23	A predictive analytics framework as a countermeasure for attrition of students. Interactive Learning Environments, 2019, , 1-15.	4.4	3
24	On Using Linear Diophantine Equations for in-Parallel Hiding of Decision Tree Rules. Entropy, 2019, 21, 66.	1.1	7
25	Using Minimum Local Distortion to Hide Decision Tree Rules. Entropy, 2019, 21, 334.	1.1	5
26	Technology and School Unit Improvement: Researching, Reconsidering and Reconstructing the School Context through a Multi-Thematic Digital Storytelling Project. Social Sciences, 2019, 8, 49.	0.7	6
27	Local Distortion Hiding in Financial Technology application: a case study with a benchmark data set. , 2019, , .		1
28	Linkage of Spatio-Temporal Data and Trajectories. , 2019, , .		1
29	A blended learning course for playfully teaching programming concepts to school teachers. Education and Information Technologies, 2019, 24, 1237-1249.	3.5	22
30	The Pursuit of Patterns in Educational Data Mining as a Threat to Student Privacy. Journal of Interactive Media in Education, 2019, 2019, .	1.1	14
31	Privacy-Preserving Record Linkage. , 2019, , 1300-1307.		1
32	Hiding Decision Tree Rules in Medical Data: A Case Study. Studies in Health Technology and Informatics, 2019, 262, 368-371.	0.2	3
33	Privacy-Preserving Record Linkage. , 2018, , 1-8.		2
34	FEDERAL: A Framework for Distance-Aware Privacy-Preserving Record Linkage. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 292-304.	4.0	22
35	Measuring Engagement to Assess Performance of Students in Distance Learning. , 2018, , .		4
36	FEMRL: A Framework for Large-Scale Privacy-Preserving Linkage of Patientsâ€™ Electronic Health Records. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	An effective LA approach to predict student achievement. , 2018, , .		15
38	Fast schemes for online record linkage. Data Mining and Knowledge Discovery, 2018, 32, 1229-1250.	2.4	9
39	On Using Linear Diophantine Equations for Efficient Hiding of Decision Tree Rules. , 2018, , .		3
40	MapReduce Implementations for Privacy Preserving Record Linkage. , 2018, , .		0
41	A Prognosis of Junior High School Studentsâ€™ Performance Based on Active Learning Methods. Lecture Notes in Computer Science, 2017, , 67-76.	1.0	0
42	Sentiment Analysis to Track Emotion and Polarity in Student Fora. , 2017, , .		10
43	Distance-Aware Encoding of Numerical Values for Privacy-Preserving Record Linkage. , 2017, , .		15
44	Assessing Student Performance by Learning Analytics Dashboards. , 2017, 9, 101.	0.0	6
45	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
46	LSHDB: a parallel and distributed engine for record linkage and similarity search. , 2016, , .		16
47	Hashing-Based Distributed Multi-party Blocking for Privacy-Preserving Record Linkage. Lecture Notes in Computer Science, 2016, , 415-427.	1.0	12
48	Data set operations to hide decision tree rules. , 2016, , .		6
49	Design and construction of the Greek grammar checker. Digital Scholarship in the Humanities, 2016, , fqw025.	0.4	2
50	Promoting Active Learning using a web-based Audience Response System. , 2016, , .		1
51	A fast and efficient Hamming LSH-based scheme for accurate linkage. Knowledge and Information Systems, 2016, 49, 861-884.	2.1	23
52	A Tutorial on Blocking Methods for Privacy-Preserving Record Linkage. Lecture Notes in Computer Science, 2016, , 3-15.	1.0	2
53	A transversal hypergraph approach for the frequent itemset hiding problem. Knowledge and Information Systems, 2016, 47, 625-645.	2.1	21
54	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.	0.3	35

#	ARTICLE	IF	CITATIONS
55	Hiding decision tree rules by data set operations. , 2015, , .		2
56	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.	4.0	51
57	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.	3.2	27
58	E-comics in teaching: Evaluating and using comic strip creator tools for educational purposes. , 2015, , .		18
59	Scalable Blocking for Privacy Preserving Record Linkage. , 2015, , .		12
60	Large-Scale Multi-party Counting Set Intersection Using a Space Efficient Global Synopsis. Lecture Notes in Computer Science, 2015, , 329-345.	1.0	9
61	Privacy Preserving Blocking and Meta-Blocking. Lecture Notes in Computer Science, 2015, , 232-236.	1.0	3
62	An Integer Linear Programming Scheme to Sanitize Sensitive Frequent Itemsets. , 2014, , .		7
63	Challenges for privacy preservation in data integration. Journal of Data and Information Quality, 2014, 5, 1-3.	1.5	9
64	Towards Secure and Practical Location Privacy through Private Equality Testing. Lecture Notes in Computer Science, 2014, , 312-325.	1.0	4
65	Knowledge Sanitization on the Web. , 2014, , .		1
66	A distributed near-optimal LSH-based framework for privacy-preserving record linkage. Computer Science and Information Systems, 2014, 11, 745-763.	0.7	18
67	An Evaluation Framework for Privacy-Preserving Record Linkage. Journal of Privacy and Confidentiality, 2014, 6, .	1.1	27
68	Privacy-preserving record linkage. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 321-332.	4.6	7
69	Association rule hiding methods. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 28-36.	4.6	47
70	Efficient two-party private blocking based on sorted nearest neighborhood clustering. , 2013, , .		20
71	A taxonomy of privacy-preserving record linkage techniques. Information Systems, 2013, 38, 946-969.	2.4	210
72	A Novel Mobile Framework for Anonymity Techniques and Services Research. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
73	A distributed framework for scaling Up LSH-based computations in privacy preserving record linkage. , 2013, , .		11
74	A Simulator for Privacy Preserving Record Linkage. Communications in Computer and Information Science, 2013, , 164-173.	0.4	1
75	Reference table based k-anonymous private blocking. , 2012, , .		24
76	A Highly Efficient and Secure Multidimensional Blocking Approach for Private Record Linkage. , 2012, , .		4
77	A Sorted Neighborhood Approach to Multidimensional Privacy Preserving Blocking. , 2012, , .		16
78	Fake Injection Strategies for Private Phonetic Matching. Lecture Notes in Computer Science, 2012, , 9-24.	1.0	27
79	Concealing the position of individuals in location-based services. Operational Research, 2011, 11, 201-214.	1.3	2
80	Advances in Privacy Preserving Record Linkage. Advances in Web Technologies and Engineering Book Series, 2011, , 22-34.	0.4	7
81	Uncertainty for Privacy and 2-Dimensional Range Query Distortion. Journal of Computing Science and Engineering, 2011, 5, 210-222.	0.3	2
82	Secure Blocking + Secure Matching = Secure Record Linkage. Journal of Computing Science and Engineering, 2011, 5, 223-235.	0.3	30
83	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.	3.2	67
84	Association Rule Hiding for Data Mining. The Kluwer International Series on Advances in Database Systems, 2010, , .	1.1	41
85	A data perturbation approach to sensitive classification rule hiding. , 2010, , .		19
86	Uncertainty for Anonymity and 2-Dimensional Range Query Distortion. Lecture Notes in Computer Science, 2010, , 85-96.	1.0	0
87	EXACT KNOWLEDGE HIDING IN TRANSACTIONAL DATABASES. International Journal on Artificial Intelligence Tools, 2009, 18, 17-37.	0.7	2
88	Optimal Stopping. Journal of Data and Information Quality, 2009, 1, 1-34.	1.5	6
89	Hiding sensitive knowledge without side effects. Knowledge and Information Systems, 2009, 20, 263-299.	2.1	49
90	A network aware privacy model for online requests in trajectory data. Data and Knowledge Engineering, 2009, 68, 431-452.	2.1	16

#	ARTICLE	IF	CITATIONS
91	Privacy Preserving Record Linkage Using Phonetic Codes. , 2009, , .		34
92	PLOT: Privacy in Location Based Services: An Open-Ended Toolbox. , 2009, , .		5
93	Exact Knowledge Hiding through Database Extension. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 699-713.	4.0	82
94	Privacy preserving record linkage approaches. International Journal of Data Mining, Modelling and Management, 2009, 1, 206.	0.1	28
95	Association Rule Hiding Methods. , 2009, , 71-75.		0
96	A MaxMin approach for hiding frequent itemsets. Data and Knowledge Engineering, 2008, 65, 75-89.	2.1	68
97	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.	3.2	23
98	A Survey of Association Rule Hiding Methods for Privacy. The Kluwer International Series on Advances in Database Systems, 2008, , 267-289.	1.1	44
99	A Parallelization Framework for Exact Knowledge Hiding in Transactional Databases. International Federation for Information Processing, 2008, , 349-363.	0.4	4
100	A Free Terrain Model for Trajectory K��Anonymity. Lecture Notes in Computer Science, 2008, , 49-56.	1.0	14
101	A k-Anonymity Model for Spatio-Temporal Data. , 2007, , .		10
102	Duplicate Record Detection: A Survey. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 1-16.	4.0	1,042
103	Efficient algorithms for distortion and blocking techniques in association rule hiding. Distributed and Parallel Databases, 2007, 22, 85-104.	1.0	27
104	A Max-Min Approach for Hiding Frequent Itemsets. , 2006, , .		30
105	An integer programming approach for frequent itemset hiding. , 2006, , .		68
106	A generalized cost optimal decision model for record matching. , 2004, , .		6
107	An Experimental Study of Distortion-Based Techniques for Association Rule Hiding. , 2004, , 325-339.		33
108	A quantitative and qualitative ANALYSIS of blocking in association rule hiding. , 2004, , .		13

#	ARTICLE	IF	CITATIONS
109	State-of-the-art in privacy preserving data mining. SIGMOD Record, 2004, 33, 50-57.	0.7	661
110	Association rule hiding. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 434-447.	4.0	389
111	Improving Data Quality in Practice: A Case Study in the Italian Public Administration. Distributed and Parallel Databases, 2003, 13, 135-160.	1.0	21
112	A Bayesian decision model for cost optimal record matching. VLDB Journal, 2003, 12, 28-40.	2.7	68
113	A Knowledge Discovery Methodology for Behavior Analysis of Large-Scale Applications on Parallel Architectures. Lecture Notes in Computer Science, 2003, , 739-748.	1.0	0
114	Using unknowns to prevent discovery of association rules. SIGMOD Record, 2001, 30, 45-54.	0.7	250
115	Hiding Association Rules by Using Confidence and Support. Lecture Notes in Computer Science, 2001, , 369-383.	1.0	218
116	Automating the approximate record-matching process. Information Sciences, 2000, 126, 83-98.	4.0	72
117	PYTHIA-II. ACM Transactions on Mathematical Software, 2000, 26, 227-253.	1.6	47
118	BIND: A biomedical INteroperable database system. Lecture Notes in Computer Science, 1994, , 671-679.	1.0	0
119	On the testability of purely recursive digital filters. Lecture Notes in Computer Science, 1994, , 85-96.	1.0	1
120	Privacy Preserving Data Mining. Advances in Data Mining and Database Management Book Series, 0, , 125-141.	0.4	1
122	Advances in Privacy Preserving Record Linkage. , 0, , 1682-1694.		2