

Michal Kvet

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

301
citations

1306789

7
h-index

1281420

11
g-index

75
all docs

75
docs citations

75
times ranked

68
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of query performance in relational a non-relation databases. Transportation Research Procedia, 2019, 40, 170-177.	0.8	30
2	Transaction management in temporal system. , 2014, , .		18
3	Transaction Management in Fully Temporal System. , 2014, , .		17
4	The Complexity of the Data Retrieval Process Using the Proposed Index Extension. IEEE Access, 2022, 10, 46187-46213.	2.6	15
5	Uni-temporal Modelling Extension at the Object vs. Attribute Level. , 2013, , .		12
6	Epsilon temporal data in MRI results processing. , 2014, , .		12
7	Complex time management in databases. Open Computer Science, 2014, 4, .	1.3	11
8	Concept of temporal data retrieval: Undefined value management. Concurrency Computation Practice and Experience, 2020, 32, e5399.	1.4	11
9	Concept of Dynamic Index Management in Temporal Approach Using Intelligent Transport Systems. Advances in Intelligent Systems and Computing, 2017, , 549-560.	0.5	10
10	Temporal transaction integrity constraints management. Cluster Computing, 2017, 20, 673-688.	3.5	9
11	Medical data management. , 2017, , .		8
12	Relational Data Index Consolidation. , 2021, , .		8
13	Versioned database storage using unitemporal relational database. , 2019, , .		7
14	Algorithm for brain tumour detections. Acta Electrotechnica Et Informatica, 2012, 12, .	0.3	7
15	Data Distribution in Ad-hoc Transport Network. , 2019, , .		6
16	Analysis of current trends in relational database indexing. , 2020, , .		6
17	Data Block and Tuple Identification Using Master Index. Sensors, 2020, 20, 1848.	2.1	6
18	Master Index Access as a Data Tuple and Block Locator. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Temporal data modelling. , 2013, , .		5
20	Temporal database management: Temporal registration. , 2017, , .		5
21	Study on Effective Temporal Data Retrieval Leveraging Complex Indexed Architecture. Applied Sciences (Switzerland), 2021, 11, 916.	1.3	5
22	Database Index Balancing Strategy. , 2021, , .		5
23	Computational Study of Emergency Service System Reengineering Under Generalized Disutility. Communications in Computer and Information Science, 2019, , 198-219.	0.4	5
24	Magnetic resonance imaging results processing. , 2013, , .		4
25	Impact of Index Structures on Temporal Database Performance. , 2016, , .		4
26	Locating and accessing large datasets using Flower Index Approach. Concurrency Computation Practice and Experience, 2020, 32, e5209.	1.4	4
27	Managing, Locating and Evaluating Undefined Values in Relational Databases. Advances in Intelligent Systems and Computing, 2021, , 118-127.	0.5	4
28	Increasing Security of Database During Car Monitoring. Transportation Research Procedia, 2021, 55, 118-125.	0.8	4
29	Enhanced Bit Repair IP Fast Reroute Mechanism for Rapid Network Recovery. Applied Sciences (Switzerland), 2021, 11, 3133.	1.3	4
30	Mapping rules for schema transformation : SQL to NoSQL and back. , 2021, , .		4
31	Relational Pre-indexing Layer Supervised by the DB_index_consolidator Background Process. , 2021, , .		4
32	Temporal Flower Index Eliminating Impact of High Water Mark. Communications in Computer and Information Science, 2018, , 85-98.	0.4	4
33	Temporal Context Manager. Advances in Intelligent Systems and Computing, 2017, , 169-192.	0.5	4
34	Autonomous Temporal Transaction Database. , 2021, , .		4
35	Sensor based transaction temporal database architecture. , 2015, , .		3
36	Index distribution management in attribute level temporal model. , 2015, , .		2

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37	Performance study of the index structures in audited environment. , 2016, , .		2
38	Temporal index dispatcher layer service for intelligent transport system. , 2016, , .		2
39	Temporal data group management: Synchronization layer using attribute oriented approach. , 2017, , .		2
40	Efficiency of the relational database tuple access. , 2019, , .		2
41	Study of duplicate tuple management. , 2021, , .		2
42	Covering Undefined and Untrusted Values by the Database Index. Lecture Notes in Networks and Systems, 2022, , 473-483.	0.5	2
43	Uni-temporal and Bi-temporal table. , 2013, , .		1
44	Accuracy sensitivity of the radial approach to large public service system design. , 2016, , .		1
45	Managing and Storing Function Results in Temporal Approach. , 2016, , .		1
46	Complex Data Management in MRI Results Processing. Studies in Computational Intelligence, 2016, , 119-141.	0.7	1
47	Analysis of Temporal Data Management in the Intelligent Transport System. , 2018, , .		1
48	Comparison of Distributed Data Transformation and Comparing Query performance In Relational and Non-relational Database. , 2019, , .		1
49	Data Management in Hierarchical Database - Branches Notification. , 2019, , .		1
50	Improved method of selecting data in a nonrelational database. , 2021, , .		1
51	Flower Master Index for Relational Database Selection and Joining. Advances in Intelligent Systems and Computing, 2021, , 181-202.	0.5	1
52	Time as the Important Factor of the Data Retrieval – Table Type Classification. Advances in Intelligent Systems and Computing, 2017, , 492-502.	0.5	1
53	Concept of Temporal Data Retrieval Undefined Value Management. Communications in Computer and Information Science, 2018, , 63-74.	0.4	1
54	Use of Machine Learning for the Unknown Values in Database Transformation Processes. , 2021, , .		1

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55	Data Loading and Migration Methods in the Cloud Environment. , 2021, , .		1
56	Autonomous Temporal Time Zone Management. , 2021, , .		1
57	School information system. , 2020, , .		1
58	Column Level Uni -Temporal Data. Communications - Scientific Letters of the University of Zilina, 2014, 16, 97-104.	0.3	1
59	Extended Column Level Temporal System Indexing. , 2014, , .		0
60	Data management in bioengineering systems. , 2015, , .		0
61	Experimental comparison of syntax and semantics of DBS Oracle and MySQL. , 2016, , .		0
62	Trigger Performance Characteristics in Temporal Environment. , 2016, , .		0
63	Temporal Index Location in Multiple Tablespace Type Definitions. Procedia Engineering, 2017, 192, 516-521.	1.2	0
64	Temporal data retrieval efficiency. , 2017, , .		0
65	Temporal model architecture and operations. , 2017, , .		0
66	Database optimizer extensions using preprocessing layer in temporal environment. , 2017, , .		0
67	Temporal Extension of the Select Statement " New Clauses. , 2018, , .		0
68	Temporal Database Architecture Enhancements. , 2018, , .		0
69	Comparison of Apache Technology in Distributed Environment. , 2019, , .		0
70	Temporal Data Version Identification using Signature Hash. , 2019, , .		0
71	The efficiency of the Temporal Medical Data Retrieval. , 2021, , .		0
72	Using Triggers to Provide Database Management and Performance - Temporal Environment. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0

#	ARTICLE	IF	CITATIONS
73	Solution Management for Current Temporal Aspect Using Tuple Versions. , 2020, , .		0
74	The Impact of Table and Index Compression. , 2021, , .		0