Karol MatiaÅ¡ko

List of Publications by Year
in descending order

56 papers	**174** citations
1683354 **5** h-index	1588620 **8** g-index
57 all docs	**57** docs citations
57 times ranked	**48** citing authors

#	Article	IF	Citations
1	Transaction management in temporal system. , 2014, , .		18
2	Uni-temporal Modelling Extension at the Object vs. Attribute Level. , 2013, , .		12
3	Epsilon temporal data in MRI results processing. , 2014, , .		12
4	Complex time management in databases. Open Computer Science, 2014, 4, .	1.3	11
5	Concept of Dynamic Index Management in Temporal Approach Using Intelligent Transport Systems. Advances in Intelligent Systems and Computing, 2017, , 549-560.	0.5	10
6	Temporal transaction integrity constraints management. Cluster Computing, 2017, 20, 673-688.	3.5	9
7	Medical data management. , 2017, , .		8
8	Algorithmic model for risk assessment of heart failure patients. , 2015, , .		7
9	Algorithm for brain tumour detections. Acta Electrotechnica Et Informatica, 2012, 12, .	0.3	7
10	Analysis of current trends in relational database indexing. , 2020, , .		6
11	Data Block and Tuple Identification Using Master Index. Sensors, 2020, 20, 1848.	2.1	6
12	Master Index Access as a Data Tuple and Block Locator. , 2019, , .		6
13	Temporal data modelling. , 2013, , .		5
14	Study on Effective Temporal Data Retrieval Leveraging Complex Indexed Architecture. Applied Sciences (Switzerland), 2021, 11, 916.	1.3	5
15	Magnetic resonance imaging results processing. , 2013, , .		4
16	Impact of Index Structures on Temporal Database Performance. , 2016, , .		4
17	Locating and accessing large datasets using Flower Index Approach. Concurrency Computation Practice and Experience, 2020, 32, e5209.	1.4	4
18	Managing, Locating and Evaluating Undefined Values in Relational Databases. Advances in Intelligent Systems and Computing, 2021, , 118-127.	0.5	4

#	Article	IF	Citations
19	Increasing Security of Database During Car Monitoring. Transportation Research Procedia, 2021, 55, 118-125.	0.8	4
20	Mapping rules for schema transformation : SQL to NoSQL and back. , 2021, , .		4
21	Temporal Flower Index Eliminating Impact of High Water Mark. Communications in Computer and Information Science, 2018, , 85-98.	0.4	4
22	Temporal Context Manager. Advances in Intelligent Systems and Computing, 2017, , 169-192.	0.5	4
23	Sensor based transaction temporal database architecture. , 2015, , .		3
24	Temporal index dispatcher layer service for intelligent transport system. , 2016, , .		2
25	Temporal data group management: Synchronization layer using attribute oriented approach. , 2017, , .		2
26	Efficiency of the relational database tuple access. , 2019, , .		2
27	Dynamic Reliability Indices for Series and Parallel Multi-State System. , 2007, , .		1
28	PDDA algorithm for DDBS in VANET. , 2012, , .		1
29	Uni-temporal and Bi-temporal table. , 2013, , .		1
30	Linguistic variable elimination for a heart failure dataset. , 2015, , .		1
31	Complex Data Management in MRI Results Processing. Studies in Computational Intelligence, 2016, , 119-141.	0.7	1
32	Analysis of Temporal Data Management in the Intelligent Transport System. , 2018, , .		1
33	Data Management in Hierarchical Database - Branches Notification. , 2019, , .		1
34	Improved method of selecting data in a nonrelational database. , 2021, , .		1
35	Time as the Important Factor of the Data Retrieval â€" Table Type Classification. Advances in Intelligent Systems and Computing, 2017, , 492-502.	0.5	1
36	Concept of Temporal Data Retrieval Undefined Value Management. Communications in Computer and Information Science, 2018, , 63-74.	0.4	1

#	Article	IF	Citations
37	Column Level Uni -Temporal Data. Communications - Scientific Letters of the University of Zilina, 2014, 16, 97-104.	0.3	1
38	Data management in bioengineering systems. , 2015, , .		0
39	Experimental comparison of syntax and semantics of DBS Oracle and MySQL. , 2016, , .		0
40	Database Object Dependencies Modeling. , 2016, , .		0
41	Database Object Dependency tool. , 2016, , .		0
42	Trigger Performance Characteristics in Temporal Environment. , 2016, , .		0
43	Temporal Index Location in Multiple Tablespace Type Definitions. Procedia Engineering, 2017, 192, 516-521.	1.2	0
44	Temporal data retrieval efficiency. , 2017, , .		0
45	Temporal model architecture and operations. , 2017, , .		0
46	Database optimizer extensions using preprocessing layer in temporal environment. , 2017, , .		0
47	Temporal Extension of the Select Statement â€" New Clauses. , 2018, , .		0
48	Temporal Database Architecture Enhancements. , 2018, , .		0
49	Temporal Data Version Identification using Signature Hash. , 2019, , .		0
50	Database Approach for Increasing Reliability in Distributed Information Systems. Studies in Computational Intelligence, 2021, , 165-177.	0.7	0
51	The Effect of Partitioning and Indexing on Data Access Time. , 2021, , .		0
52	The efficiency of the Temporal Medical Data Retrieval. , 2021, , .		0
53	Various Approaches Proposed for Eliminating Duplicate Data in a System. Communications - Scientific Letters of the University of Zilina, 2021, 23, A223-A232.	0.3	0
54	Using Triggers to Provide Database Management and Performance - Temporal Environment. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0

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55	Versioning Data During Migration Processes in Cloud Environment. , 2020, , .		0
56	Reducing Data Access Time using Table Partitioning Techniques. , 2020, , .		0