

# Karol MatiaÅiko

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Managing, Locating and Evaluating Undefined Values in Relational Databases. Advances in Intelligent Systems and Computing, 2021, , 118-127.	0.5	4
2	Increasing Security of Database During Car Monitoring. Transportation Research Procedia, 2021, 55, 118-125.	0.8	4
3	Study on Effective Temporal Data Retrieval Leveraging Complex Indexed Architecture. Applied Sciences (Switzerland), 2021, 11, 916.	1.3	5
4	Database Approach for Increasing Reliability in Distributed Information Systems. Studies in Computational Intelligence, 2021, , 165-177.	0.7	0
5	The Effect of Partitioning and Indexing on Data Access Time. , 2021, , .		0
6	Mapping rules for schema transformation : SQL to NoSQL and back. , 2021, , .		4
7	The efficiency of the Temporal Medical Data Retrieval. , 2021, , .		0
8	Improved method of selecting data in a nonrelational database. , 2021, , .		1
9	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
10	Locating and accessing large datasets using Flower Index Approach. Concurrency Computation Practice and Experience, 2020, 32, e5209.	1.4	4
11	Analysis of current trends in relational database indexing. , 2020, , .		6
12	Data Block and Tuple Identification Using Master Index. Sensors, 2020, 20, 1848.	2.1	6
13	Versioning Data During Migration Processes in Cloud Environment. , 2020, , .		0
14	Reducing Data Access Time using Table Partitioning Techniques. , 2020, , .		0
15	Efficiency of the relational database tuple access. , 2019, , .		2
16	Temporal Data Version Identification using Signature Hash. , 2019, , .		0
17	Data Management in Hierarchical Database - Branches Notification. , 2019, , .		1
18	Master Index Access as a Data Tuple and Block Locator. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Temporal Extension of the Select Statement – New Clauses. , 2018, , .		0
20	Analysis of Temporal Data Management in the Intelligent Transport System. , 2018, , .		1
21	Temporal Database Architecture Enhancements. , 2018, , .		0
22	Concept of Temporal Data Retrieval Undefined Value Management. Communications in Computer and Information Science, 2018, , 63-74.	0.4	1
23	Temporal Flower Index Eliminating Impact of High Water Mark. Communications in Computer and Information Science, 2018, , 85-98.	0.4	4
24	Temporal transaction integrity constraints management. Cluster Computing, 2017, 20, 673-688.	3.5	9
25	Temporal Index Location in Multiple Tablespace Type Definitions. Procedia Engineering, 2017, 192, 516-521.	1.2	0
26	Medical data management. , 2017, , .		8
27	Temporal data retrieval efficiency. , 2017, , .		0
28	Temporal model architecture and operations. , 2017, , .		0
29	Database optimizer extensions using preprocessing layer in temporal environment. , 2017, , .		0
30	Temporal data group management: Synchronization layer using attribute oriented approach. , 2017, , .		2
31	Time as the Important Factor of the Data Retrieval – Table Type Classification. Advances in Intelligent Systems and Computing, 2017, , 492-502.	0.5	1
32	Concept of Dynamic Index Management in Temporal Approach Using Intelligent Transport Systems. Advances in Intelligent Systems and Computing, 2017, , 549-560.	0.5	10
33	Temporal Context Manager. Advances in Intelligent Systems and Computing, 2017, , 169-192.	0.5	4
34	Impact of Index Structures on Temporal Database Performance. , 2016, , .		4
35	Experimental comparison of syntax and semantics of DBS Oracle and MySQL. , 2016, , .		0
36	Database Object Dependencies Modeling. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Temporal index dispatcher layer service for intelligent transport system. , 2016, , .		2
38	Database Object Dependency tool. , 2016, , .		0
39	Trigger Performance Characteristics in Temporal Environment. , 2016, , .		0
40	Complex Data Management in MRI Results Processing. Studies in Computational Intelligence, 2016, , 119-141.	0.7	1
41	Algorithmic model for risk assessment of heart failure patients. , 2015, , .		7
42	Data management in bioengineering systems. , 2015, , .		0
43	Linguistic variable elimination for a heart failure dataset. , 2015, , .		1
44	Sensor based transaction temporal database architecture. , 2015, , .		3
45	Complex time management in databases. Open Computer Science, 2014, 4, .	1.3	11
46	Epsilon temporal data in MRI results processing. , 2014, , .		12
47	Transaction management in temporal system. , 2014, , .		18
48	Column Level Uni -Temporal Data. Communications - Scientific Letters of the University of Zilina, 2014, 16, 97-104.	0.3	1
49	Uni-temporal Modelling Extension at the Object vs. Attribute Level. , 2013, , .		12
50	Magnetic resonance imaging results processing. , 2013, , .		4
51	Uni-temporal and Bi-temporal table. , 2013, , .		1
52	Temporal data modelling. , 2013, , .		5
53	PDDA algorithm for DDBS in VANET. , 2012, , .		1
54	Algorithm for brain tumour detections. Acta Electrotechnica Et Informatica, 2012, 12, .	0.3	7

#	ARTICLE	IF	CITATIONS
55	Dynamic Reliability Indices for Series and Parallel Multi-State System. , 2007, , .		1
56	Using Triggers to Provide Database Management and Performance - Temporal Environment. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0