

Karpinski Mikolaj

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

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citations

1478505

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65
all docs

65
docs citations

65
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Additive Fibonacci Generators with Improved Characteristics for Cybersecurity Needs. Applied Sciences (Switzerland), 2022, 12, 1519.	2.5	8
2	Digital Maturity of Retail Enterprises in Ukraine: Technology of Definition and Directions of Improvement. Lecture Notes in Business Information Processing, 2021, , 3-21.	1.0	2
3	Ensuring Data Integrity in Databases with the Universal Basis of Relations. Applied Sciences (Switzerland), 2021, 11, 8781.	2.5	3
4	Blockchain Technologies: Probability of Double-Spend Attack on a Proof-of-Stake Consensus. Sensors, 2021, 21, 6408.	3.8	9
5	Information Security Measures in Homogeneous Wireless Sensor Networks. Procedia Computer Science, 2021, 192, 2699-2708.	2.0	3
6	Nonlinearity of Many-Valued Logic Component Functions of Modern Cryptographic Algorithms S-boxes. Procedia Computer Science, 2021, 192, 2731-2741.	2.0	0
7	The Diagnostic Model for Assessing the State of Stability of an Industrial Enterprise. Lecture Notes in Business Information Processing, 2021, , 51-67.	1.0	2
8	Theoretical Bases for Reducing the Time Complexity of the Rabin Cryptosystem. Advances in Intelligent Systems and Computing, 2021, , 628-639.	0.6	0
9	Technique for Evaluating the Security of Relational Databases Based on the Enhanced Clements's Hoffman Model. Applied Sciences (Switzerland), 2021, 11, 11175.	2.5	1
10	A New Approach to the Development of Additive Fibonacci Generators Based on Prime Numbers. Electronics (Switzerland), 2021, 10, 2912.	3.1	6
11	Geospatial Assessment of the Territorial Road Network by Fractal Method. Future Internet, 2020, 12, 201.	3.8	6
12	On Optimization Techniques for the Construction of an Exponential Estimate for Delayed Recurrent Neural Networks. Symmetry, 2020, 12, 1731.	2.2	0
13	Hiding the Source Code of Stored Database Programs. Information (Switzerland), 2020, 11, 576.	2.9	3
14	Evaluation of Information Security Software Using Quality and Reliability Criteria. , 2020, , .		2
15	Development of Intrusion Monitoring System in Wireless Sensor Networks Based on Neural Networks. , 2020, , .		2
16	Global Asymptotic Stability and Nonlinear Analysis of the Model of the Square Immunopixels Array Based on Delay Lattice Differential Equations. Symmetry, 2020, 12, 40.	2.2	2
17	Design And Implementation of The Control System In The Electrospinning Machine Of The Nanocomposites For The Medical Use. , 2019, , .		0
18	Influence of radiation at different RF frequencies on Bovine Serum Albumin stability in the aspect of biosensor. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Effective Algorithms for Finding the Remainder of Multi-Digit Numbers. , 2019, , .		13
20	On implementation of decision tree induction in cloud platforms. , 2019, , .		1
21	Approach to Managing Data From Diverse Sources. , 2019, , .		3
22	Comparative Analysis of Key Encapsulation Mechanisms. , 2019, , .		2
23	A Method for Decimal Number Recovery from its Residues Based on the Addition of the Product Modules. , 2019, , .		6
24	New Quantum Secret Sharing Protocol Using Entangled Qutrits. , 2019, , .		0
25	Information Systems for Processes Maintenance in Socio-communication and Resource Networks of the Smart Cities. Advances in Intelligent Systems and Computing, 2019, , 192-205.	0.6	0
26	AUTHENTICATION PROCESS THREATS IN THE CLOUD TECHNOLOGIES. , 2019, , .		0
27	On the effect of the window size on the assessment of particle diffusion. Journal of Hydraulic Research/De Recherches Hydrauliques, 2018, 56, 560-566.	1.7	6
28	The technology of the video stream intensity controlling based on the bit-planes recombination. , 2018, , .		24
29	Information Technologies of Internet Devices and BigData in the "Smart Cities" Projects. , 2018, , .		0
30	Autoencoder Neural Networks for Outlier Correction in ECG- Based Biometric Identification. , 2018, , .		10
31	On the Relationship between Aquatic Plant Stem Characteristics and Drag Force: Is a Modeling Application Possible?. Water (Switzerland), 2018, 10, 540.	2.7	12
32	On the principal eigenvalue of the Stokes operator in cylindrical domains. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2018, 98, 1742-1753.	1.6	0
33	SIMULATION OF ARTIFICIAL NEURAL NETWORKS FOR ASSESSING THE ECOLOGICAL STATE OF SURFACE WATER. , 2018, , .		7
34	WATER BODIES POLLUTION OF THE MINING AND CHEMICAL ENTERPRISE. , 2018, , .		5
35	INCREASING THE LEVEL OF INFORMATION SECURITY IN WIRELESS SENSOR NETWORKS BY IMPROVING THEIR GEOMETRIC MODELS. , 2018, , .		0
36	DEVELOPMENT OF METHODOLOGICAL BASIS OF MANAGEMENT OF INFORMATION PROTECTION IN THE SEGMENT OF CORPORATE INFORMATION SYSTEMS. , 2018, , .		1

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37	DESIGN AND RESEARCH OF OPERATIONAL AND PIPELINED BINARY NUMBER SORTING DEVICES. , 2018, , .		1
38	MATHEMATICAL MODELLING OF SALT SOLUTIONS FILTRATION AND OF MOISTURE TRANSFER IN SATURATED-NON-SATURATED SOIL MASS UNDER THE ACTION OF VERTICAL DRAINAGE. , 2018, , .		0
39	Security amplification of the computer-aided voting system using quantum cryptography protocols. , 2017, , .		0
40	The etalon models of linguistic variables for sniffing-attack detection. , 2017, , .		3
41	Segment approximation approach for reconstructing of surface topology. , 2017, , .		0
42	Development of simulator automated dispatch control system for implementation in learning process. , 2017, , .		3
43	Circuit with distributed resistance sensor based on the residue numerical system. Przegląd Elektrotechniczny, 2017, 1, 292-296.	0.2	0
44	Mathematical model in task of recurrent laryngeal nerve identification by electrophysiological method. Przegląd Elektrotechniczny, 2017, 1, 268-272.	0.2	0
45	Advanced method of factorization of multi-bit numbers based on Fermat's theorem in the system of residual classes. , 2016, , .		36
46	Wireless sensor networks with randomized parameters. , 2016, , .		0
47	Estimation problem for network model at state and measurements attacks and information cost criterion. , 2016, , .		1
48	Diffusion of bedload particles in open-channel flows: distribution of travel times and second-order statistics of particle trajectories. Environmental Fluid Mechanics, 2015, 15, 1281-1292.	1.6	25
49	A survey of modern IP traceback methodologies. , 2015, , .		6
50	Implementation technology software-defined networking in Wireless Sensor Networks. , 2015, , .		3
51	Research Distributed Attacks in Computer Networks. Biosciences, Biotechnology Research Asia, 2015, 12, 737-744.	0.5	2
52	Bedform characteristics in natural and regulated channels: A comparative field study on the Wilga River, Poland. Acta Geophysica, 2014, 62, 1413-1434.	2.0	20
53	Anatomy and efficiency of urban multimodal mobility. Scientific Reports, 2014, 4, 6911.	3.3	89
54	Design and implementation of a digital control and monitoring system for an AC/DC UPS. , 2011, , .		6

#	ARTICLE	IF	CITATIONS
55	The monitoring system of DoS/DDoS attacks in the global network. , 2011, , .		1
56	Modern Approaches to the Database Protection. , 2007, , .		4
57	Masked Encryption Algorithm mCrypton for Resource-Constrained Devices. , 2007, , .		3
58	Comparative Analysis of Secret Information Leakage Risk during Timing Analysis of General Modular Exponentiation Methods. , 2006, , .		0
59	Formalization Assessment Criterion Attacks on Cryptosystems Using Elliptic Curves. , 2005, , .		0
60	Modern Algorithms and Methods of the Person Biometric Identification. , 2005, , .		7
61	Reliability of RSA algorithm and its computational complexity. , 0, , .		7
62	Development of VHDL-based core with embedded steganography function. , 0, , .		1
63	The structure of the voice authentication system. , 0, , .		0
64	FORMALIZED REPRESENTATION FOR THE DATA MODEL WITH THE UNIVERSAL BASIS OF RELATIONS. International Journal of Computing, 0, , 453-460.	1.5	2