

# Karpinski Mikolaj

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

363  
citations

1478505

6  
h-index

1058476

14  
g-index

65  
all docs

65  
docs citations

65  
times ranked

380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anatomy and efficiency of urban multimodal mobility. Scientific Reports, 2014, 4, 6911.	3.3	89
2	Advanced method of factorization of multi-bit numbers based on Fermat's theorem in the system of residual classes. , 2016, , .		36
3	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
4	The technology of the video stream intensity controlling based on the bit-planes recombination. , 2018, , .		24
5	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
6	Effective Algorithms for Finding the Remainder of Multi-Digit Numbers. , 2019, , .		13
7	On the Relationship between Aquatic Plant Stem Characteristics and Drag Force: Is a Modeling Application Possible?. Water (Switzerland), 2018, 10, 540.	2.7	12
8	Autoencoder Neural Networks for Outlier Correction in ECG- Based Biometric Identification. , 2018, , .		10
9	Blockchain Technologies: Probability of Double-Spend Attack on a Proof-of-Stake Consensus. Sensors, 2021, 21, 6408.	3.8	9
10	Development of Additive Fibonacci Generators with Improved Characteristics for Cybersecurity Needs. Applied Sciences (Switzerland), 2022, 12, 1519.	2.5	8
11	Reliability of RSA algorithm and its computational complexity. , 0, , .		7
12	Modern Algorithms and Methods of the Person Biometric Identification. , 2005, , .		7
13	SIMULATION OF ARTIFICIAL NEURAL NETWORKS FOR ASSESSING THE ECOLOGICAL STATE OF SURFACE WATER. , 2018, , .		7
14	Design and implementation of a digital control and monitoring system for an AC/DC UPS. , 2011, , .		6
15	A survey of modern IP traceback methodologies. , 2015, , .		6
16	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
17	A Method for Decimal Number Recovery from its Residues Based on the Addition of the Product Modules. , 2019, , .		6
18	Geospatial Assessment of the Territorial Road Network by Fractal Method. Future Internet, 2020, 12, 201.	3.8	6

#	ARTICLE	IF	CITATIONS
19	A New Approach to the Development of Additive Fibonacci Generators Based on Prime Numbers. Electronics (Switzerland), 2021, 10, 2912.	3.1	6
20	WATER BODIES POLLUTION OF THE MINING AND CHEMICAL ENTERPRISE. , 2018, , .		5
21	Modern Approaches to the Database Protection. , 2007, , .		4
22	Masked Encryption Algorithm mCrypton for Resource-Constrained Devices. , 2007, , .		3
23	Implementation technology software-defined networking in Wireless Sensor Networks. , 2015, , .		3
24	The etalon models of linguistic variables for sniffing-attack detection. , 2017, , .		3
25	Development of simulator automated dispatch control system for implementation in learning process. , 2017, , .		3
26	Approach to Managing Data From Diverse Sources. , 2019, , .		3
27	Hiding the Source Code of Stored Database Programs. Information (Switzerland), 2020, 11, 576.	2.9	3
28	Ensuring Data Integrity in Databases with the Universal Basis of Relations. Applied Sciences (Switzerland), 2021, 11, 8781.	2.5	3
29	Information Security Measures in Homogeneous Wireless Sensor Networks. Procedia Computer Science, 2021, 192, 2699-2708.	2.0	3
30	Comparative Analysis of Key Encapsulation Mechanisms. , 2019, , .		2
31	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
32	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
33	Evaluation of Information Security Software Using Quality and Reliability Criteria. , 2020, , .		2
34	Development of Intrusion Monitoring System in Wireless Sensor Networks Based on Neural Networks. , 2020, , .		2
35	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
36	FORMALIZED REPRESENTATION FOR THE DATA MODEL WITH THE UNIVERSAL BASIS OF RELATIONS. International Journal of Computing, 0, , 453-460.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Research Distributed Attacks in Computer Networks. Biosciences, Biotechnology Research Asia, 2015, 12, 737-744.	0.5	2
38	Development of VHDL-based core with embedded steganography function. , 0, , .		1
39	The monitoring system of DoS/DDoS attacks in the global network. , 2011, , .		1
40	Estimation problem for network model at state and measurements attacks and information cost criterion. , 2016, , .		1
41	Influence of radiation at different RF frequencies on Bovine Serum Albumin stability in the aspect of biosensor. , 2019, , .		1
42	On implementation of decision tree induction in cloud platforms. , 2019, , .		1
43	DEVELOPMENT OF METHODOLOGICAL BASIS OF MANAGEMENT OF INFORMATION PROTECTION IN THE SEGMENT OF CORPORATE INFORMATION SYSTEMS. , 2018, , .		1
44	DESIGN AND RESEARCH OF OPERATIONAL AND PIPELINED BINARY NUMBER SORTING DEVICES. , 2018, , .		1
45	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
46	The structure of the voice authentication system. , 0, , .		0
47	Formalization Assessment Criterion Attacks on Cryptosystems Using Elliptic Curves. , 2005, , .		0
48	Comparative Analysis of Secret Information Leakage Risk during Timing Analysis of General Modular Exponentiation Methods. , 2006, , .		0
49	Wireless sensor networks with randomized parameters. , 2016, , .		0
50	Security amplification of the computer-aided voting system using quantum cryptography protocols. , 2017, , .		0
51	Segment approximation approach for reconstructing of surface topology. , 2017, , .		0
52	Information Technologies of Internet Devices and BigData in the "Smart Cities" Projects. , 2018, , .		0
53	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
54	Design And Implementation of The Control System In The Electrospinning Machine Of The Nanocomposites For The Medical Use. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	New Quantum Secret Sharing Protocol Using Entangled Qutrits. , 2019, , .		0
56	On Optimization Techniques for the Construction of an Exponential Estimate for Delayed Recurrent Neural Networks. Symmetry, 2020, 12, 1731.	2.2	0
57	Nonlinearity of Many-Valued Logic Component Functions of Modern Cryptographic Algorithms S-boxes. Procedia Computer Science, 2021, 192, 2731-2741.	2.0	0
58	Circuit with distributed resistance sensor based on the residue numerical system. Przegląd Elektrotechniczny, 2017, 1, 292-296.	0.2	0
59	Mathematical model in task of recurrent laryngeal nerve identification by electrophysiological method. Przegląd Elektrotechniczny, 2017, 1, 268-272.	0.2	0
60	INCREASING THE LEVEL OF INFORMATION SECURITY IN WIRELESS SENSOR NETWORKS BY IMPROVING THEIR GEOMETRIC MODELS. , 2018, , .		0
61	MATHEMATICAL MODELLING OF SALT SOLUTIONS FILTRATION AND OF MOISTURE TRANSFER IN SATURATED-NON-SATURATED SOIL MASS UNDER THE ACTION OF VERTICAL DRAINAGE. , 2018, , .		0
62	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
63	AUTHENTICATION PROCESS THREATS IN THE CLOUD TECHNOLOGIES. , 2019, , .		0
64	Theoretical Bases for Reducing the Time Complexity of the Rabin Cryptosystem. Advances in Intelligent Systems and Computing, 2021, , 628-639.	0.6	0