Sergey V Bezzateev

List of Publications by Year
in descending order

75	674	933447 10	610901 24
papers	citations	h-index	g-index

75	75	75	559
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modern variations of McEliece and Niederreiter cryptosystems. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2022, 22, 324-331.	0.2	0
2	Efficient incremental hash chain with probabilistic filter-based method to update blockchain light nodes. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2022, 22, 538-546.	0.2	1
3	Risk assessment methodology for information systems, based on the user behavior and IT-security incidents analysis. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2021, 21, 553-561.	0.2	1
4	Modern McEliece Cryptosystem Using Generalized (L, G)-Codes. , 2021, , .		1
5	Multi-Layer Message Signature Scheme with Threshold-based Distributed PKG and Dynamic Leader Selection. , 2021, , .		0
6	On Secret Sharing with Newtonâ€™s Polynomial for Multi-Factor Authentication. Cryptography, 2020, 4, 34.	2.3	8
7	Review and Analysis of the Classical and Post-Quantum Ring Signature Algorithms. , 2020, , .		0
8	Measurements of Mobile Blockchain Execution Impact on Smartphone Battery. Data, 2020, 5, 66.	2.3	8
9	An Overview on Blockchain for Smartphones: State-of-the-Art, Consensus, Implementation, Challenges and Future Trends. IEEE Access, 2020, 8, 103994-104015.	4.2	41
10	Accident Detection in Internet of Vehicles using Blockchain Technology. , 2020, , .		12
11	Method of Comparison of Neural Network Resistance to Adversarial Attacks. Lecture Notes in Computer Science, 2020, , 74-79.	1.3	0
12	Survey of distributed ledger technology integration challenges. Informatsionno-Upravliaiushchie Sistemy, 2020, , 10-19.	0.4	1
13	Blockchain Technology for Smartphones and Constrained IoT Devices: A Future Perspective and Implementation. , 2019, , .		15
14	Secure Environmental Monitoring for Industrial Internet of Things: from Framework to Live Implementation. , 2019, , .		3
15	Positioning Information Privacy in Intelligent Transportation Systems: An Overview and Future Perspective. Sensors, 2019, 19, 1603.	3.8	8
16	Challenges of Multi-Factor Authentication for Securing Advanced IoT Applications. IEEE Network, 2019, 33, 82-88.	6.9	79
17	Totally decomposed cumulative Goppa codes with improved estimations. Designs, Codes, and Cryptography, 2019, 87, 569-587.	1.6	3
18	Environmental Monitoring with Distributed Mesh Networks: An Overview and Practical Implementation Perspective for Urban Scenario. Sensors, 2019, 19, 5548.	3.8	6

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19	Steganographic WF5 Method for Weighted Embedding: An Overview and Comparison. Lecture Notes in Computer Science, 2019, , 434-440.	1.3	0
20	MLSB optimal effective weighted container construction for WF5 embedding algorithm. , 2018, , .		1
21	Traceability Schemes Usings Finite Geometry. , 2018, , .		0
22	Location-Based Protocol for the Pairwise Authentication in the Networks without Infrastructure. , 2018, , .		4
23	Lower Bounds on the Covering Radius of the Non-Binary and Binary Irreducible Goppa Codes. IEEE Transactions on Information Theory, 2018, 64, 7171-7177.	2.4	2
24	Secure Information Exchange in Defining the Location of the Vehicle. , 2018, , .		1
25	Multi-Factor Authentication: A Survey. Cryptography, 2018, 2, 1.	2.3	194
26	Signing Documents by Hand: Model for Multi-Factor Authentication. Lecture Notes in Computer Science, 2018, , 299-311.	1.3	0
27	Lower bound of covering radius of binary irreducible Goppa codes. Designs, Codes, and Cryptography, 2017, 82, 69-76.	1.6	5
28	Quasi-cyclic Goppa codes with special Goppa polynomials and matched location sets. Cryptography and Communications, 2017, 9, 23-39.	1.4	2
29	Lower Bound of the Covering Radius of Irreducible Goppa Codes. Electronic Notes in Discrete Mathematics, 2017, 57, 55-60.	0.4	0
30	Facilitating the Delegation of Use for Private Devices in the Era of the Internet of Wearable Things. IEEE Internet of Things Journal, 2017, 4, 843-854.	8.7	44
31	Image encryption in code based compression algorithms based on multilevel image structure model. , 2017, , .		1
32	Lightweight structures of big numbers for cryptographic primitives in limited devices. , 2017, , .		0
33	Multi-factor authentication: A survey and challenges in V2X applications. , 2017, , .		10
34	Secure and Connected Wearable Intelligence for Content Delivery at a Mass Event: A Case Study. Journal of Sensor and Actuator Networks, 2017, 6, 5.	3.9	5
35	Multi-factor Authentication for Wearables. , 2017, , .		0
36	HEPPA: Highly Efficient Privacy Preserving Authentication for ITS. Lecture Notes in Computer Science, 2017, , 260-271.	1.3	0

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37	Digital Watermarking Method Based on Image Compression Algorithms. Lecture Notes in Computer Science, 2017, , 292-299.	1.3	1
38	Weighted digital watermarking approaches comparison. , 2016, , .		1
39	Optimizing Network-Assisted WLAN Systems with Aggressive Channel Utilization. Lecture Notes in Computer Science, 2016, , 217-229.	1.3	0
40	Effectiveness of LSB and MLSB information embedding for BMP images. , 2016, , .		0
41	A Trial of Yoking-Proof Protocol in RFID-based Smart-Home Environment. Communications in Computer and Information Science, 2016, , 25-34.	0.5	3
42	Multi-level Significant Bit (MLSB) Embedding Based on Weighted Container Model and Weighted F5 Concept. Advances in Intelligent Systems and Computing, 2016, , 293-303.	0.6	4
43	The Use of European Internet Communication Properties for IP Geolocation. Information Technology and Control, 2016, 45, .	2.1	1
44	Securing Network-Assisted Direct Communication: The Case of Unreliable Cellular Connectivity. , 2015, , .		17
45	Using the Structure of Subfields in the Construction of Goppa Codes and Extended Goppa Codes. IEEE Transactions on Information Theory, 2015, 61, 3214-3224.	2.4	3
46	Wireless authentication using OPACITY protocol. , 2015, , .		1
47	Cyclic Generalized Separable (L, G) Codes. CIM Series in Mathematical Sciences, 2015, , 53-60.	0.4	1
48	Optimal weighted watermarking for still images. , 2014, , .		4
49	One subclass of cyclic generalized (L,G) codes with separable Goppa polynomial. , 2014, , .		1
50	A new bound on the minimum distance of cyclic codes using small-minimum-distance cyclic codes. Designs, Codes, and Cryptography, 2014, 71, 229-246.	1.6	11
51	A Generalized Construction of Extended Goppa Codes. IEEE Transactions on Information Theory, 2014, 60, 5296-5303.	2.4	3
52	The Digital Fingerprinting Method for Static Images Based on Weighted Hamming Metric and on Weighted Container Model. Journal of Computer and Communications, 2014, 02, 121-126.	0.9	1
53	A new subclass of cyclic Goppa codes. Problems of Information Transmission, 2013, 49, 348-353.	0.5	0
54	A Unified View on Known Algebraic Decoding Algorithms and New Decoding Concepts. IEEE Transactions on Information Theory, 2013, 59, 7320-7336.	2.4	46

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55	A Generalized Construction and Improvements on Nonbinary Codes From Goppa Codes. IEEE Transactions on Information Theory, 2013, 59, 7299-7304.	2.4	4
56	Subclass of Cyclic Goppa Codes. IEEE Transactions on Information Theory, 2013, 59, 7379-7385.	2.4	13
57	Class of generalized Goppa codes perfect in weighted Hamming metric. Designs, Codes, and Cryptography, 2013, 66, 391-399.	1.6	19
58	Generalizing bounds on the minimum distance of cyclic codes using cyclic product codes. , 2013, , .		4
59	Some new codes from binary Goppa codes and a method of shortening linear codes. IET Communications, 2013, 7, 270-277.	2.2	3
60	Joint safety and security analysis for complex systems. , 2013, , .		7
61	Methodology of using distributed systems in advanced-level language learning. , 2013, , .		0
62	Threshold identity based encryption scheme on quadratic residues. , 2012, , .		1
63	Describing a cyclic code by another cyclic code. , 2012, , .		0
64	Steganographic method on weighted container. , 2012, , .		8
65	RFID advanced ultra lightweight authentication protocol. , 2012, , .		2
66	Binary generalized (L,G) codes that are perfect in a weighted hamming metric. Problems of Information Transmission, 2012, 48, 239-242.	0.5	6
67	Decoding Cyclic Codes up to a New Bound on the Minimum Distance. IEEE Transactions on Information Theory, 2012, 58, 3951-3960.	2.4	17
68	Threshold Encryption Scheme based on Cocks' IBE Scheme. The KIPS Transactions PartC, 2012, 19C, 225-230.	0.2	0
69	Efficient decoding of some classes of binary cyclic codes beyond the Hartmann-Tzeng bound. , 2011, , .		2
70	Special classes of separable Goppa codes with improved parameter estimates. Problems of Information Transmission, 2010, 46, 225-244.	0.5	0
71	Chain of Separable Binary Goppa Codes and Their Minimal Distance. IEEE Transactions on Information Theory, 2008, 54, 5773-5778.	2.4	7
72	Decoding of interleaved RS codes with the Euclidean algorithm. , 2008, , .		4

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73	Privacy Homomorphism for Delegation of the Computations. Lecture Notes in Computer Science, 2006, , 474-480.	1.3	2
74	Subclass of binary Goppa codes with minimal distance equal to the design distance. IEEE Transactions on Information Theory, 1995, 41, 554-555.	2.4	19
75	Generalized Goppa codes for correcting localized errors. , 0, , .		2