

T Aaron Gulliver

List of Publications by Year in descending order

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523
papers

5,650
citations

126858

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49
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530
all docs

530
docs citations

530
times ranked

3570
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructions of good entanglement-assisted quantum error correcting codes. Designs, Codes, and Cryptography, 2018, 86, 121-136.	1.0	156
2	Capacity and error probability analysis for orthogonal space-time block codes over fading channels. IEEE Transactions on Wireless Communications, 2005, 4, 808-819.	6.1	119
3	Bayesian Deep Learning-Based Probabilistic Load Forecasting in Smart Grids. IEEE Transactions on Industrial Informatics, 2020, 16, 4703-4713.	7.2	109
4	Extremal binary self-dual codes. IEEE Transactions on Information Theory, 1997, 43, 2036-2047.	1.5	102
5	Single parity check product codes. IEEE Transactions on Communications, 2001, 49, 1354-1362.	4.9	92
6	Joint Spatial and Temporal Spectrum Sharing for Demand Response Management in Cognitive Radio Enabled Smart Grid. IEEE Transactions on Smart Grid, 2014, 5, 1993-2001.	6.2	81
7	Cooperative RSS-Based Localization in Wireless Sensor Networks Using Relative Error Estimation and Semidefinite Programming. IEEE Transactions on Vehicular Technology, 2019, 68, 483-497.	3.9	79
8	Improved denoising method for through-wall vital sign detection using UWB impulse radar. , 2018, 74, 72-93.		75
9	Performance analysis of IAF relaying mobile D2D cooperative networks. Journal of the Franklin Institute, 2017, 354, 902-916.	1.9	68
10	Semisupervised Multilabel Deep Learning Based Nonintrusive Load Monitoring in Smart Grids. IEEE Transactions on Industrial Informatics, 2020, 16, 6892-6902.	7.2	68
11	Biorthogonal pulse position modulation for time-hopping multiple access UWB communications. IEEE Transactions on Wireless Communications, 2005, 4, 1154-1162.	6.1	66
12	An Improved Algorithm for Through-Wall Target Detection Using Ultra-Wideband Impulse Radar. IEEE Access, 2017, 5, 22101-22118.	2.6	64
13	Unsupervised log message anomaly detection. ICT Express, 2020, 6, 229-237.	3.3	64
14	Some best rate $1/p$ and rate $(p-1)/p$ systematic quasi-cyclic codes. IEEE Transactions on Information Theory, 1991, 37, 552-555.	1.5	61
15	Intelligent Outage Probability Prediction for Mobile IoT Networks Based on an IGWO-Elman Neural Network. IEEE Transactions on Vehicular Technology, 2021, 70, 1365-1375.	3.9	58
16	New MDS or Near-MDS Self-Dual Codes. IEEE Transactions on Information Theory, 2008, 54, 4354-4360.	1.5	56
17	A UAV Detection Algorithm Based on an Artificial Neural Network. IEEE Access, 2018, 6, 24720-24728.	2.6	55
18	Graph coloring based spectrum allocation for femtocell downlink interference mitigation. , 2011, , .		53

#	ARTICLE	IF	CITATIONS
19	Some best rate $1/p$ and rate $(p-1)/p$ systematic quasi-cyclic codes over $GF(3)$ and $GF(4)$. IEEE Transactions on Information Theory, 1992, 38, 1369-1374.	1.5	52
20	Image splicing detection using mask-RCNN. Signal, Image and Video Processing, 2020, 14, 1035-1042.	1.7	52
21	Vehicle Positioning Using 5G Millimeter-Wave Systems. IEEE Access, 2016, 4, 6964-6973.	2.6	51
22	Ultra-Wideband Impulse Radar Through-Wall Detection of Vital Signs. Scientific Reports, 2018, 8, 13367.	1.6	51
23	A Novel Underwater Acoustic Signal Denoising Algorithm for Gaussian/Non-Gaussian Impulsive Noise. IEEE Transactions on Vehicular Technology, 2021, 70, 429-445.	3.9	51
24	Classification of extremal double-circulant self-dual codes of length up to 62. Discrete Mathematics, 1998, 188, 127-136.	0.4	47
25	Low-Complexity MIMO-FBMC Sparse Channel Parameter Estimation for Industrial Big Data Communications. IEEE Transactions on Industrial Informatics, 2021, 17, 3422-3430.	7.2	47
26	Blind Received Signal Strength Difference Based Source Localization With System Parameter Errors. IEEE Transactions on Signal Processing, 2014, 62, 4516-4531.	3.2	45
27	A Low-Complexity PTS-Based Radix FFT Method for PAPR Reduction in OFDM Systems. IEEE Transactions on Signal Processing, 2008, 56, 1161-1166.	3.2	44
28	Wireless Mesh Networks for In-Home IPTV Distribution. IEEE Network, 2008, 22, 52-57.	4.9	43
29	A Faster RCNN-Based Pedestrian Detection System. , 2016, , .		43
30	A link between quasi-cyclic codes and convolutional codes. IEEE Transactions on Information Theory, 1998, 44, 431-435.	1.5	42
31	Outage Probability Performance Analysis and Prediction for Mobile IoV Networks Based on ICS-BP Neural Network. IEEE Internet of Things Journal, 2021, 8, 3524-3533.	5.5	42
32	On self-dual MDS codes. , 2008, , .		40
33	Triangular Constellations for Adaptive Modulation. IEEE Transactions on Communications, 2018, 66, 756-766.	4.9	40
34	Partial Selective Mapping OFDM with Low Complexity IFFTs. IEEE Communications Letters, 2008, 12, 4-6.	2.5	38
35	Cross-entropy and iterative decoding. IEEE Transactions on Information Theory, 1998, 44, 3097-3104.	1.5	36
36	Nine good rate $(m-1)/pm$ quasi-cyclic codes. IEEE Transactions on Information Theory, 1992, 38, 1366-1369.	1.5	35

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37	PAPR reduction of OFDM using PTS and error-correcting code subblocking - Transactions Papers. IEEE Transactions on Wireless Communications, 2010, 9, 980-989.	6.1	35
38	Linear \mathbb{F}_2 -intersection pairs of codes and their applications. Designs, Codes, and Cryptography, 2020, 88, 133-152.	1.0	35
39	Outage Performance for IDF Relaying Mobile Cooperative Networks. Mobile Networks and Applications, 2018, 23, 1496-1501.	2.2	34
40	A macroscopic traffic model for traffic flow harmonization. European Transport Research Review, 2018, 10, .	2.3	33
41	Convergence and errors in turbo-decoding. IEEE Transactions on Communications, 2001, 49, 2045-2051.	4.9	32
42	Unknown Transmit Power RSSD Based Source Localization With Sensor Position Uncertainty. IEEE Transactions on Communications, 2015, 63, 1784-1797.	4.9	32
43	Construction of cyclic codes over $\mathbb{F}_2 + u\mathbb{F}_2$ for DNA computing. Applicable Algebra in Engineering, Communications and Computing, 2013, 24, 445-459.	0.3	30
44	A Minimax SDP Method for Energy Based Source Localization With Unknown Transmit Power. IEEE Wireless Communications Letters, 2014, 3, 433-436.	3.2	30
45	Cooperative Key Agreement for Wireless Networking: Key Rates and Practical Protocol Design. IEEE Transactions on Information Forensics and Security, 2014, 9, 272-284.	4.5	30
46	Secret Key Generation Using Chaotic Signals Over Frequency Selective Fading Channels. IEEE Transactions on Information Forensics and Security, 2015, 10, 1764-1775.	4.5	29
47	New good rate $(m-1)/pm$ ternary and quaternary quasi-cyclic codes. Designs, Codes, and Cryptography, 1996, 7, 223-233.	1.0	28
48	Classification of Extremal Double Circulant Self-Dual Codes of Lengths 64 to 72. Designs, Codes, and Cryptography, 1998, 13, 257-269.	1.0	27
49	Type II Self-Dual Codes over Finite Rings and Even Unimodular Lattices. Journal of Algebraic Combinatorics, 1999, 9, 233-250.	0.4	27
50	Single-Microphone LP Residual Skewness-Based Inverse Filtering of the Room Impulse Response. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1617-1632.	3.8	27
51	Energy detector based TOA estimation for MMW systems using machine learning. Telecommunication Systems, 2017, 64, 417-427.	1.6	27
52	BP neural network-based ABEP performance prediction for mobile Internet of Things communication systems. Neural Computing and Applications, 2020, 32, 16025-16041.	3.2	27
53	On circulant self-dual codes over small fields. Designs, Codes, and Cryptography, 2009, 52, 57-81.	1.0	26
54	More on the Stopping and Minimum Distances of Array Codes. IEEE Transactions on Communications, 2011, 59, 750-757.	4.9	26

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55	CWO-BP Neural Network Based OP Performance Prediction for Mobile Multiuser Communication Networks. IEEE Access, 2019, 7, 152690-152700.	2.6	26
56	On the construction of Radio Environment Maps for Cognitive Radio Networks. , 2013, , .		24
57	A New Characterization of Hardware Trojans. IEEE Access, 2016, 4, 2721-2731.	2.6	24
58	Real-Time Positioning Based on Millimeter Wave Device to Device Communications. IEEE Access, 2016, 4, 5520-5530.	2.6	24
59	A Macroscopic Traffic Model based on Driver Reaction and Traffic Stimuli. Applied Sciences (Switzerland), 2019, 9, 2848.	1.3	24
60	A macroscopic traffic model for heterogeneous flow. Chinese Journal of Physics, 2020, 63, 419-435.	2.0	24
61	Maximum-likelihood decoding and code combining for DS/SSMA slotted ALOHA. IEEE Transactions on Communications, 1997, 45, 1602-1612.	4.9	23
62	Efficient Workflow Scheduling for Grid Computing Using a Leveled Multi-objective Genetic Algorithm. Journal of Grid Computing, 2014, 12, 637-663.	2.5	23
63	Expanding Window Dynamic-Programming-Based Track-Before-Detect With Order Statistics in Weibull Distributed Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2564-2575.	2.6	23
64	Underwater wireless optical communication system using a 16-QAM modulated 450-nm laser diode based on an FPGA. Applied Optics, 2019, 58, 4553.	0.9	23
65	New good quasi-cyclic ternary and quaternary linear codes. IEEE Transactions on Information Theory, 1997, 43, 1647-1650.	1.5	22
66	Self-dual codes over $F/\text{sub } p/$ and weighing matrices. IEEE Transactions on Information Theory, 2001, 47, 2051-2055.	1.5	22
67	MDS and self-dual codes over rings. Finite Fields and Their Applications, 2012, 18, 1061-1075.	0.6	22
68	Single-Microphone Early and Late Reverberation Suppression in Noisy Speech. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 322-335.	3.8	22
69	Extreme learning machine for 60 GHz millimetre wave positioning. IET Communications, 2017, 11, 483-489.	1.5	22
70	Modulation Classification of Underwater Communication with Deep Learning Network. Computational Intelligence and Neuroscience, 2019, 2019, 1-12.	1.1	22
71	Unknown RSSD-Based Localization CRLB Analysis With Semidefinite Programming. IEEE Transactions on Communications, 2019, 67, 3791-3805.	4.9	22
72	Automatic Modulation Classification Using a Deep Multi-Stream Neural Network. IEEE Access, 2020, 8, 43888-43897.	2.6	22

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73	Well-to-Propeller environmental assessment of natural gas as a marine transportation fuel in British Columbia, Canada. Energy Reports, 2020, 6, 802-812.	2.5	22
74	Twelve good rate $(m-r)/pm$ quasi-cyclic codes. IEEE Transactions on Information Theory, 1993, 39, 1750-1751.	1.5	21
75	Performance Analysis of IPTV Traffic in Home Networks. , 2007, , .		21
76	On self-dual cyclic codes over finite chain rings. Designs, Codes, and Cryptography, 2014, 70, 347-358.	1.0	21
77	An RSSI based DV-hop algorithm for wireless sensor networks. , 2017, , .		21
78	Codes over $(\mathbb{F}_3 + u\mathbb{F}_3)$ and Improvements to the Bounds on Ternary Linear Codes. Designs, Codes, and Cryptography, 2001, 22, 89-96.	1.0	20
79	Performance and Capacity of PAM and PPM UWB Time-Hopping Multiple Access Communications with Receive Diversity. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	20
80	Classification of extremal double circulant self-dual codes of lengths $74 \leq n \leq 88$. Discrete Mathematics, 2006, 306, 2064-2072.	0.4	20
81	Optimal Beamforming Design for Underwater Acoustic Communication With Multiple Unsteady Sub-Gaussian Interferers. IEEE Transactions on Vehicular Technology, 2019, 68, 12381-12386.	3.9	20
82	Classification of Extremal Double Circulant Formally Self-Dual Even Codes. Designs, Codes, and Cryptography, 1997, 11, 25-35.	1.0	19
83	New Optimal Self-Dual Codes over $GF(7)$. Graphs and Combinatorics, 1999, 15, 175-186.	0.2	19
84	Self-dual codes over \mathbb{Z}_8 and \mathbb{Z}_9 . Designs, Codes, and Cryptography, 2006, 41, 235-249.	1.0	19
85	Speech-Model Based Accurate Blind Reverberation Time Estimation Using an LPC Filter. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1884-1893.	3.8	19
86	A Grid-Based Localization Algorithm for Wireless Sensor Networks Using Connectivity and RSS Rank. IEEE Access, 2018, 6, 8426-8439.	2.6	19
87	An Improved Unauthorized Unmanned Aerial Vehicle Detection Algorithm Using Radiofrequency-Based Statistical Fingerprint Analysis. Sensors, 2019, 19, 274.	2.1	19
88	Double circulant and quasi-twisted self-dual codes over \mathbb{F}_5 and \mathbb{F}_7 . Advances in Mathematics of Communications, 2007, 1, 223-238.	0.4	19
89	OPTIMAL LINEAR CODES OVER \mathbb{F}_m . Journal of the Korean Mathematical Society, 2007, 44, 1139-1162.	0.4	19
90	Two new rate $2/p$ binary quasi-cyclic codes. IEEE Transactions on Information Theory, 1994, 40, 1667-1668.	1.5	18

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91	New optimal ternary linear codes. IEEE Transactions on Information Theory, 1995, 41, 1182-1185.	1.5	18
92	Weight enumerators of extremal singly-even [60,30,12] codes. IEEE Transactions on Information Theory, 1996, 42, 658-659.	1.5	18
93	Matching Q-ary Reed-Solomon codes with M-ary modulation. IEEE Transactions on Communications, 1997, 45, 1349-1353.	4.9	18
94	Weight Enumerators of Double Circulant Codes and New Extremal Self-Dual Codes. Designs, Codes, and Cryptography, 1997, 11, 141-150.	1.0	18
95	Construction of new extremal self-dual codes. Discrete Mathematics, 2003, 263, 81-91.	0.4	18
96	Differential Amplitude Pulse-Position Modulation for Indoor Wireless Optical Communications. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	1.5	18
97	Priority-Based Dynamic Spectrum Management in a Smart Grid Network Environment. IEEE Journal on Selected Areas in Communications, 2015, 33, 933-945.	9.7	18
98	Experimental Study of Wireless Monitoring of Human Respiratory Movements Using UWB Impulse Radar Systems. Sensors, 2018, 18, 3065.	2.1	18
99	A macroscopic traffic model based on driver physiological response. Journal of Engineering Mathematics, 2019, 115, 21-41.	0.6	18
100	Underwater broadband source detection using an Acoustic Vector Sensor with an adaptive passive matched filter. Applied Acoustics, 2019, 148, 162-174.	1.7	18
101	Construction of optimal Type IV self-dual codes over $F_{2^m} + uF_{2^m}$. IEEE Transactions on Information Theory, 1999, 45, 2520-2521.	1.5	17
102	The Minimum Average Code for Finite Memoryless Monotone Sources. IEEE Transactions on Information Theory, 2007, 53, 955-975.	1.5	17
103	A high performance and intrinsically secure key establishment protocol for wireless sensor networks. Computer Networks, 2011, 55, 1849-1863.	3.2	17
104	New secure channel coding scheme based on randomly punctured quasi-cyclic low density parity check codes. IET Communications, 2014, 8, 2556-2562.	1.5	17
105	Performance Analysis and Prediction for Mobile Internet-of-Things (IoT) Networks: A CNN Approach. IEEE Internet of Things Journal, 2021, 8, 13355-13366.	5.5	17
106	The generation of primitive polynomials in $GF(q)$ with independent roots and their applications for power residue codes, VLSI testing and finite field multipliers using normal basis. International Journal of Electronics, 1991, 71, 559-576.	0.9	16
107	A systematic (16,8) code for correcting double errors and detecting triple-adjacent errors. IEEE Transactions on Computers, 1993, 42, 109-112.	2.4	16
108	Circulant Based Extremal Additive Self-Dual Codes Over $GF(4)$. IEEE Transactions on Information Theory, 2004, 50, 359-366.	1.5	16

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109	A new class of Fibonacci sequence based error correcting codes. <i>Cryptography and Communications</i> , 2017, 9, 379-396.	0.9	16
110	Ultra-wide band impulse radar for life detection using wavelet packet decomposition. <i>Physical Communication</i> , 2018, 29, 31-47.	1.2	16
111	An analytical method for linear combining with application to FFH NCFSK receivers. <i>IEEE Journal on Selected Areas in Communications</i> , 1993, 11, 454-464.	9.7	15
112	Capacity of Time-Hopping PPM and PAM UWB Multiple Access Communications over Indoor Fading Channels. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2008, 2008, .	1.5	15
113	Dynamic Spectrum Management for WCDMA/DVB Heterogeneous Systems. <i>IEEE Transactions on Wireless Communications</i> , 2011, 10, 1582-1593.	6.1	15
114	Optimal Resource Allocation in Cellular Networks With H2H/M2M Coexistence. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 12951-12962.	3.9	15
115	An Anisotropic Traffic Model Based on Driver Interaction. <i>IEEE Access</i> , 2020, 8, 66799-66812.	2.6	15
116	A Macroscopic Traffic Model Based on Anticipation. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5151-5163.	1.7	15
117	Some constacyclic codes over finite chain rings. <i>Advances in Mathematics of Communications</i> , 2016, 10, 683-694.	0.4	15
118	Performance of fast frequency hopped noncoherent MESK with a fixed hop rate under worst case jamming. <i>IEEE Transactions on Communications</i> , 1990, 38, 1786-1798.	4.9	14
119	On Type II codes over $F/\text{sub } 4/$. <i>IEEE Transactions on Information Theory</i> , 2001, 47, 2242-2248.	1.5	14
120	Double Point Compression with Applications to Speeding Up Random Point Multiplication. <i>IEEE Transactions on Computers</i> , 2007, 56, 305-313.	2.4	14
121	A Simple, Two-Level Markovian Traffic Model for IPTV Video Sources. , 2008, , .		14
122	Store-Carry-Forward Message Dissemination in Vehicular Ad-Hoc Networks with Local Density Estimation. , 2009, , .		14
123	A macroscopic traffic model based on weather conditions. <i>Chinese Physics B</i> , 2018, 27, 070202.	0.7	14
124	Adoption of hybrid time series neural network in the underwater acoustic signal modulation identification. <i>Journal of the Franklin Institute</i> , 2020, 357, 13906-13922.	1.9	14
125	Two new optimal ternary two-weight codes and strongly regular graphs. <i>Discrete Mathematics</i> , 1996, 149, 83-92.	0.4	13
126	Improved bounds for ternary linear codes of dimension 7. <i>IEEE Transactions on Information Theory</i> , 1997, 43, 1377-1381.	1.5	13

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127	Asymptotic performance of single parity-check product codes. IEEE Transactions on Information Theory, 2003, 49, 2230-2235.	1.5	13
128	Binary optimal linear rate 1/2 codes. Discrete Mathematics, 2004, 283, 255-261.	0.4	13
129	Rate-1/2 Component Codes for Nonbinary Turbo Codes. IEEE Transactions on Communications, 2005, 53, 1417-1422.	4.9	13
130	Real-time image encryption using a low-complexity discrete 3D dual chaotic cipher. Nonlinear Dynamics, 2015, 82, 1523-1535.	2.7	13
131	Queue-Aware Transmission Scheduling for Cooperative Wireless Communications. IEEE Transactions on Communications, 2015, 63, 1149-1161.	4.9	13
132	Random-Noise Denoising and Clutter Elimination of Human Respiration Movements Based on an Improved Time Window Selection Algorithm Using Wavelet Transform. Sensors, 2019, 19, 95.	2.1	13
133	Threshold Selection for Ultra-Wideband TOA Estimation based on Neural Networks. Journal of Networks, 2012, 7, .	0.4	13
134	A (105,10,47) binary quasi-cyclic code. Applied Mathematics Letters, 1995, 8, 67-70.	1.5	12
135	Extremal double circulant Type II codes over Z_4 and construction of 5-(24, 10, 36) designs. Discrete Mathematics, 1999, 194, 129-137.	0.4	12
136	New quasi-twisted quaternary linear codes. IEEE Transactions on Information Theory, 2000, 46, 2642-2643.	1.5	12
137	Aperiodic propagation criteria for Boolean functions. Information and Computation, 2006, 204, 741-770.	0.5	12
138	Energy Efficient Modulation Design for Wireless Sensor Networks. , 2007, , .		12
139	Cross Layer AMC Scheduling for a Cooperative Wireless Communication System over Nakagami-m Fading Channels. IEEE Transactions on Wireless Communications, 2012, 11, 2330-2341.	6.1	12
140	Performance of transmitted reference pulse cluster ultra-wideband systems with forward error correction. International Journal of Communication Systems, 2014, 27, 265-276.	1.6	12
141	Classification of hardware trojan detection techniques. , 2015, , .		12
142	Performance analysis for M2M video transmission cooperative networks using transmit antenna selection. Multimedia Tools and Applications, 2017, 76, 23891-23902.	2.6	12
143	A New Variant of the McEliece Cryptosystem Based on QC-LDPC and QC-MDPC Codes. IEEE Communications Letters, 2017, 21, 714-717.	2.5	12
144	Effective Small Social Community Aware D2D Resource Allocation Underlying Cellular Networks. IEEE Wireless Communications Letters, 2017, 6, 822-825.	3.2	12

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145	Clutter Elimination and Harmonic Suppression of Non-Stationary Life Signs for Long-Range and Through-Wall Human Subject Detection Using Spectral Kurtosis Analysis (SKA)-Based Windowed Fourier Transform (WFT) Method. Applied Sciences (Switzerland), 2019, 9, 355.	1.3	12
146	Spectrum and energy efficiency of cooperative spectrum prediction in cognitive radio networks. Wireless Networks, 2019, 25, 3265-3274.	2.0	12
147	A New Driver Model Based on Driver Response. Applied Sciences (Switzerland), 2022, 12, 5390.	1.3	12
148	Probability distribution of DPSK in tone interference and applications to SFH/DPSK. IEEE Journal on Selected Areas in Communications, 1990, 8, 895-906.	9.7	11
149	Optimal double circulant self-dual codes over F_{2^m} . IEEE Transactions on Information Theory, 2000, 46, 271-274.	1.5	11
150	Joint temporal and spatial spectrum sharing in cognitive radio networks: A region-based approach with cooperative spectrum sensing. , 2013, , .		11
151	On cyclic DNA codes. , 2013, , .		11
152	On Planar Tessellations and Interference Estimation in Wireless Ad-Hoc Networks. IEEE Wireless Communications Letters, 2013, 2, 331-334.	3.2	11
153	Quantum codes over rings. International Journal of Quantum Information, 2014, 12, 1450020.	0.6	11
154	A new 3D chaotic cipher for encrypting two data streams simultaneously. Nonlinear Dynamics, 2015, 81, 1053-1066.	2.7	11
155	A Reliable Geocast Routing Protocol for Vehicular Ad Hoc Networks. Wireless Personal Communications, 2015, 83, 281-295.	1.8	11
156	Joint channel coding and cryptography based on random insertions and deletions in quasi-cyclic low-density parity check codes. IET Communications, 2015, 9, 1555-1560.	1.5	11
157	A Secure Code Based Cryptosystem via Random Insertions, Deletions, and Errors. IEEE Communications Letters, 2016, 20, 870-873.	2.5	11
158	A Macroscopic Traffic Model Based on Reaction Velocity. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 139-150.	1.0	11
159	A macroscopic traffic model based on relaxation time. AEJ - Alexandria Engineering Journal, 2022, 61, 585-596.	3.4	11
160	Performance Analysis of the IAF Relaying M2M Cooperative Networks over N-Nakagami Fading Channels. Journal of Communications, 2015, 10, 185-191.	1.3	11
161	Unknown Transmit Power RSSD-Based Localization in a Gaussian Mixture Channel. IEEE Sensors Journal, 2022, 22, 9114-9123.	2.4	11
162	Some properties of self-reciprocal polynomials. Applied Mathematics Letters, 1990, 3, 47-51.	1.5	10

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163	An updated table of rate 1p binary quasi-cyclic codes. Applied Mathematics Letters, 1995, 8, 81-86.	1.5	10
164	New ternary linear codes. IEEE Transactions on Information Theory, 1999, 45, 1687-1688.	1.5	10
165	Higher weights and graded rings for binary self-dual codes. Discrete Applied Mathematics, 2003, 128, 121-143.	0.5	10
166	Performance of OFDM with modified RA codes and clipping. IEEE Communications Letters, 2003, 7, 440-442.	2.5	10
167	Successive Interference Cancellation for DS-CDMA Systems with Transmit Diversity. Eurasip Journal on Wireless Communications and Networking, 2004, 2004, 1.	1.5	10
168	Some Open Problems on Quasi-Twisted and Related Code Constructions and Good Quaternary Codes. , 2007, , .		10
169	New Nonbinary Self-Dual Codes. IEEE Transactions on Information Theory, 2008, 54, 415-417.	1.5	10
170	The Golden mean, Fibonacci matrices and partial weakly super-increasing sources. Chaos, Solitons and Fractals, 2009, 42, 435-440.	2.5	10
171	Improved Throughput Physical-Layer Network Coding in Multi-Way Relay Channels with Binary Signaling. IEEE Wireless Communications Letters, 2013, 2, 30-33.	3.2	10
172	Pulse waveforms for 60GHz M-ary pulse position modulation communication systems. IET Communications, 2013, 7, 169-179.	1.5	10
173	On routing protocols using mobile social networks. International Journal of Wireless and Mobile Computing, 2013, 6, 1.	0.1	10
174	Joint TAS/SC and power allocation for IAF relaying D2D cooperative networks. Wireless Networks, 2017, 23, 2135-2143.	2.0	10
175	Automated localization of whales in coastal fjords. Journal of the Acoustical Society of America, 2019, 146, 4672-4686.	0.5	10
176	A macroscopic traffic model based on transition velocities. Journal of Computational Science, 2020, 43, 101131.	1.5	10
177	A slotted frequency-hopped multiple-access network with packet combining. IEEE Journal on Selected Areas in Communications, 1996, 14, 1859-1865.	9.7	9
178	Quasi-cyclic structure of Reed-Muller codes and their smallest regular trellis diagram. IEEE Transactions on Information Theory, 1997, 43, 1040-1052.	1.5	9
179	Orthogonal Frames in the Leech Lattice and a Type II Code over Z_{22} . Journal of Combinatorial Theory - Series A, 2001, 95, 185-188.	0.5	9
180	Reinforcement learning based Dynamic Network Self-optimization for heterogeneous networks. , 2009, , .		9

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181	Low-complexity girth-8 high-rate moderate length QC LDPC codes. AEU - International Journal of Electronics and Communications, 2010, 64, 360-365.	1.7	9
182	A Kraft-Type Sufficient Condition for the Existence of D -Ary Fix-Free Codes. IEEE Transactions on Information Theory, 2010, 56, 2920-2927.	1.5	9
183	Repeated root constacyclic codes of length mp^s over $\mathbb{F}_q[x]/(x^m - \alpha^r + u^{p-1})$. Journal of Algebra and Its Applications, 2015, 14, 1450081.	0.3	9
184	An attribute based classification of hardware trojans. , 2015, , .		9
185	Ternary Convolutional Codes for Ternary Phase Shift Keying. IEEE Communications Letters, 2016, 20, 1709-1712.	2.5	9
186	Biologically Inspired Two-Stage Resource Management for Machine-Type Communications in Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 5897-5910.	6.1	9
187	A novel time of arrival estimation algorithm using an energy detector receiver in MMW systems. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.0	9
188	SCC++: Predicting the programming language of questions and snippets of Stack Overflow. Journal of Systems and Software, 2020, 162, 110505.	3.3	9
189	GR and BP neural network-based performance prediction of dual-antenna mobile communication networks. Computer Networks, 2020, 172, 107172.	3.2	9
190	New Good Rate $(m-1)/pm$ Ternary and Quaternary Quasi-Cyclic Codes. Designs, Codes, and Cryptography, 1996, 7, 223-233.	1.0	8
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