Xing Liu

List of Publications by Year
in descending order

40 papers	207 citations	1163117 8 h-index	1199594 12 g-index
41 all docs	41 docs citations	41 times ranked	42 citing authors

#	Article	IF	Citations
1	Low-Hit-Zone Frequency-Hopping Sequence Sets with Wide-Gap and Optimal Hamming Correlation Properties. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2022, E105.A, 122-125.	0.3	2
2	NHZ frequency hopping sequence sets under aperiodic Hamming correlation: Tighter bound and optimal constructions. Cryptography and Communications, 2022, 14, 347-356.	1.4	2
3	A False Alarm Elimination Algorithm of Foreign Objects Debris Detection Based on Duffing Oscillator. IEEE Access, 2022, 10, 7588-7597.	4.2	1
4	Optimal Low-Hit-Zone Frequency-Hopping Sequence Sets With Wide-Gap for FHMA Systems Under Follower Jamming. IEEE Communications Letters, 2022, 26, 969-973.	4.1	2
5	Low-Hit-Zone Wide Gap Frequency Hopping Sequence Sets With Optimal Average Hamming Correlation. IEEE Access, 2021, 9, 122600-122606.	4.2	2
6	A FOD Detection Approach on Millimeter-Wave Radar Sensors Based on Optimal VMD and SVDD. Sensors, 2021, 21, 997.	3.8	8
7	Frequency-Hopping Based SCMA for Massive Connectivity in Multi-cell Networks. , 2021, , .		2
8	Optimal Cyclic (r, Î) Locally Repairable Codes With r + Î´ - 1 = (q+1)/4. , 2021, , .		0
9	Decimated m-sequences families with optimal partial Hamming correlation. Cryptography and Communications, 2020, 12, 405-413.	1.4	3
10	Frequency-hopping sequence sets with no-hit-zone through Cartesian product. Cryptography and Communications, 2020, 12, 485-497.	1.4	4
11	Families of Optimal Low-Hit-Zone Frequency-Hopping Sequence Sets Under the Periodic Partial Hamming Correlation Properties. IEEE Access, 2020, 8, 14991-14998.	4.2	3
12	Multi-Level Sequence-Based Frequency-Hopping in Multi-Cell Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 16282-16287.	6.3	5
13	Analysis of Optimal Quasi-Orthogonal FH System with Array Receiver for Anti-Interference. , 2020, , .		0
14	Upper Bound on the Number of Full Cycle Codewords of Cyclic Codes. , 2020, , .		0
15	A New Method to Construct Strictly Optimal Frequency Hopping Sequences With New Parameters. IEEE Transactions on Information Theory, 2019, 65, 1828-1844.	2.4	11
16	Frequency-hopping sequence sets with good aperiodic Hamming correlation property. Cryptography and Communications, 2019, 11, 661-675.	1.4	2
17	Strong No-Hit-Zone Sequences for Improved Quasi-Orthogonal FHMA Systems: Sequence Design and Performance Analysis. IEEE Transactions on Communications, 2019, 67, 5336-5345.	7.8	13
18	An Improved Frequency-Hopping System with No-Hit-Zone Hopping Pattern Based on Adaptive Array Receiver for Anti-Interference. , 2019, , .		2

#	Article	IF	Citations
19	New Extension Interleaved Constructions of Optimal Frequency Hopping Sequence Sets With Low Hit Zone. IEEE Access, 2019, 7, 73870-73879.	4.2	5
20	Low-Hit-Zone Frequency-Hopping Sequence Sets with Optimal Periodic Partial Hamming Correlation Properties. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 316-319.	0.3	3
21	New Construction for Low Hit Zone Frequency Hopping Sequence Sets with Optimal Partial Hamming Correlation. , 2019, , .		1
22	On the Average Hamming Correlation of Frequency-Hopping Sequence Sets with Low Hit Zone. , 2019, , .		2
23	Low-Hit-Zone Frequency/Time Hopping Sequence Sets With Large Family Size. IEEE Access, 2019, 7, 181733-181739.	4.2	4
24	Frequency Hopping Sequence Sets With Good Aperiodic Hamming Correlation Properties and Large Family Size. IEEE Communications Letters, 2019, 23, 394-397.	4.1	5
25	Improved Singleton bound on frequency hopping sequences and optimal constructions. Designs, Codes, and Cryptography, 2019, 87, 1713-1733.	1.6	4
26	New Bound on Partial Hamming Correlation of Low-Hit-Zone Frequency Hopping Sequences and Optimal Constructions. IEEE Communications Letters, 2018, 22, 878-881.	4.1	20
27	No‑hit‑zone frequency hopping sequence sets with respect to aperiodic Hamming correlation. Electronics Letters, 2018, 54, 212-213.	1.0	13
28	Chaos theory‑based NHZ‑FH sequence set for quasi‑synchronous FHMA system. Electronics Letters, 2017, 53, 1493-1495.	1.0	12
29	Frequency hopping sequences with optimal aperiodic Hamming correlation by interleaving techniques. Advances in Mathematics of Communications, 2017, 11, 151-159.	0.7	5
30	New lower bounds on the aperiodic Hamming correlations of frequency hopping sequences with low hit zone. Designs, Codes, and Cryptography, 2015, 75, 157-174.	1.6	1
31	Low-hit-zone frequency hopping sequence sets with optimal partial Hamming correlation properties. Designs, Codes, and Cryptography, 2014, 73, 167-176.	1.6	24
32	On Low-Hit-Zone Frequency-Hopping Sequence Sets with Optimal Partial Hamming Correlation. Lecture Notes in Computer Science, 2014, , 293-304.	1.3	4
33	Sets of frequency hopping sequences under aperiodic Hamming correlation: Upper bound and optimal constructions. Advances in Mathematics of Communications, 2014, 8, 359-373.	0.7	9
34	Frequency hopping sequences with optimal partial Hamming correlation by interleaving techniques. , 2013, , .		3
35	Lower Bounds on the Aperiodic Hamming Correlations of Frequency Hopping Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 1445-1450.	0.3	3
36	Lower Bounds on the Maximum Partial Correlations of Frequency Hopping Sequence Set with Low Hit Zone. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2227-2231.	0.3	24

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37	Lower Bounds on the Aperiodic Hamming Correlations of Frequency Hopping Sequences with Low Hit Zone. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1569-1572.	0.3	1
38	Classes of optimal low-hit-zone frequency-hopping sequence sets with new parameters. Cryptography and Communications, 0, , 1.	1.4	2
39	Strong noâ€hitâ€zone frequency sequence set with wide gap. Electronics Letters, 0, , .	1.0	0
40	Chinese remainder theoremâ€based construction of optimal noâ€hitâ€zone frequency sequence set with wide gap. Electronics Letters, 0, , .	1.0	0