

Zhenyu Zhang

List of Publications by Year in descending order

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papers

475
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759233

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72
docs citations

72
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructions of Z-Optimal Type-II Quadriphase Z-Complementary Pairs. IEEE Wireless Communications Letters, 2022, 11, 568-572.	5.0	2
2	Double-Subset Parallel Transmission for M-ary Spread Spectrum OFDM Communications. , 2021, , .		1
3	Generation of Orthogonal Sequence Sets for M-ary Spread Spectrum Communications with OFDM Modulation. IOP Conference Series: Materials Science and Engineering, 2020, 790, 012001.	0.6	2
4	Optimal and Z-Optimal Type-II Odd-Length Binary Z-Complementary Pairs. IEEE Communications Letters, 2020, 24, 1163-1167.	4.1	11
5	Polarity-Based Detection Method of QPSK Sequences for M-ary Spread Spectrum OFDM Communications. , 2020, , .		1
6	Perfect Gaussian Integer Sequences Embedding Pre-Given Gaussian Integers. IEEE Signal Processing Letters, 2019, 26, 1122-1126.	3.6	1
7	New QAM Complementary Sequences for Control of Peak Envelope Power of OFDM Signals. IEEE Access, 2019, 7, 89901-89912.	4.2	3
8	16-QAM Sequences with Good Periodic Autocorrelation Function. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 1697-1700.	0.3	1
9	Design of QPSK Sequences for M-Ary Spread Spectrum OFDM Systems. , 2019, , .		5
10	Construction of 8PSK MSS-OFDM Set Based on Orthogonal Complementary Sequences. , 2019, , .		3
11	New 16-QAM Golay Complementary Sequences. , 2019, , .		0
12	Expansion Method of Orthogonal Sequence Set Based on Computer Search. , 2018, , .		0
13	Multiple Orthogonal Sequence Subsets with Low In-Phase Cross-Correlation from the Shifted M-Sequence. , 2018, , .		2
14	Construction of multiple orthogonal subsets based on permutation sequences. , 2018, , .		1
15	More General QAM Complementary Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 2409-2414.	0.3	9
16	Complementary M-ary orthogonal spreading OFDM architecture for HF communication link. IET Communications, 2017, 11, 292-301.	2.2	10
17	Design of complementary sequence for OFDM systems with vacant direct current subcarrier. , 2017, , .		0
18	Multi-group independent sub-channels allocation precoding for MGSTC systems in correlated HF-MIMO channels. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Inter-Group Complementary Sequence Set Based on Interleaved Periodic Complementary Sequences. <i>Wireless Personal Communications</i> , 2016, 91, 1051-1064.	2.7	8
20	Design of orthogonal subsets for M-ary spread spectrum communications with OFDM modulation. , 2016, , .		2
21	Improvement of code rate in OFDM communication systems encoded by QAM complementary sequences. , 2016, , .		1
22	General QAM Golay complementary sequences based on binary signals as their inputs. , 2016, , .		0
23	Performance comparison of two spread-spectrum-based wireless video transmission schemes. , 2016, , .		1
24	Construction of shift-based sequence sets for M-ary spread spectrum OFDM communications. , 2016, , .		7
25	Multiple Orthogonal Subsets With Three-Valued In-Phase Cross-Correlation for HF Communications. <i>IEEE Communications Letters</i> , 2016, 20, 1377-1380.	4.1	17
26	Advances on 8-QAM sequences. , 2015, , .		0
27	QAM golay complementary sequences from binary standard generalized Boolean functions. , 2015, , .		3
28	QAM periodic complementary sequence sets based on binary mutually uncorrelated complementary sequence sets. , 2015, , .		0
29	New construction of 16-QAM Golay complementary sequence pairs from standard binary GDJ complementary sequence pairs. , 2015, , .		1
30	New mathematical expressions of square QAM constellation. , 2015, , .		2
31	A Brief Proof of General QAM Golay Complementary Sequences in Cases I-III Constructions. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2015, E98.A, 2203-2206.	0.3	3
32	Zero correlation zone sequence set with inter-group orthogonal and inter-subgroup complementary properties. <i>Advances in Mathematics of Communications</i> , 2015, 9, 9-21.	0.7	5
33	Perfect Arrays over the 8-QAM+ Constellation. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2015, E98.A, 1038-1043.	0.3	5
34	QAM Periodic Complementary Sequence Sets. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2015, E98.A, 1329-1333.	0.3	3
35	M-ary spread spectrum ofdm structure based on cascaded cyclic shift complementary pairs. , 2014, , .		7
36	Design of 8-QAM sequences; perfect arrays from perfect ternary arrays. , 2014, , .		2

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37	Mutually orthogonal complementary pairs for OFDM-CDMA systems. , 2014, , .		6
38	Construction of 16-QAM complementary sequences from non-standard generalized boolean functions. , 2014, , .		2
39	Carrier frequency offset estimation of OFDM systems based on complementary sequence. , 2014, , .		2
40	A Note on 8-QAM+ Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 888-893.	0.3	6
41	A Novel Class of Periodic Complementary Sequence Sets over 8-QAM+ Constellation. Advances in Intelligent Systems and Computing, 2014, , 349-357.	0.6	1
42	16-QAM Golay Complementary Sequence Sets with Arbitrary Lengths. IEEE Communications Letters, 2013, 17, 1216-1219.	4.1	22
43	16-QAM periodic complementary sequence mates based on interleaving technique and quadriphase periodic complementary sequence mates. Journal of Communications and Networks, 2013, 15, 581-588.	2.6	69
44	A generalized construction of quaternary periodic complementary sequence sets. , 2013, , .		1
45	Imaginary Sequences of Impulse-Like Real-Part of Autocorrelation over 8-QAM+ Constellation. , 2013, , .		1
46	Asterisk and Star 16-QAM Golay Complementary Sequence Mates. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 2294-2298.	0.3	0
47	Quaternary Golay Complementary Sequences Derived from Binary Golay Complementary Sequences. , 2012, , .		0
48	Almost Perfect 16-QAM Sequences for Spreading-Spectrum Communication Systems Using 16-QAM Constellation. , 2012, , .		1
49	A family of 16-QAM periodic complementary sequence mates for suppressing multiple access interference in CDMA communication systems. , 2012, , .		2
50	Design and implementation of novel HF OFDM communication systems. , 2012, , .		5
51	New construction method for quaternary aperiodic, periodic, and Z-complementary sequence sets. Journal of Communications and Networks, 2012, 14, 230-236.	2.6	27
52	Perfect 8-QAM+ Sequences. IEEE Wireless Communications Letters, 2012, 1, 388-391.	5.0	22
53	New Constructions of 16-QAM Periodic Complementary Sequences. IEEE Communications Letters, 2012, 16, 2040-2043.	4.1	25
54	8-QAM+ Periodic Complementary Sequence Sets. IEEE Communications Letters, 2012, 16, 83-85.	4.1	25

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55	16-QAM Golay, Periodic and Z- Complementary Sequence Sets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 2084-2089.	0.3	24
56	Almost Perfect Sequences and Periodic Complementary Sequence Pairs over the 16-QAM Constellation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95-A, 400-405.	0.3	21
57	Quaternary periodic complementary/Z-complementary sequence sets based on interleaving technique and Gray mapping. Advances in Mathematics of Communications, 2012, 6, 237-247.	0.7	20
58	Perfect 16-QAM Sequences and Arrays. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1740-1748.	0.3	10
59	Applications of Complementary Sequences with Multi-Width Zero Cross-Correlation Zone in Multi-Carrier CDMA Systems. , 2011, , .		1
60	Constructions of ZCZ Sequences over 16-QAM Constellation Based on Binary ZCZ Sequences. , 2011, , .		0
61	16-QAM Sequences with Zero Correlation Zone from the Known Quadriphase ZCZ Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1023-1028.	0.3	14
62	16-QAM Sequences with Zero Correlation Zone from the Known Binary ZCZ Sequences and Gray Mapping. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 2466-2471.	0.3	10
63	Construction of Multi-Dimensional Periodic Complementary Array Sets. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1392-1395.	0.3	1
64	Mutually Orthogonal Sets of Complementary Sequences for Multi-Carrier CDMA Systems. , 2010, , .		5
65	Design of complementary sequence sets based on orthogonal matrixes. , 2010, , .		3
66	A Class of Complementary Sequences with Multi-Width Zero Cross-Correlation Zone. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1508-1517.	0.3	16
67	Expansion of Linear Span and Family Size to Several Families of Known Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1840-1844.	0.3	0
68	Novel Construction of Distinct Perfect Polyphase Sequences with Large Family Size. , 2009, , .		0
69	Periodic Odd-Shift Orthogonal Sequences Based on Interleaved DFT Matrix. , 2009, , .		0
70	Z-Complementary Sets Based on Sequences with Periodic and Aperiodic Zero Correlation Zone. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	12
71	A general design of orthogonal sequences with alternate periodic correlation values equal to zero. , 2009, , .		0
72	NOFDM System Based on Circular Conjugate Symmetry Properties of DFT. , 2008, , .		1