

Steven W Mclaughlin

List of Publications by Year in descending order

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34
papers

2,377
citations

933447

10
h-index

1058476

14
g-index

34
all docs

34
docs citations

34
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Information-Theoretic Security. IEEE Transactions on Information Theory, 2008, 54, 2515-2534.	2.4	1,522
2	LDPC Codes for the Gaussian Wiretap Channel. IEEE Transactions on Information Forensics and Security, 2011, 6, 532-540.	6.9	182
3	Coding for Secrecy: An Overview of Error-Control Coding Techniques for Physical-Layer Security. IEEE Signal Processing Magazine, 2013, 30, 41-50.	5.6	144
4	Wireless Secrecy Regions With Friendly Jamming. IEEE Transactions on Information Forensics and Security, 2011, 6, 256-266.	6.9	141
5	Strong Secrecy on the Binary Erasure Wiretap Channel Using Large-Girth LDPC Codes. IEEE Transactions on Information Forensics and Security, 2011, 6, 585-594.	6.9	71
6	Channel Aware Encryption and Decision Fusion for Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2013, 8, 619-625.	6.9	35
7	Design of Rate-Compatible Irregular LDPC Codes for Incremental Redundancy Hybrid ARQ Systems. , 2006, , .		33
8	Strong secrecy for erasure wiretap channels. , 2010, , .		31
9	Coding for Cryptographic Security Enhancement Using Stopping Sets. IEEE Transactions on Information Forensics and Security, 2011, 6, 575-584.	6.9	29
10	LDPC Coded OFDM with Alamouti/SVD Diversity Technique. Wireless Personal Communications, 2002, 23, 183-194.	2.7	28
11	LDPC codes for the Gaussian wiretap channel. , 2009, , .		25
12	Design of Efficiently-Encodable Rate-Compatible Irregular LDPC Codes. , 2006, , .		17
13	A Study of TDMR Signal Processing Opportunities Based on Quasi-Micromagnetic Simulations. IEEE Transactions on Magnetics, 2015, 51, 1-7.	2.1	15
14	Layered BP Decoding for Rate-Compatible Punctured LDPC Codes. IEEE Communications Letters, 2007, 11, 440-442.	4.1	14
15	Tandem coding and cryptography on wiretap channels: EXIT chart analysis. , 2009, , .		14
16	Stopping sets for physical-layer security. , 2010, , .		10
17	Channel aware encryption and decision fusion for wireless sensor networks. , 2011, , .		10
18	Secure communications with untrusted secondary users in cognitive radio networks. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
19	Optimized puncturing and shortening distributions for nonbinary LDPC codes over the binary erasure channel. , 2008, , .		8
20	Physical-layer security over correlated erasure channels. , 2012, , .		8
21	Post-Error Correcting Code Modeling of Burst Channels Using Hidden Markov Models With Applications to Magnetic Recording. IEEE Transactions on Magnetics, 2007, 43, 572-579.	2.1	6
22	Fixed-Rate Maximum-Runlength-Limited Codes From Variable-Rate Bit Stuffing. IEEE Transactions on Information Theory, 2007, 53, 2769-2790.	2.4	5
23	Capacity bounds for two-dimensional asymmetric M-ary $(0, \hat{p})$ and (d, \hat{p}) runlength-limited channels. IEEE Transactions on Communications, 2009, 57, 1584-1587.	7.8	5
24	GEN04-2: M-ary, Binary, and Space-Volume Multiplexing Trade-offs for Holographic Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
25	Equivocations for the simple substitution cipher with erasure-prone ciphertext. , 2012, , .		4
26	EXIT charts applied to tandem coding and cryptography in a wiretap scenario. , 2009, , .		3
27	Post-ECC Modeling of Magnetic Recording Channels using Hidden Markov Models. , 2006, , .		1
28	Capacity Lower Bounds for Two-Dimensional M-ary $(0, k)$ and (d, \hat{A}_k) Runlength-limited Channels. , 2006, , .		1
29	Incremental Redundancy Low-Density Parity Check Codes for MIMO V-BLAST Systems. , 2006, , .		1
30	Bit Stuff Encoding for $(0, G/l)$ Constraints. , 2006, , .		1
31	Client-Server Architecture Design based on Wiretap Codes. , 2008, , .		0
32	Multilevel coding and multistage decoding for M-ary two-dimensional ISI channels. , 2009, , .		0
33	Quantifying information rate losses with zero-forcing and maximum-likelihood detectors. , 2010, , .		0
34	Random complex field code design for security over wiretap channels. , 2011, , .		0