Jrg Kliewer

List of Publications by Year in Descending Order

129 papers	1,666 citations	21 h-index	35 g-index
150 ext. papers	2,123 ext. citations	4.7 avg, IF	5.02 L-index

#	Paper	IF	Citations
129	Private Linear Computation for Noncolluding Coded Databases. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	1
128	Optimal Rate-Distortion-Leakage Tradeoff for Single-Server Information Retrieval. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	1
127	Private Polynomial Function Computation for Noncolluding Coded Databases. *IEEE Transactions on Information Forensics and Security*, **2022**, 1-1	8	
126	When Differential Privacy Implies Syntactic Privacy. *IEEE Transactions on Information Forensics and Security*, **2022**, 1-1	8	
125	Code Constructions and Bounds for Identification via Channels. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	1
124	Strong Coordination Over Noisy Channels. *IEEE Transactions on Information Theory*, **2021**, 67, 2716-2738	2.8	0
123	Belief Propagation Decoding of Short Graph-Based Channel Codes via Reinforcement Learning. *IEEE Journal on Selected Areas in Information Theory*, **2021**, 2, 627-640	2.5	1
122	Nested Array-Based Spatially Coupled LDPC Codes. *IEEE Transactions on Communications*, **2021**, 69, 3502-3516	6.3	2
121	Error correction for low power sensors in asynchronous communication. *Signal Processing*, **2021**, 182, 107946	4.4	
120	A Code and Rate Equivalence Between Secure Network and Index Coding. *IEEE Journal on Selected Areas in Information Theory*, **2021**, 2, 106-120	2.5	0
119	Optimal Rate-Distortion-Leakage Tradeoff for Single-Server Information Retrieval **2021**,		1
118	JSAIT Editorial for the Special Issue on Beyond Errors and Erasures: Coding for Data Management and Delivery in Networks *IEEE Journal on Selected Areas in Information Theory*, **2021**, 2, 1075-1077	2.5	
117	Private and Secure Distributed Matrix Multiplication With Flexible Communication Load. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 2722-2734	8	29
116	Authentication and Partial Message Correction over Adversarial Multiple-Access Channels **2020**,		1
115	Secure Distributed Storage: Rate-Privacy Trade-Off and XOR-Based Coding Scheme **2020**,		2
114	Learned Scheduling of LDPC Decoders Based on Multi-armed Bandits **2020**,		1
113	**2019**,		2

112	Private Polynomial Computation for Noncolluding Coded Databases **2019**,		5
111	On the Capacity of Private Nonlinear Computation for Replicated Databases **2019**,		3
110	Optimization of Nested Array-based LDPC Codes Via Spatial Coupling **2019**,		1
109	Distributed and Private Coded Matrix Computation with Flexible Communication Load **2019**,		17
108	Structured Coding for Authentication in the Presence of a Malicious Adversary **2019**,		2
107	LDPC Coded Multiuser Shaping for the Gaussian Multiple Access Channel **2019**,		1
106	Coded Computation Against Processing Delays for Virtualized Cloud-Based Channel Decoding. *IEEE Transactions on Communications*, **2019**, 67, 28-38	6.9	6
105	Strong Converses are Just Edge Removal Properties. *IEEE Transactions on Information Theory*, **2019**, 65, 3315-3339	2.8	2
104	. *IEEE Transactions on Information Theory*, **2018**, 64, 1132-1162	2.8	4
103	. *IEEE Transactions on Information Theory*, **2018**, 64, 4496-4512	2.8	3
102	. *IEEE Transactions on Information Theory*, **2018**, 64, 5087-5100	2.8	11
101	Encoding of Spatially Coupled LDGM Codes for Lossy Source Compression. *IEEE Transactions on Communications*, **2018**, 66, 5691-5703	6.9	2
100	Capacity of Private Linear Computation for Coded Databases **2018**,		18
99	Quantifying Neuronal Information Flow in Response to Frequency and Intensity Changes in the Auditory Cortex. *Conference Record of the Asilomar Conference on Signals, Systems and Computers*, **2018**, 2018, 1367-1371	0.3	
98	New Results on the Equality of Exact and Wyner Common Information Rates **2018**,		5
97	Finite Blocklength and Dispersion Bounds for the Arbitrarily- Varying Channel **2018**,		3
96	Secure Network-Index Code Equivalence: Extension to Non-zero Error and Leakage **2018**,		1
95	Coded Computation Against Straggling Decoders for Network Function Virtualization **2018**,		7

94	Achievable Rate of Private Function Retrieval from MDS Coded Databases **2018**,		18
93	**2018**,		6
92	. *IEEE Transactions on Information Theory*, **2017**, 63, 1858-1873	2.8	5
91	Directional and Causal Information Flow in EEG for Assessing Perceived Audio Quality. *IEEE Transactions on Molecular, Biological, and Multi-Scale Communications*, **2017**, 3, 150-165	2.3	4
90	Joint constellation and code design for the Gaussian multiple access channel **2017**,		2
89	Dispersion of the discrete arbitrarily-varying channel with limited shared randomness **2017**,		2
88	A new EEG-based causal information measure for identifying brain connectivity in response to perceived audio quality **2017**,		2
87	Equivalence for Networks With Adversarial State. *IEEE Transactions on Information Theory*, **2017**, 63, 4137-4154	2.8	3
86	Joint coordination-channel coding for strong coordination over noisy channels based on polar codes **2017**,		2
85	Strong coordination over noisy channels: Is separation sufficient? **2017**,		3
84	A generalized algebraic approach to optimizing SC-LDPC codes **2017**,		10
83	On the relationship between edge removal and strong converses **2016**,		2
82	Network equivalence for a joint compound-arbitrarily-varying network model **2016**,		1
81	. *IEEE Transactions on Information Theory*, **2016**, 62, 7195-7206	2.8	35
80	Optimized Design of Finite-Length Separable Circulant-Based Spatially-Coupled Codes: An Absorbing Set-Based Analysis. *IEEE Transactions on Communications*, **2016**, 1-1	6.9	17
79	Sufficient conditions for the equality of exact and Wyner common information **2016**,		6
78	An Equivalence between Secure Network and Index Coding **2016**,		4
77	Strong coordination over a line when actions are Markovian **2016**,		1

76	Guest Editorial Recent Advances in Capacity Approaching Codes. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 205-208	14.2	3
75	Secure index coding: Existence and construction **2016**,		7
74	. *IEEE Transactions on Information Theory*, **2016**, 62, 4024-4038	2.8	14
73	Optimized array-based spatially-coupled LDPC Codes: An absorbing set approach **2015**,		8
72	Lossy compression with privacy constraints: Optimality of polar codes **2015**,		1
71	Strong coordination over multi-hop line networks **2015**,		8
70	Directed information measures for assessing perceived audio quality using EEG **2015**,		2
69	**2015**,		12
68	Lossless and lossy source compression with near-uniform output: Is common randomness always required? **2015**,		2
67	Connecting multiple-unicast and network error correction: Reduction and unachievability **2015**,		3
66	An Information Theoretic Approach Toward Assessing Perceptual Audio Quality Using EEG. *IEEE Transactions on Molecular, Biological, and Multi-Scale Communications*, **2015**, 1, 176-187	2.3	3
65	Catch Me If You Can **2015**,		17
64	Analysis and Enumeration of Absorbing Sets for Non-Binary Graph-Based Codes. *IEEE Transactions on Communications*, **2014**, 62, 398-409	6.9	29
63	Joint design of channel and network coding for star networks connected by binary symmetric channels. *IEEE Transactions on Communications*, **2014**, 62, 158-169	6.9	3
62	**2014**, 52, 168-176		43
61	Low-complexity channel resolvability codes for the symmetric multiple-access channel **2014**,		9
60	**2014**,		10
59	Single-source/sink network error correction is as hard as multiple-unicast **2014**,		1

58	Reverse edge cut-set bounds for secure network coding **2014**,		2
57	Polar coding for noisy write-once memories **2014**,		5
56	On Secure Network Coding With Nonuniform or Restricted Wiretap Sets. *IEEE Transactions on Information Theory*, **2013**, 59, 166-176	2.8	41
55	On Achieving an Asymptotically Error-Free Fixed-Point of Iterative Decoding for Perfect A Priori Information. *IEEE Transactions on Communications*, **2013**, 61, 2146-2155	6.9	
54	Performance Analysis and Design of Two Edge-Type LDPC Codes for the BEC Wiretap Channel. *IEEE Transactions on Information Theory*, **2013**, 59, 1048-1064	2.8	13
53	On secure network coding with uniform wiretap sets **2013**,		13
52	Analysis and enumeration of absorbing sets for non-binary graph-based codes **2013**,		4
51	Strong coordination over a line network **2013**,		17
50	Analysis and Design of Tuned Turbo Codes. *IEEE Transactions on Information Theory*, **2012**, 58, 4796-4813	2.8	8
49	Communication Protocols for N-way All-Cast Relay Networks. *IEEE Transactions on Communications*, **2012**, 60, 3239-3251	6.9	8
48	Network equivalence in the presence of an eavesdropper **2012**,		3
47	Design of Network Codes for Multiple-User Multiple-Relay Wireless Networks. *IEEE Transactions on Communications*, **2012**, 60, 3755-3766	6.9	54
46	Strong coordination with polar codes **2012**,		24
45	Multiple-Access Network Information-Flow and Correction Codes. *IEEE Transactions on Information Theory*, **2011**, 57, 1067-1079	2.8	9
44	On the delay and energy performance in coded two-hop line networks with bursty erasures **2011**,		6
43	On the optimal block length for joint channel and network coding **2011**,		9
42	Energy-delay considerations in coded packet flows **2011**,		2
41	Equivocation of eve using two edge type LDPC codes for the binary erasure wiretap channel **2010**,		5

40	On secure network coding with unequal link capacities and restricted wiretapping sets **2010**,		8
39	When Huffman Meets Hamming: A Class of Optimal Variable-Length Error Correcting Codes **2010**,		2
38	Nested Polar Codes for Wiretap and Relay Channels. *IEEE Communications Letters*, **2010**, 14, 752-754	3.8	98
37	Achievable strategies for general secure network coding **2010**,		8
36	Algebraic constructions of graph-based nested codes from protographs **2010**,		12
35	Achievable rate and optimal physical layer rate allocation in interference-free wireless networks **2009**,		7
34	Trapping set enumerators for repeat multiple accumulate code ensembles **2009**,		4
33	Double Serially Concatenated Convolutional Codes With Jointly Designed S-Type Permutors. *IEEE Transactions on Information Theory*, **2009**, 55, 5811-5821	2.8	1
32	An efficient variable-length code construction for iterative source-channel decoding. *IEEE Transactions on Communications*, **2009**, 57, 2005-2013	6.9	7
31	. *IEEE Transactions on Communications*, **2009**, 57, 3132-3143	6.9	44
30	. *IEEE Transactions on Communications*, **2009**, 57, 3123-3131	6.9	11
29	Two edge type LDPC codes for the wiretap channel **2009**,		11
28	Rate rRegions for coherent and noncoherent multisource network error correction **2009**,		5
27	Near-capacity turbo trellis coded modulation design based on EXIT charts and union bounds - [transactions papers]. *IEEE Transactions on Communications*, **2008**, 56, 2030-2039	6.9	28
26	Some results on relay strategies for memoryless two-way relay channels **2008**,		11
25	Hybrid concatenated codes with asymptotically good distance growth **2008**,		10
24	Space-Time Communication Protocols for N-Way Relay Networks **2008**,		17
23	On the minimum trapping distance of repeat accumulate accumulate codes **2008**,		1

22	Minimum distance bounds for multiple-serially concatenated code ensembles **2008**,		4
21	The Design and Performance of Distributed LT Codes. *IEEE Transactions on Information Theory*, **2007**, 53, 3740-3754	2.8	73
20	. *IEEE Transactions on Information Theory*, **2007**, 53, 3714-3722	2.8	154
19	Algebraic Superposition of LDGM Codes for Cooperative Diversity **2007**,		5
18	On the Performance of Joint and Separate Channel and Network Coding in Wireless Fading Networks **2007**,		14
17	Coding Schemes for an Erasure Relay Channel **2007**,		1
16	Efficient Computation of EXIT Functions for Nonbinary Iterative Decoding. *IEEE Transactions on Communications*, **2006**, 54, 2133-2136	6.9	56
15	**2006**,		33
14	**2006**,		13
13	On the achievable extrinsic information of inner decoders in serial concatenation **2006**,		19
12	Distributed LT Codes **2006**,		14
11	. *IEEE Transactions on Signal Processing*, **2006**, 54, 3688-3701	4.8	29
10	Near-perfect-reconstruction low-complexity two-band IIR/FIR QMF banks with FIR phase-compensation filters. *Signal Processing*, **2006**, 86, 171-181	4.4	8
9	Iterative joint source-channel decoding of variable-length codes using residual source redundancy. *IEEE Transactions on Wireless Communications*, **2005**, 4, 919-929	9.6	33
8	Low-complexity iterative joint source-channel decoding for variable-length encoded Markov sources. *IEEE Transactions on Communications*, **2005**, 53, 2054-2064	6.9	24
7	Memory efficient adaptation of vector quantizers to time-varying channels. *Signal Processing*, **2003**, 83, 1519-1528	4.4	2
6	Robust decoding of variable-length encoded Markov sources using a three-dimensional trellis. *IEEE Communications Letters*, **2003**, 7, 320-322	3.8	19
5	Scanning tunneling spectroscopy of Na on Cu(111). *Physical Review B*, **2001**, 65,	3.3	41

4	Luminescence from metallic quantum wells in a scanning tunneling microscope. *Physical Review Letters*, **2001**, 87, 176803	7.4	67
3	Scanning tunnelling spectroscopy of electron resonators. *New Journal of Physics*, **2001**, 3, 22-22	2.9	73
2	Processing arbitrary-length signals with linear-phase cosine-modulated filter banks. *Signal Processing*, **2000**, 80, 1515-1533	4.4	6
1	Oversampled cosine-modulated filter banks with arbitrary system delay. *IEEE Transactions on Signal Processing*, **1998**, 46, 941-955	4.8	29