Robert F H Fischer

List of Publications by Year
in descending order

36	618	1478505 6	1281871 11
papers	citations	h-index	g-index

37	37	37	480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multilevel Coding for Physical-Layer Security. IEEE Transactions on Communications, 2022, 70, 1999-2009.	7.8	10
2	A New Helper Data Scheme for Soft-Decision Decoding of Binary Physical Unclonable Functions. IEEE Access, 2022, 10, 12644-12653.	4.2	2
3	Algorithms and Bounds for Complex and Quaternionic Lattices With Application to MIMO Transmission. IEEE Transactions on Information Theory, 2022, 68, 4491-4517.	2.4	0
4	Using Polynomial Interpolation for Reproducing Multi-Valued Responses of Physical Unclonable Functions on FPGAs. , 2021, , .		4
5	Four-Dimensional Hurwitz Signal Constellations, Set Partitioning, Detection, and Multilevel Coding. IEEE Transactions on Communications, 2021, 69, 5079-5090.	7.8	4
6	A Multilevel Coding Scheme for Multi-Valued Physical Unclonable Functions. IEEE Transactions on Information Forensics and Security, 2021, 16, 3814-3827.	6.9	5
7	Semantic Security for Indoor THz-Wireless Communication. , 2021, , .		1
8	On Multi-User Deep-Learning-Based Non-Coherent DPSK Multiple-Symbol Differential Detection in Massive MIMO Systems. IEEE Access, 2021, 9, 148339-148352.	4.2	2
9	VAMP with Individual Variances and Sequential Processing for Compressed Sensing. , 2021, , .		1
10	Two-Stage Coded Modulation for Hurwitz Constellations in Fiber-Optical Communications. Journal of Lightwave Technology, 2020, 38, 3135-3146.	4.6	9
11	VAMP with Vector-Valued Diagonalization. , 2020, , .		4
12	Normalization and Multi-Valued Symbol Extraction From RO-PUFs for Enhanced Uniform Probability Distributions. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3372-3376.	3.0	12
13	Coded Modulation for Four-Dimensional Signal Constellations with Concatenated Non-Binary Forward Error Correction. , 2020, , .		1
14	Low-Complexity Detection for Generalized Multistream Spatial Modulation. , 2019, , .		1
15	Channel Models for Physical Unclonable Functions based on DRAM Retention Measurements. , 2019, , .		2
16	A Noncoherent Massive MIMO System Employing Beamspace Techniques. IEEE Transactions on Vehicular Technology, 2019, 68, 11052-11063.	6.3	3
17	Bias Compensation in Iterative Soft-Feedback Algorithms With Applicationto (Discrete) Compressed Sensing. , 2018, , .		2
18	Improved Perturbation-Based Fiber Nonlinearity Compensation. , 2018, , .		3

#	Article	IF	Citations
19	Antenna Design For Noncoherent Massive MIMO Systems. , 2018, , .		2
20	Quaternion-Valued Multi-User MIMO Transmission via Dual-Polarized Antennas and QLLL Reduction. , 2018, , .		3
21	High Range and Doppler Resolution by Application of Compressed Sensing Using Low Baseband Bandwidth OFDM Radar. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3535-3546.	4.6	40
22	Single-step Perturbation-based Nonlinearity Compensation of Intra- and Inter-Subcarrier Nonlinear Interference. , 2017, , .		3
23	V-BLAST in lattice reduction and integer forcing. , 2017, , .		2
24	Unveiling bias compensation in turbo-based algorithms for (discrete) compressed sensing. , 2017, , .		3
25	Sub-Nyquist radar with optimized sensing matrices â€" performance evaluation based on simulations and measurements. , 2016, , .		1
26	Advanced factorization strategies for lattice-reduction-aided preequalization. , 2016, , .		5
27	Enhanced iterative hard thresholding for the estimation of discrete-valued sparse signals. , 2016, , .		4
28	Space-time codes based on rank-metric codes and their decoding. , 2016, , .		7
29	Soft-feedback OMP for the recovery of discrete-valued sparse signals. , 2015, , .		8
30	On the influence of the antenna pattern in noncoherent massive MIMO systems. , 2015, , .		6
31	Lattice-reduction-aided preequalization over algebraic signal constellations. , 2015, , .		6
32	A Sub-Nyquist radar system based on optimized sensing matrices derived via sparse rulers. , 2015, , .		6
33	Decoding metrics for multistage bit-wise coded modulation in optical communications. , 2015, , .		0
34	On a multiple-access in a vector disjunctive channel. , 2013, , .		11
35	Decision-Feedback Differential Detection in Impulse-Radio Ultra-Wideband Systems. IEEE Transactions on Communications, 2011, 59, 1604-1611.	7.8	9
36	The modulo-lattice channel: the key feature in precoding schemes. AEU - International Journal of Electronics and Communications, 2005, 59, 244-253.	2.9	25