

Jun Tao

List of Publications by Year in descending order

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56
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times ranked

440
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust MIMO Underwater Acoustic Communications Using Turbo Block Decision-Feedback Equalization. IEEE Journal of Oceanic Engineering, 2010, 35, 948-960.	3.8	77
2	Estimation of Channel Transfer Function and Carrier Frequency Offset for OFDM Systems With Phase Noise. IEEE Transactions on Vehicular Technology, 2009, 58, 4380-4387.	6.3	75
3	DFT-Precoded MIMO OFDM Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2018, 43, 805-819.	3.8	50
4	Enhanced MIMO LMMSE Turbo Equalization: Algorithm, Simulations, and Undersea Experimental Results. IEEE Transactions on Signal Processing, 2011, 59, 3813-3823.	5.3	49
5	Efficient Adaptive Turbo Equalization for Multiple-Input Multiple-Output Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2018, 43, 792-804.	3.8	46
6	Sparse Direct Adaptive Equalization for Single-Carrier MIMO Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2020, 45, 1622-1631.	3.8	32
7	Key Technologies in 6G Terahertz Wireless Communication Systems: A Survey. IEEE Vehicular Technology Magazine, 2021, 16, 27-37.	3.4	31
8	Effective cleavage of phosphodiester promoted by the zinc(II) and copper(II) inclusion complexes of β -cyclodextrin. Journal of Inorganic Biochemistry, 2016, 163, 176-184.	3.5	20
9	Regularized Multipath Matching Pursuit for Sparse Channel Estimation in Millimeter Wave Massive MIMO System. IEEE Wireless Communications Letters, 2019, 8, 169-172.	5.0	20
10	Time-domain receiver design for MIMO underwater acoustic communications. , 2008, , .		17
11	Improved Zadoff-Chu Sequence Detection in the Presence of Unknown Multipath and Carrier Frequency Offset. IEEE Communications Letters, 2018, 22, 922-925.	4.1	17
12	A Proportionate Recursive Least Squares Algorithm and Its Performance Analysis. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 506-510.	3.0	16
13	Performance Analysis and Improvement for VAMP Soft Frequency-Domain Equalizers. IEEE Access, 2019, 7, 42495-42506.	4.2	13
14	Direct adaptive equalization based on fast sparse recursive least squares algorithms for multiple-input multiple-output underwater acoustic communications. Journal of the Acoustical Society of America, 2019, 145, EL277-EL283.	1.1	11
15	Sparse direct adaptive equalization based on proportionate recursive least squares algorithm for multiple-input multiple-output underwater acoustic communications. Journal of the Acoustical Society of America, 2020, 148, 2280-2287.	1.1	10
16	Proportionate RLS with l_1 norm regularization: Performance analysis and fast implementation. , 2022, 122, 103366.		10
17	A matching algorithm between precursory 3D process model and 2D working procedure drawing based on subgraph isomorphism. Science China Technological Sciences, 2011, 54, 1826-1832.	4.0	9
18	Anonymous authentication-oriented vehicular privacy protection technology research in VANET. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
19	Enhanced Carrier Frequency Offset Estimation Based on Zadoff-Chu Sequences. IEEE Communications Letters, 2019, 23, 1862-1865.	4.1	7
20	Efficient On-Off Keying Underwater Acoustic Communication for Seafloor Observation Networks. Applied Sciences (Switzerland), 2020, 10, 1986.	2.5	7
21	On Low-Complexity Soft-Input Soft-Output Linear Equalizers. IEEE Wireless Communications Letters, 2016, 5, 132-135.	5.0	6
22	Kalman Filter Based Equalization for Underwater Acoustic Communications. , 2019, , .		6
23	Effects of continuous application flue-gas desulfurization gypsum and brackish ice on soil chemical properties and maize growth in a saline soil in coastal area of China. Soil Science and Plant Nutrition, 2019, 65, 82-89.	1.9	6
24	An enhanced iterative receiver based on vector approximate message passing for deep-sea vertical underwater acoustic communications. Journal of the Acoustical Society of America, 2021, 149, 1549-1558.	1.1	6
25	Turbo equalization for MIMO SC-FDMA underwater acoustic communications. , 2016, , .		5
26	An ionic liquid promoted approach to bitriazolyl compounds as succinate-ubiquinone oxidoreductase inhibitors. New Journal of Chemistry, 2017, 41, 204-211.	2.8	5
27	Improved Model-Based Channel Tracking for Underwater Acoustic Communications. , 2020, , .		5
28	CEBD: Contact-Evidence-Driven Blackhole Detection Based on Machine Learning in OppNets. IEEE Transactions on Computational Social Systems, 2021, 8, 1344-1356.	4.4	5
29	A Lightweight Authentication Scheme Based on Consortium Blockchain for Cross-Domain IoT. Security and Communication Networks, 2022, 2022, 1-15.	1.5	5
30	Fast Sparse RLS Algorithms. , 2018, , .		4
31	An Enhanced Data-Driven Array Shape Estimation Method Using Passive Underwater Acoustic Data. Remote Sensing, 2021, 13, 1773.	4.0	4
32	Sparse Adaptive Channel Estimation based on l_0 -PRLS Algorithm for Underwater Acoustic Communications. , 2022, , .		4
33	Doppler Spread Estimation for Broadband Wireless OFDM Systems Over Rician Fading Channels. International Journal of Wireless Information Networks, 2009, 16, 197-208.	2.7	3
34	Comparison of Sparsity-Aware LMS Adaptive Equalization for Underwater Acoustic Communications. , 2018, , .		3
35	Precoded OFDM over underwater acoustic channels. , 2018, , .		3
36	A Fast Proportionate RLS Adaptive Equalization for Underwater Acoustic Communications. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
37	A Fast Non-Contact Vital Signs Detection Method Based on Regional Hidden Markov Model in A 77ghz Lfmcw Radar System. , 2020, , .		3
38	Joint timing and frequency synchronization for OFDM underwater acoustic communications. , 2021, , .		3
39	Doppler Spread Estimation for Broadband Wireless OFDM Systems. , 2007, , .		2
40	On Discrete-Time Modeling of Time-Varying WSSUS Fading Channels. IEEE Transactions on Vehicular Technology, 2010, 59, 3645-3651.	6.3	2
41	Restrictive mechanism of flow control among non-cooperative Internet users. Science China Information Sciences, 2011, 54, 12-22.	4.3	2
42	High Spectral-Efficiency Noncoherent Underwater Acoustic Communication for Seafloor Observation Network. , 2019, , .		2
43	Variable Scale Relative Entropy Detection for Non-Cooperative Underwater Acoustic Pulse Signals. IEEE Access, 2020, 8, 66131-66138.	4.2	2
44	Robust Tdoa Indoor Tracking Using Constrained Measurement Filtering and Grid-Based Filtering. , 2020, , .		2
45	Effects of residue types and plastic mulch on earthworm <i>porrectodea trapezoides</i> (Duges.) Tj ETQq1 1 0.784314 rgBT /Overl 1055-1070.	2.6	2
46	Proportionate Kalman Filter for Model-Based Channel Tracking in Underwater Acoustic Communications. , 2021, , .		2
47	Vector Approximate Message Passing based Channel Estimation for OFDM Underwater Acoustic Communications. , 2021, , .		2
48	CNN-based Automatic Modulation Classification Over Underwater Acoustic Channels. , 2021, , .		2
49	VAMP based Frequency-Domain Turbo Equalization for MIMO Horizontal Underwater Acoustic Communications. , 2022, , .		2
50	<i>p</i> -Nitrophenyl acetate hydrolysis promoted by Zn(II) and Co(II) complexes with the tripodal ligand of <i>N,N</i> -bis(2-quinolinylmethyl)amantadine. Journal of Coordination Chemistry, 2017, 70, 177-188.	2.2	1
51	Direct Adaptive Equalization with CFO Pre-compensation for Single-Carrier Underwater Acoustic Communications. , 2020, , .		1
52	Kld Minimization-Based Constrained Measurement Filtering For Two-Step TDOA Indoor Tracking. , 2021, , .		1
53	Improved Dynamic Compressive Sensing Based Channel Estimation for Single-Carrier Underwater Acoustic Communication. , 2021, , .		1
54	Channel Replay Aided Modulation Classification of Underwater Acoustic Communication Signals. , 2021, , .		1

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55	Enhanced Near-Field Interference Suppression Scheme for the Non-Cooperative Underwater Acoustic Pulse Detection of the Towed Linear Array. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 250.	2.6	1
56	Near-Optimal Self-Iterative VAMP Equalization Enabled by Hadamard-Haar Random Precoding. <i>IEEE Communications Letters</i> , 2020, 24, 1249-1253.	4.1	0