Tae Gyu Chang

List of Publications by Year
in descending order

47 papers	320 citations	933447 10 h-index	888059 17 g-index
47 all docs	47 docs citations	47 times ranked	236 citing authors

#	ARTICLE	IF	CITATIONS
1	Improved "Augmented MVDR Spectrum-Based Frequency Estimation Algorithm" for Unbalanced Power Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-5.	4.7	1
2	An Advanced Frequency Estimation Algorithm Based on Analytic Compensation of Effects of Dominant Harmonic in Power Systems. IEEE Access, 2021, 9, 146568-146577.	4.2	1
3	Distributed Nodes-Based Collaborative Sustaining of Precision Clock Synchronization upon Master Clock Failure in IEEE 1588 System. Sensors, 2020, 20, 5784.	3.8	6
4	Improved Frequency Estimation Algorithm Based on the Compensation of the Unbalance Effect in Power Systems. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9880-9892.	4.7	9
5	Improved Time-Synchronization Algorithm Based on Direct Compensation of Disturbance Effects. Sensors, 2019, 19, 3499.	3.8	6
6	The Effect of Time Synchronization Error in LAN-Based Digital Substation. Sensors, 2019, 19, 2044.	3.8	4
7	A fully integrated high IP1dB CMOS SPDT switch using stacked transistors for 2.4 GHz TDD transceiver applications. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	3
8	Nonuniformity correction scheme considering the effects of internal thermal stray light. Optical Engineering, 2017, 56, 013104.	1.0	3
9	Neuromorphic Hardware Accelerated Lane Detection System. IEICE Transactions on Information and Systems, 2017, E100.D, 2871-2875.	0.7	5
10	Segmentized Clear Channel Assessment for IEEE 802.15.4 Networks. Sensors, 2016, 16, 815.	3.8	15
11	New enhanced clear channel assessment method for IEEE 802.15.4 network. , 2015, , .		3
12	Stability analysis of the FBANC system having delay error in the estimated secondary path model. , 2015, , .		0
13	A compact transmit/receive switch for 2.4 GHz reader-less active RFID tag transceiver. Journal of Central South University, 2015, 22, 546-551.	3.0	10
14	High-Speed Current dq PI Controller for Vector Controlled PMSM Drive. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	15
15	Designing a Ring-VCO for RFID Transponders in 0.18 μm CMOS Process. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	16
16	Performance of a Frequency-Domain OFDM-Timing Estimator. IEEE Communications Letters, 2012, 16, 1680-1683.	4.1	4
17	A mobile digital TV platform with power-saving strategy. , 2011, , .		0
18	A Narrowband Active Noise Control System With Frequency Corrector. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 990-1002.	3.2	41

#	Article	IF	Citations
19	Narrowband active noise control earmuffs system for hearing protection. , 2011, , .		1
20	Analysis of Frequency Mismatch in Narrowband Active Noise Control. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1632-1642.	3.2	45
21	Frequency mismatch in narrowband active noise control. , 2010, , .		4
22	IEEE 802.15.4 BPSK Receiver Architecture Based on a New Efficient Detection Scheme. IEEE Transactions on Signal Processing, 2010, 58, 4711-4719.	5.3	20
23	Iterative Frequency Estimation Based on MVDR Spectrum. IEEE Transactions on Power Delivery, 2010, 25, 621-630.	4.3	27
24	Dependence of crosstalk-induced beat noise on signal synchronism. , 2008, , .		0
25	BOR-FDTD Studies on EBG Cylindrical Guided Structures. , 2007, , .		0
26	Low Complexity Video Encoding with One-Bit Transform based Network-Driven Motion Estimation. IEEE Transactions on Consumer Electronics, 2007, 53, 601-608.	3.6	6
27	Modified Constrained One-Bit Transform Based Fast Block Motion Estimation. IEEE Transactions on Consumer Electronics, 2007, 53, 1093-1097.	3.6	10
28	Post-filtering of DCT Coded Images Using Fuzzy Blockiness Detector and Linear Interpolation. IEEE Transactions on Consumer Electronics, 2007, 53, 1125-1129.	3.6	5
29	Optimal Post-Process/In-Loop Filtering for Improved Video Compression Performance. IEEE Transactions on Consumer Electronics, 2007, 53, 1687-1693.	3.6	15
30	Multiplication-Free One-Bit Transform and Diamond Search Combination for Fast Binary Block Motion Estimation. , 2007, , .		6
31	Analysis of electromagnetic band-gap waveguide structures using body-of-revolution finite-difference time-domain method. Microwave and Optical Technology Letters, 2007, 49, 2201-2206.	1.4	9
32	Implementation of a Mixed Signal Chip for Multichannel Audio Equalizer with Sigma-delta A/D Conversion. , 2006, , .		0
33	Design and analysis of integrated-circuit package antenna (ICPA) for dual-band wireless transceivers. International Journal of RF and Microwave Computer-Aided Engineering, 2006, 16, 250-258.	1.2	2
34	Power saving in a mobile multimedia terminal. , 2006, , .		0
35	Study on Wave Propagation and Boundary Absorption Performance using a Body-of-Revolution Finite-Difference Time-Domain (BOR-FDTD) Method. , 2006, , .		1
36	An adaptive chunk algorithm for flexible multimedia streaming. , 2005, , .		0

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37	A quantization method of direct noise shaping and level matching for the low complexity implementation of MPEG-4 AAC encoder. , 2005, , .		1
38	An efficient method of Huffman decoding for MPEG-2 AAC and its performance analysis. IEEE Transactions on Speech and Audio Processing, 2005, 13, 1206-1209.	1.5	23
39	An adaptive chunk algorithm based multimedia streaming system. , 2005, , .		0
40	A systematic evaluation method for the operation and communication reliabilities of the PLC networked home appliances. IEEE Transactions on Consumer Electronics, 2002, 48, 765-769.	3.6	2
41	Dual beam Laser Doppler vibrometer with body vibration compensation. , 0, , .		0
42	Adaptive compensation of motional disturbances for laser Doppler vibrometer. , 0, , .		0
43	Data Services in cdma2000 Systems. , 0, , .		0
44	Application of cdma2000 in Wireless Local Loop (WLL). , 0, , .		0
45	SNR Investigation of Beam Forming in IS-95 CDMA Base Station Receiver. , 0, , .		0
46	A Power Reduction Technique based on the Microscopic Dynamic Voltage Scaling (DVS) of Multimedia Processors in Wireless Communication Terminal. , 0, , .		0
47	A Low Power Multimedia System based on the Microscopic Dynamic Voltage Scaling (DVS). , 0, , .		1