

Euiseok Hwang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Inferring Socio-Demographic Information Using Smart Meter Data by Transfer Learning. , 2022, , .		0
2	Joint Multi-Level Readback for Array-Reader-Based Interlaced Magnetic Recording. IEEE Transactions on Magnetism, 2021, 57, 1-5.	2.1	2
3	Deep Reinforcement Learning-Based Smart Joint Control Scheme for On/Off Pumping Systems in Wastewater Treatment Plants. IEEE Access, 2021, 9, 95360-95371.	4.2	12
4	Frequency Selective Auto-Encoder for Smart Meter Data Compression. Sensors, 2021, 21, 1521.	3.8	8
5	High spatial resolution imaging of melanoma tissue by femtosecond laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 179, 106090.	2.9	12
6	Time-â€“Frequency Mask Estimation Based on Deep Neural Network for Flexible Load Disaggregation in Buildings. IEEE Transactions on Smart Grid, 2021, 12, 3242-3251.	9.0	19
7	Lightweight Physical Layer Aided Key Agreement and Authentication for the Internet of Things. Electronics (Switzerland), 2021, 10, 1730.	3.1	4
8	Front-end signal processing for metal scrap classification using online measurements based on laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 184, 106282.	2.9	12
9	Price Control-based Decentralized Electric Vehicle Charging Coordination by Arbitration Type Aggregators for Smart Buildings. , 2021, , .		0
10	Probabilistic Forecasting Based Joint Detection and Imputation of Clustered Bad Data in Residential Electricity Loads. Energies, 2021, 14, 165.	3.1	3
11	Radio Frequency Signature based Implicit Object Movement Detection in an Indoor Environment. , 2021, , .		1
12	Weighted-averaging-based classification of laser-induced breakdown spectroscopy measurements using most informative spectral lines. Plasma Science and Technology, 2020, 22, 015501.	1.5	12
13	On the Error Probability of Support Recovery for Orthogonal Matching Pursuit With a Random Measurement Matrix. IEEE Access, 2020, 8, 95503-95511.	4.2	1
14	A Novel Cross-Layer Authentication Protocol for the Internet of Things. IEEE Access, 2020, 8, 196135-196150.	4.2	13
15	Soft classification scheme with pre-cluster-based regression for identification of same-base alloys using laser-induced breakdown spectroscopy. Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104072.	3.5	11
16	Normalized Residue Analysis for Deep Learning Based Probabilistic Forecasting of Photovoltaic Generations. , 2020, , .		4
17	Clustering-Based Self-Imputation of Unlabeled Fault Data in a Fleet of Photovoltaic Generation Systems. Energies, 2020, 13, 737.	3.1	9
18	A Smart Joint Coordination Scheme for Operating Pumps in a Wastewater Treatment Plant. KIISE Transactions on Computing Practices, 2020, 26, 378-383.	0.1	0

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19	Physical Layer Aided Authentication and Key Agreement for the Internet of Things. , 2020, , .		1
20	Load Guided Signal-Based Two-Stage Charging Coordination of Plug-In Electric Vehicles for Smart Buildings. IEEE Access, 2019, 7, 144548-144560.	4.2	11
21	Joint Equalization of Asynchronous Reads in Array-Reader-Based Interlaced Magnetic Recording. IEEE Transactions on Magnetics, 2019, 55, 1-7.	2.1	6
22	Hybrid Load Forecasting for Mixed-Use Complex Based on the Characteristic Load Decomposition by Pilot Signals. IEEE Access, 2019, 7, 12297-12306.	4.2	50
23	A Unified Approach for Compression and Authentication of Smart Meter Reading in AMI. IEEE Access, 2019, 7, 34383-34394.	4.2	24
24	Skew-Aware Joint Multi-Track Equalization for Array Reader-Based Interlaced Magnetic Recording. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	4
25	Single-reader dual-track readback scheme for synchronized interlaced magnetic recording. AIP Advances, 2019, 9, 125240.	1.3	1
26	Machine Learning-based Physical Layer Authentication using Neighborhood Component Analysis in MIMO Wireless Communications. , 2019, , .		7
27	Dynamic Key Update Strategy in Physical-Layer Challenge-Response Authentication. , 2019, , .		2
28	Smart Day-ahead Pump Scheduling Scheme for Electricity Cost Optimization in a Sewage Treatment Plant. , 2019, , .		3
29	Signal processing for real-time identification of similar metals by laser-induced breakdown spectroscopy. Plasma Science and Technology, 2019, 21, 034011.	1.5	15
30	Hybrid Load Forecasting Model based on Atypical Residual of Meteorological Information. KIISE Transactions on Computing Practices, 2019, 25, 52-57.	0.1	0
31	Performance Analysis of Compressive Sensing Based Physical Layer Authentication for AMI. , 2018, , .		1
32	Hybrid Day-ahead Load Forecasting with Atypical Residue based Gaussian Process Regression. , 2018, , .		1
33	Flexible Inter-Track Interference Cancellation for Generalized Interlaced Magnetic Recording.. , 2018, , .		0
34	Adaptive Asynchronous Inter-Track Interference Cancellation for Interlaced Magnetic Recording with Random Frequency Offsets. IEEE Transactions on Magnetics, 2018, 54, 1-8.	2.1	2
35	Generalized Interlaced Magnetic Recording With Flexible Inter-Track Interference Cancellation. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	6
36	Vehicle-to-Building Availability Analysis based on the Flexible Building Guide and the Vehicle Fleet Modeling Associated with the Building Category. KIISE Transactions on Computing Practices, 2018, 24, 582-588.	0.1	2

#	ARTICLE	IF	CITATIONS
37	Mitigation of Noise Correlation for Two-Dimensional Detection in Array-Reader Based Magnetic Recording. IEEE Magnetics Letters, 2017, 8, 1-4.	1.1	7
38	Connected electric vehicles for flexible vehicle-to-grid (V2G) services. , 2017, , .		13
39	Interlaced Magnetic Recording. IEEE Transactions on Magnetics, 2017, 53, 1-7.	2.1	26
40	Secure Multiple Access Based on Multicarrier CDMA With Induced Random Flipping. IEEE Transactions on Vehicular Technology, 2017, 66, 5099-5108.	6.3	4
41	Compressive sensing based power signal compression in advanced metering infrastructure. , 2017, , .		1
42	Asynchronous Inter-Track Interference Cancellation (A-ITIC) for Interlaced Magnetic Recording (IMR). , 2017, , .		5
43	Secure multicarrier DS/SS with induced random flipping. , 2016, , .		1
44	Poster: Electric vehicle network bidirectional charging for flexible vehicle-to-grid services. , 2016, , .		4
45	Cost benefit analysis of public service electric vehicles with vehicle-to-grid (V2G) capability. , 2016, , .		1
46	Likelihood based Wavelength Selection for Sorting Metals by Laser-induced Breakdown Spectroscopy. , 2016, , .		1
47	Skew-Dependent Performance Evaluation of Array-Reader-Based Magnetic Recording With Dual-Reader. IEEE Transactions on Magnetics, 2015, 51, 1-7.	2.1	13
48	Two-track joint detection for two-dimensional magnetic recording (TDMR). , 2015, , .		18
49	Advanced channel signal processing for multi-track or multi-wordline data storage systems. , 2015, , .		1
50	Performance Evaluation of Array-Reader-Based Magnetic Recording with a Drive-Tap Measurement Platform. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	22
51	Capacity Advantage of Array-Reader-Based Magnetic Recording (ARMR) for Next Generation Hard Disk Drives. IEEE Transactions on Magnetics, 2014, 50, 155-161.	2.1	68
52	Signal Model for Shingled Magnetic Recording Based on Data Dependent Erase Band Analysis Under Track Squeeze. IEEE Transactions on Magnetics, 2013, 49, 734-738.	2.1	5
53	Additive encoding low-density parity-check (AE-LDPC) codes for two-dimensional magnetic recording (TDMR). , 2012, , .		3
54	Investigation of Two-Dimensional Magnetic Recording (TDMR) With Position and Timing Uncertainty at 4 Tb/in ² \$. IEEE Transactions on Magnetics, 2011, 47, 4775-4780.	2.1	14

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55	Modeling of 2-D Magnetic Recording and a Comparison of Data Detection Schemes. IEEE Transactions on Magnetics, 2011, 47, 3685-3690.	2.1	19
56	Iterative Cross-Entropy Encoding for Memory Systems with Stuck-At Errors. , 2011, , .		7
57	Signal Processing for Near 10 Tbit/in ² Density in Two-Dimensional Magnetic Recording (TDMR). IEEE Transactions on Magnetics, 2010, 46, 1813-1816.	2.1	60
58	Symmetric Information Rate of an Ideal Readback Two Dimensional Magnetic Recording (TDMR) Channel with Random Voronoi Grains. , 2010, , .		8
59	LDPC Codes for Memory Systems with Scrubbing. , 2010, , .		4
60	Scrubbing with partial side information for radiation-tolerant memory. , 2010, , .		4
61	A multibit-per-cell memory model and nonbinary LDPC codes. , 2010, , .		0
62	TDMR Platform Simulations and Experiments. IEEE Transactions on Magnetics, 2009, 45, 3837-3843.	2.1	52
63	Beamforming-based partial field decomposition in NAH. Journal of Sound and Vibration, 2008, 314, 867-884.	3.9	3
64	Extended Kalman Filter Based Acquisition Timing Recovery for Magnetic Recording Read Channels. , 2008, , .		2
65	A Modified Low-Density Parity-Check Decoder for Holographic Data Storage System. Japanese Journal of Applied Physics, 2007, 46, 3812-3815.	1.5	7
66	Real-time video demonstration of holographic disk data storage system. , 2006, , .		1
67	Channel Data Retrieval in Page-Based Holographic Data Storage. Japanese Journal of Applied Physics, 2006, 45, 1285-1287.	1.5	1
68	Three-Dimensional Error Correction Schemes for Holographic Data Storage. Japanese Journal of Applied Physics, 2005, 44, 3529-3533.	1.5	20
69	Iterative volumetric ECC schemes for holographic data storage. , 2004, , .		6
70	A New Two-Dimensional Pseudo-Random Modulation Code for Holographic Data Storage. Japanese Journal of Applied Physics, 2003, 42, 1010-1013.	1.5	19
71	A New Efficient Error Correctible Modulation Code for Holographic Data Storage. Japanese Journal of Applied Physics, 2002, 41, 1763-1766.	1.5	20
72	Code-word complementing block modulation code for holographic data storage. , 0, , .		0

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73	Real-time Video Demonstration of Holographic Disk Data Storage System. , 0, , .		0