

# Yumei Wen

## List of Publications by Year in descending order

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17  
papers

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1478505

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Detecting and Evaluating the Signals of Wirelessly Interrogational Passive SAW Resonator Sensors. IEEE Sensors Journal, 2004, 4, 828-836.	4.7	34
2	Improved magnetic sensor using laminated magnetic multilayer with coupled exciting and sensing micro planar coils. Sensors and Actuators A: Physical, 2018, 284, 112-119.	4.1	18
3	Enhanced inductance in laminated multilayer magnetic planar inductor for sensitive magnetic field detection. Applied Physics Letters, 2018, 112, .	3.3	14
4	Enhanced Field Sensitivity by Strong Mutual Coupling and Magnetoinduction in Amorphous Film/Planar Coil Multilayers. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	8
5	Analysis on Variable Inductances of Planar Coils Sandwiched by Soft Magnetic Layers. IEEE Transactions on Magnetics, 2018, 54, 1-6.	2.1	7
6	Multitrack Detection With 2-D Iterative Soft Estimate Aided Neural Network Equalizer for Heat-Assisted Interlaced Magnetic Recording. IEEE Transactions on Magnetics, 2021, 57, 1-8.	2.1	7
7	Enhanced dc Magnetic Field Sensitivity for Coupled ac Magnetic Field and Stress Driven Soft Magnetic Laminate Heterostructure. IEEE Sensors Journal, 2020, 20, 14756-14763.	4.7	6
8	Cable Current Detection With Passive RF Sensing Tags. IEEE Transactions on Industrial Electronics, 2022, 69, 930-939.	7.9	5
9	Dual-Frequency Interrogation and Hierarchical Evaluation Scheme for SAW Reflective Delay-Line Sensors. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1258-1266.	3.0	4
10	A giant magnetoimpedance effect based nonvolatile Boolean logic gate. Journal Physics D: Applied Physics, 2020, 53, 035001.	2.8	4
11	Theoretical analyses of magnetoelectric effects for magnetostrictive/radial mode piezoelectric transformer composite under dual ac stress and magnetic field modulation. Smart Materials and Structures, 2021, 30, 075018.	3.5	4
12	Enhancing Magnetic Sensor Sensitivity by Grooved Grating Patterned Soft Magnetic Films. IEEE Sensors Journal, 2021, 21, 22623-22630.	4.7	3
13	Adaptive Environment-Aware Threshold for Passive and Wireless SAW Resonant Sensors. IEEE Sensors Journal, 2019, 19, 9394-9401.	4.7	1
14	Improved Recording Performance With Writer Design and Joint Learning-Based Neural Network for Heat-Assisted Interlaced Magnetic Recording. IEEE Transactions on Magnetics, 2022, 58, 1-8.	2.1	1
15	Multitrack Detection With a Two-Dimensional Soft-Transition Assisted Multitask Neural Network for Heat-Assisted Interlaced Magnetic Recording. IEEE Magnetics Letters, 2021, 12, 1-5.	1.1	1
16	Channel Modeling and Multi-Island Recording Scheme on Bit-Patterned Media With Long-Range Island Orientation Fluctuations. IEEE Transactions on Magnetics, 2018, 54, 1-7.	2.1	0
17	Improving Sensitivity and Resolution of Planar Magnetic Inductive Sensors by Optimizing Gap Between Magnetic Films. IEEE Transactions on Magnetics, 2021, 57, 1-8.	2.1	0