

# Wenfeng Wu

## List of Publications by Year in descending order

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19  
papers

312  
citations

840776

11  
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888059

17  
g-index

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all docs

19  
docs citations

19  
times ranked

153  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Design of Self-Shielded Uniform Magnetic Field Coil via Modified Pigeon-Inspired Optimization in Miniature Atomic Sensors. IEEE Sensors Journal, 2021, 21, 315-324.   | 4.7 | 20        |
| 2  | The Optimization and Stabilization of Pump Light Frequency in the Minimized Atomic Magnetometer. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9. | 4.7 | 3         |
| 3  | A Magnetic Field In-Situ Measurement Method of the Heating Film in Atomic Sensors. IEEE Sensors Journal, 2021, 21, 10539-10545.                                       | 4.7 | 3         |
| 4  | Design of Highly Linear Gradient Field Coils Based on an Improved Target-Field Method. IEEE Sensors Journal, 2021, 21, 16256-16263.                                   | 4.7 | 6         |
| 5  | Real-time stabilization of the alkali-metal transverse axis orientation in nuclear spin comagnetometer by biaxial differential detection. AIP Advances, 2021, 11, .   | 1.3 | 2         |
| 6  | Design of Highly Uniform Three Dimensional Spherical Magnetic Field Coils for Atomic Sensors. IEEE Sensors Journal, 2020, 20, 11229-11236.                            | 4.7 | 30        |
| 7  | Self-Shielded Uniform Magnetic Field Coil Design for Miniature Atomic Sensors Using a Particle Swarm Optimization Algorithm. IEEE Access, 2020, 8, 227866-227878.     | 4.2 | 16        |
| 8  | A Quadra-Layered Multipole Moment Heating Film With Self-Cancellation of Magnetic Field. IEEE Transactions on Magnetics, 2020, 56, 1-11.                              | 2.1 | 12        |
| 9  | The effect of tensor light shift on residual magnetic field compensation in a nuclear spin co-magnetometer. Applied Physics Letters, 2020, 116, .                     | 3.3 | 7         |
| 10 | Pump beam influence on spin polarization homogeneity in the nuclear magnetic resonance gyroscope. Journal Physics D: Applied Physics, 2019, 52, 355001.               | 2.8 | 26        |
| 11 | Design of Highly Uniform Magnetic Field Coils Based on a Particle Swarm Optimization Algorithm. IEEE Access, 2019, 7, 125310-125322.                                  | 4.2 | 37        |
| 12 | An Improved Target-Field Method for the Design of Uniform Magnetic Field Coils in Miniature Atomic Sensors. IEEE Access, 2019, 7, 74800-74810.                        | 4.2 | 28        |
| 13 | MEMS Non-Magnetic Electric Heating Chip for Spin-Exchange-Relaxation-Free (SERF) Magnetometer. IEEE Access, 2019, 7, 88461-88471.                                     | 4.2 | 10        |
| 14 | Uniform Field Coil Design Based on the Target-Field Method in Miniature Atomic Sensors. IEEE Sensors Journal, 2019, 19, 2895-2901.                                    | 4.7 | 24        |
| 15 | Effects of the pulse-driven magnetic field detuning on the calibration of coil constants while using noble gases. AIP Advances, 2018, 8, 045220.                      | 1.3 | 2         |
| 16 | Novel nested saddle coils used in miniature atomic sensors. AIP Advances, 2018, 8, .  | 1.3 | 27        |
| 17 | A method for measuring the spin polarization of $^{129}\text{Xe}$ by using an atomic magnetometer. AIP Advances, 2017, 7, .   | 1.3 | 11        |
| 18 | A method for calibrating coil constants by using the free induction decay of noble gases. AIP Advances, 2017, 7, .  | 1.3 | 22        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Effects of temperature on Rb and $^{129}\text{Xe}$ spin polarization in a nuclear magnetic resonance gyroscope with low pump power. <i>AIP Advances</i> , 2017, 7, . | 1.3 | 26        |