

Wenfeng Wu

List of Publications by Year in descending order

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papers

312
citations

840776

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19
all docs

19
docs citations

19
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Highly Uniform Magnetic Field Coils Based on a Particle Swarm Optimization Algorithm. IEEE Access, 2019, 7, 125310-125322.	4.2	37
2	Design of Highly Uniform Three Dimensional Spherical Magnetic Field Coils for Atomic Sensors. IEEE Sensors Journal, 2020, 20, 11229-11236.	4.7	30
3	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
4	Novel nested saddle coils used in miniature atomic sensors. AIP Advances, 2018, 8, .	1.3	27
5	Effects of temperature on Rb and ^{129}Xe spin polarization in a nuclear magnetic resonance gyroscope with low pump power. AIP Advances, 2017, 7, .	1.3	26
6	Pump beam influence on spin polarization homogeneity in the nuclear magnetic resonance gyroscope. Journal Physics D: Applied Physics, 2019, 52, 355001.	2.8	26
7	Uniform Field Coil Design Based on the Target-Field Method in Miniature Atomic Sensors. IEEE Sensors Journal, 2019, 19, 2895-2901.	4.7	24
8	A method for calibrating coil constants by using the free induction decay of noble gases. AIP Advances, 2017, 7, .	1.3	22
9	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
10	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
11	A Quadra-Layered Multipole Moment Heating Film With Self-Cancellation of Magnetic Field. IEEE Transactions on Magnetics, 2020, 56, 1-11.	2.1	12
12	A method for measuring the spin polarization of ^{129}Xe by using an atomic magnetometer. AIP Advances, 2017, 7, .	1.3	11
13	MEMS Non-Magnetic Electric Heating Chip for Spin-Exchange-Relaxation-Free (SERF) Magnetometer. IEEE Access, 2019, 7, 88461-88471.	4.2	10
14	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
15	Design of Highly Linear Gradient Field Coils Based on an Improved Target-Field Method. IEEE Sensors Journal, 2021, 21, 16256-16263.	4.7	6
16	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
17	A Magnetic Field In-Situ Measurement Method of the Heating Film in Atomic Sensors. IEEE Sensors Journal, 2021, 21, 10539-10545.	4.7	3
18	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

#	ARTICLE	IF	CITATIONS
19	Real-time stabilization of the alkali-metal transverse axis orientation in nuclear spin comagnetometer by biaxial differential detection. <i>AIP Advances</i> , 2021, 11, .	1.3	2