

Feng Liu

List of Publications by Year in descending order

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173
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#	ARTICLE	IF	CITATIONS
1	A parametrically modulated dual-axis atomic spin gyroscope. Applied Physics Letters, 2018, 112, .	3.3	48
2	Suppression of the Bias Error Induced by Magnetic Noise in a Spin-Exchange Relaxation-Free Gyroscope. IEEE Sensors Journal, 2019, 19, 9712-9721.	4.7	44
3	Design of Highly Uniform Three Dimensional Spherical Magnetic Field Coils for Atomic Sensors. IEEE Sensors Journal, 2020, 20, 11229-11236.	4.7	30
4	Suppression of the cross-talk effect in a dual-axis K -Rb \hat{a} comagnetometer. Physical Review A, 2017, 95, 013804.	2.5	21
5	Closed-Loop Control of Compensation Point in the K -Rb \hat{a} Comagnetometer. Physical Review Applied, 2019, 12, 014002.	3.8	28
6	A Fast Measurement for Relaxation Rates and Fermi-Contact Fields in Spin-Exchange Relaxation-Free Comagnetometers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7805-7812.	4.7	27
7	Performance of Low-Noise Ferrite Shield in a K-Rb- ^{21}Ne Co-Magnetometer. IEEE Sensors Journal, 2020, 20, 2543-2549.	4.7	24
8	Spiral Gradient Coil Design for Use in Cylindrical MRI Systems. IEEE Transactions on Biomedical Engineering, 2018, 65, 911-920.	4.2	22
9	Multilayer Cylindrical Magnetic Shield for SERF Atomic Co-Magnetometer Application. IEEE Sensors Journal, 2019, 19, 2916-2923.	4.7	21
10	Low drift nuclear spin gyroscope with probe light intensity error suppression*. Chinese Physics B, 2019, 28, 110701.	1.4	12
11	Optical rotation detection method based on acousto-optic modulation in an atomic spin co-magnetometer. Measurement Science and Technology, 2021, 32, 025112.	2.6	7
12	Investigation on Rotation Response of Spin-Exchange Relaxation-Free Atomic Spin Gyroscope. IEEE Access, 2019, 7, 148176-148182.	4.2	6
13	Suppression of the Bias Error Induced by Vapor Cell Temperature in a Spin-Exchange Relaxation-Free Gyroscope. IEEE Sensors Journal, 2022, 22, 1990-1997.	4.7	6
14	A Highly Sensitive In Situ Magnetic Field Fluctuation Measurement Method Based on Nuclear-Spin Depolarization in an Atomic Comagnetometer. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	6
15	A genetic algorithm and backpropagation neural network based temperature compensation method of spin-exchange relaxation-free co-magnetometer. Review of Scientific Instruments, 2022, 93, 015102.	1.3	4
16	Locking distributed feedback laser diode frequency to gas absorption lines based on genetic programming. Optical Engineering, 2017, 56, 016106.	1.0	3
17	A New Method for Reduction of Atomic Magnetometer Noise Based on Multigene Genetic Programming. IEEE Access, 2019, 7, 67438-67445.	4.2	2
18	Suppression Method of Light Shift in K-Rb Hybrid Optical Pumping SERF Atomic Comagnetometer. IEEE Sensors Journal, 2021, 21, 26665-26672.	4.7	2