

Guan-Xiang Du

List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Widefield microwave imaging in alkali vapor cells with sub-100 μ m resolution. <i>New Journal of Physics</i> , 2015, 17, 112002.	2.9	48
2	Full Electric Control of Exchange Bias at Room Temperature by Resistive Switching. <i>Advanced Materials</i> , 2018, 30, e1801885.	21.0	43
3	Imaging Microwave and DC Magnetic Fields in a Vapor-Cell Rb Atomic Clock. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, 64, 3629-3637.	4.7	35
4	Noninvasive Imaging Method of Microwave Near Field Based on Solid-State Quantum Sensing. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018, 66, 2276-2283.	4.6	34
5	Efficient nitrogen-vacancy centers N^{TM} fluorescence excitation and collection from micrometer-sized diamond by a tapered optical fiber in endoscope-type configuration. <i>Optics Express</i> , 2019, 27, 6734.	3.4	30
6	A fiber based diamond RF B-field sensor and characterization of a small helical antenna. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	25
7	Using Diamond Quantum Magnetometer to Characterize Near-Field Distribution of Patch Antenna. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 2451-2460.	4.6	18
8	Magnetic Field Effect on the Localized Plasmon Resonance in Patterned Noble Metal Nanostructures. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3167-3169.	2.1	15
9	Nitrogen-Vacancy Axis Orientation Measurement in Diamond Micro-Crystal for Tunable RF Vectorial Field Sensing. <i>IEEE Sensors Journal</i> , 2020, 20, 2440-2445.	4.7	13
10	Laser-induced heating in a high-density ensemble of nitrogen-vacancy centers in diamond and its effects on quantum sensing. <i>Optics Letters</i> , 2019, 44, 2851.	3.3	13
11	Tailoring the Faraday effect by birefringence of two dimensional plasmonic nanorod array. <i>Applied Physics Letters</i> , 2011, 99, 191107.	3.3	12
12	Structural Characterization and Temperature Dependence of Tunnel Magnetoresistance in Epitaxial Fe/MgO/Fe Junctions. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2562-2565.	2.1	7
13	Optical Sensing of Broadband RF Magnetic Field Using a Micrometer-Sized Diamond. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	2.1	6
14	Vectorial Near-Field Characterization of Microwave Device by Using Micro Diamond Based on Tapered Fiber. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-6.	1.9	6
15	The effect of shape anisotropy on the spectroscopic characterization of the magneto-optical activity of nanostructures. <i>Journal of Applied Physics</i> , 2013, 113, 213104.	2.5	4
16	High Resolution Microwave B-Field Imaging Using a Micrometer-Sized Diamond Sensor [*] . <i>Chinese Physics Letters</i> , 2019, 36, 127601.	3.3	4
17	Rapid Measurement and Control of Nitrogen-Vacancy Center-Axial Orientation in Diamond Particles*. <i>Chinese Physics Letters</i> , 2020, 37, 114203.	3.3	3
18	Optimized microwave sensing in broad frequency range by a fiber diamond probe. <i>Applied Physics Letters</i> , 2022, 120, 044003.	3.3	3

#	ARTICLE	IF	CITATIONS
19	A novel demodulation method for transmission using nitrogen-vacancy-based solid-state quantum sensor. Chinese Physics B, 2022, 31, 074203.	1.4	2
20	Experimental study on the characteristics of near-field distribution of chips based on nano-diamond quantum magnetometer. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22650.	1.2	1
21	Precision All-Optical EMC Test Technique of Integrated Circuits. , 2019, , .		0
22	Study on Micrometer Sized Leakage in an Electromagnetic Shielding Film Based on Quantum Near Field Probe. , 2021, , .		0
23	Quantum near field probe for integrated circuits electromagnetic interference at wafer level. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	0