

# Guan-Xiang Du

## List of Publications by Year in descending order

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23  
papers

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839539

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23  
all docs

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docs citations

23  
times ranked

393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimized microwave sensing in broad frequency range by a fiber diamond probe. Applied Physics Letters, 2022, 120, 044003.	3.3	3
2	A novel demodulation method for transmission using nitrogen-vacancy-based solid-state quantum sensor. Chinese Physics B, 2022, 31, 074203.	1.4	2
3	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
4	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
5	Study on Micrometer Sized Leakage in an Electromagnetic Shielding Film Based on Quantum Near Field Probe. , 2021, , .		0
6	Nitrogen-Vacancy Axis Orientation Measurement in Diamond Micro-Crystal for Tunable RF Vectorial Field Sensing. IEEE Sensors Journal, 2020, 20, 2440-2445.	4.7	13
7	Vectorial Near-Field Characterization of Microwave Device by Using Micro Diamond Based on Tapered Fiber. IEEE Journal of Quantum Electronics, 2020, 56, 1-6.	1.9	6
8	Rapid Measurement and Control of Nitrogen-Vacancy Center-Axial Orientation in Diamond Particles*. Chinese Physics Letters, 2020, 37, 114203.	3.3	3
9	Using Diamond Quantum Magnetometer to Characterize Near-Field Distribution of Patch Antenna. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2451-2460.	4.6	18
10	Precision All-Optical EMC Test Technique of Integrated Circuits. , 2019, , .		0
11	High Resolution Microwave B-Field Imaging Using a Micrometer-Sized Diamond Sensor*. Chinese Physics Letters, 2019, 36, 127601.	3.3	4
12	Optical Sensing of Broadband RF Magnetic Field Using a Micrometer-Sized Diamond. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	6
13	Efficient nitrogen-vacancy centers fluorescence excitation and collection from micrometer-sized diamond by a tapered optical fiber in endoscope-type configuration. Optics Express, 2019, 27, 6734.	3.4	30
14	Laser-induced heating in a high-density ensemble of nitrogen-vacancy centers in diamond and its effects on quantum sensing. Optics Letters, 2019, 44, 2851.	3.3	13
15	Noninvasive Imaging Method of Microwave Near Field Based on Solid-State Quantum Sensing. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2276-2283.	4.6	34
16	A fiber based diamond RF B-field sensor and characterization of a small helical antenna. Applied Physics Letters, 2018, 113, .	3.3	25
17	Full Electric Control of Exchange Bias at Room Temperature by Resistive Switching. Advanced Materials, 2018, 30, e1801885.	21.0	43
18	Widefield microwave imaging in alkali vapor cells with sub-100µm resolution. New Journal of Physics, 2015, 17, 112002.	2.9	48

#	ARTICLE	IF	CITATIONS
19	Imaging Microwave and DC Magnetic Fields in a Vapor-Cell Rb Atomic Clock. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3629-3637.	4.7	35
20	The effect of shape anisotropy on the spectroscopic characterization of the magneto-optical activity of nanostructures. Journal of Applied Physics, 2013, 113, 213104.	2.5	4
21	Tailoring the Faraday effect by birefringence of two dimensional plasmonic nanorod array. Applied Physics Letters, 2011, 99, 191107.	3.3	12
22	Magnetic Field Effect on the Localized Plasmon Resonance in Patterned Noble Metal Nanostructures. IEEE Transactions on Magnetics, 2011, 47, 3167-3169.	2.1	15
23	Structural Characterization and Temperature Dependence of Tunnel Magnetoresistance in Epitaxial Fe/MgO/Fe Junctions. IEEE Transactions on Magnetics, 2008, 44, 2562-2565.	2.1	7