

HongWen Jiang

List of Publications by Year in descending order

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papers

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840119

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1025
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Frequency Microwave Emission of a Trilayer Magnetic Tunnel Junction in the Absence of External Magnetic Bias Field. <i>Physical Review Applied</i> , 2020, 14, .	1.5	4
2	Direct Measurement of Electron Intervalley Relaxation in a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \text{Si} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Si} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle - \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \text{Ge} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Quantum Dot. <i>Physical Review Applied</i> , 2020, 14, .	1.5	6
3	Efficient unitary method for simulation of driven quantum dot systems. <i>Journal of Physics Communications</i> , 2020, 4, 055004.	0.5	0
4	Lifting of spin blockade by charged impurities in Si-MOS double quantum dot devices. <i>Physical Review B</i> , 2020, 101, .	1.1	3
5	Two-axis quantum control of a fast valley qubit in silicon. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	28
6	Experimental Demonstration of Spintronic Broadband Microwave Detectors and Their Capability for Powering Nanodevices. <i>Physical Review Applied</i> , 2019, 11, .	1.5	49
7	Coherent manipulation of valley states at multiple charge configurations of a silicon quantum dot device. <i>Nature Communications</i> , 2017, 8, 64.	5.8	34
8	Comparison of low frequency charge noise in identically patterned Si/SiO ₂ and Si/SiGe quantum dots. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	66
9	Giant spin-torque diode sensitivity in the absence of bias magnetic field. <i>Nature Communications</i> , 2016, 7, 11259.	5.8	123
10	Observation of the Kondo effect in a quadruple quantum dot. <i>Physical Review B</i> , 2015, 91, .	1.1	3
11	Electron spin resonance and spin-valley physics in a silicon double quantum dot. <i>Nature Communications</i> , 2014, 5, 3860.	5.8	82
12	Photon-assisted-tunneling in a coupled double quantum dot under high microwave excitation powers. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	25
13	Spin transfer nano-oscillators. <i>Nanoscale</i> , 2013, 5, 2219.	2.8	167
14	Ultralow-current-density and bias-field-free spin-transfer nano-oscillator. <i>Scientific Reports</i> , 2013, 3, 1426.	1.6	162
15	Back-action-induced non-equilibrium effect in electron charge counting statistics. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	9
16	Spin-Torque Driven Switching Probability Density Function Asymmetry. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3818-3820.	1.2	24
17	High-Power Coherent Microwave Emission from Magnetic Tunnel Junction Nano-oscillators with Perpendicular Anisotropy. <i>ACS Nano</i> , 2012, 6, 6115-6121.	7.3	125
18	Thermal stability characterization of magnetic tunnel junctions using hard-axis magnetoresistance measurements. <i>Journal of Applied Physics</i> , 2011, 109, 07C708.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Thermodynamic Compressibility Measurements in the Context of 2D Metal-Insulator Transition. Journal of the Physical Society of Japan, 2003, 72, 49-52.	0.7	1
20	Ultralow-current-density and bias-field-free spin-transfer nano-oscillator. , 0, .		1