

Soobeom Lee

List of Publications by Year in descending order

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1478505

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8
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative and systematic analysis of bias dependence of spin accumulation voltage in a nondegenerate Si-based spin valve. <i>Physical Review B</i> , 2019, 99, .	3.2	14
2	Synthetic Rashba spin-orbit system using a silicon metal-oxide semiconductor. <i>Nature Materials</i> , 2021, 20, 1228-1232.	27.5	11
3	Investigation of spin scattering mechanism in silicon channels of Fe/MgO/Si lateral spin valves. <i>Applied Physics Letters</i> , 2017, 110, 192401.	3.3	10
4	Over 1% magnetoresistance ratio at room temperature in non-degenerate silicon-based lateral spin valves. <i>Applied Physics Express</i> , 2020, 13, 083002.	2.4	10
5	Investigation of gating effect in Si spin MOSFET. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	8
6	Gate-Tunable Spin xor Operation in a Silicon-Based Device at Room Temperature. <i>Physical Review Applied</i> , 2020, 13, .	3.8	7
7	Stability of spin XOR gate operation in silicon based lateral spin device with large variations in spin transport parameters. <i>AIP Advances</i> , 2019, 9, 125326.	1.3	3