

# Fabien Rortais

## List of Publications by Year in descending order

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1307594

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1281871

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docs citations

11  
times ranked

190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin transport in <i>p-i-n</i> -type germanium. Journal of Physics Condensed Matter, 2016, 28, 165801.	1.8	25
2	Non-local electrical spin injection and detection in germanium at room temperature. Applied Physics Letters, 2017, 111, .	3.3	19
3	Quantitative and systematic analysis of bias dependence of spin accumulation voltage in a nondegenerate Si-based spin valve. Physical Review B, 2019, 99, .	3.2	14
4	Spin-orbit coupling induced by bismuth doping in silicon thin films. Applied Physics Letters, 2018, 113, .	3.3	11
5	Electrical spin injection in silicon and the role of defects. Physical Review B, 2016, 94, .	3.2	9
6	Monolayer MoS2 field effect transistor with low Schottky barrier height with ferromagnetic metal contacts. Scientific Reports, 2019, 9, 17032.	3.3	9
7	Investigation of gating effect in Si spin MOSFET. Applied Physics Letters, 2020, 116, .	3.3	8
8	Approaching barrier-free contacts to monolayer MoS2 employing [Co/Pt] multilayer electrodes. NPC Asia Materials, 2021, 13, .	7.9	8
9	Introduction and pinning of domain walls in 50nm NiFe constrictions using local and external magnetic fields. Journal of Magnetism and Magnetic Materials, 2016, 406, 166-170.	2.3	6
10	Observation of the Hanle effect in giant magnetoresistance measurements. Applied Physics Letters, 2018, 112, .	3.3	6
11	Optical Orientation and Inverse Spin Hall Effect as Effective Tools to Investigate Spin-Dependent Diffusion. Electronics (Switzerland), 2016, 5, 80.	3.1	4