

CÃ©line Vergnaud

List of Publications by Year in descending order

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33
papers

997
citations

471371

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434063

31
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33
all docs

33
docs citations

33
times ranked

1580
citing authors

#	ARTICLE	IF	CITATIONS
1	High carrier mobility in single-crystal PtSe ₂ grown by molecular beam epitaxy on ZnO(0001). 2D Materials, 2022, 9, 015015.	2.0	10
2	Ferromagnetism and Rashba Spin-Orbit Coupling in the Two-Dimensional (V,Pt)Se ₂ Alloy. ACS Applied Electronic Materials, 2022, 4, 259-268.	2.0	5
3	Evidence for highly p-type doping and type II band alignment in large scale monolayer WSe ₂ /Se-terminated GaAs heterojunction grown by molecular beam epitaxy. Nanoscale, 2022, 14, 5859-5868.	2.8	12
4	Large-scale epitaxy of two-dimensional van der Waals room-temperature ferromagnet Fe ₅ GeTe ₂ . Npj 2D Materials and Applications, 2022, 6, .	3.9	37
5	Effect of crystallinity and thickness on thermal transport in layered PtSe ₂ . Npj 2D Materials and Applications, 2022, 6, .	3.9	12
6	The search for manganese incorporation in MoSe ₂ monolayer epitaxially grown on graphene. Comptes Rendus Physique, 2021, 22, 5-21.	0.3	3
7	Control of spin-charge conversion in van der Waals heterostructures. APL Materials, 2021, 9, .	2.2	20
8	Spin orbitronics at a topological insulator-semiconductor interface. Physical Review B, 2020, 101, .	1.1	11
9	Charge transfers and charged defects in WSe ₂ /graphene-SiC interfaces. Nanotechnology, 2020, 31, 255709.	1.3	12
10	New approach for the molecular beam epitaxy growth of scalable WSe ₂ monolayers. Nanotechnology, 2020, 31, 255602.	1.3	14
11	Observation of Large Unidirectional Rashba Magnetoresistance in Ge(111). Physical Review Letters, 2020, 124, 027201.	2.9	42
12	van der Waals epitaxy of Mn-doped MoSe ₂ on mica. APL Materials, 2019, 7, .	2.2	31
13	Van der Waals solid phase epitaxy to grow large-area manganese-doped MoSe ₂ few-layers on SiO ₂ /Si. 2D Materials, 2019, 6, 035019.	2.0	8
14	The valley Nernst effect in WSe ₂ . Nature Communications, 2019, 10, 5796.	5.8	28
15	Beyond van der Waals Interaction: The Case of MoSe ₂ Epitaxially Grown on Few-Layer Graphene. ACS Nano, 2018, 12, 2319-2331.	7.3	46
16	Spin-to-charge conversion for hot photoexcited electrons in germanium. Physical Review B, 2018, 97, .	1.1	18
17	Magnetotransport in Bi ₂ Se ₃ thin films epitaxially grown on Ge(111). AIP Advances, 2018, 8, 115125.	0.6	17
18	Tuning spin-charge interconversion with quantum confinement in ultrathin bismuth films. Physical Review B, 2018, 98, .	1.1	20

#	ARTICLE	IF	CITATIONS
19	Impact of a van der Waals interface on intrinsic and extrinsic defects in an MoSe ₂ monolayer. Nanotechnology, 2018, 29, 425706.	1.3	16
20	Observation of the Hanle effect in giant magnetoresistance measurements. Applied Physics Letters, 2018, 112, .	1.5	6
21	Millimeter-scale layered MoSe ₂ grown on sapphire and evidence for negative magnetoresistance. Applied Physics Letters, 2017, 110, .	1.5	29
22	Non-local electrical spin injection and detection in germanium at room temperature. Applied Physics Letters, 2017, 111, .	1.5	19
23	Giant magnetoresistance in lateral metallic nanostructures for spintronic applications. Scientific Reports, 2017, 7, 9553.	1.6	11
24	Imaging spin diffusion in germanium at room temperature. Physical Review B, 2017, 96, .	1.1	22
25	Spin-Hall Voltage over a Large Length Scale in Bulk Germanium. Physical Review Letters, 2017, 118, 167402.	2.9	29
26	Spin to Charge Conversion at Room Temperature by Spin Pumping into a New Type of Topological Insulator: \pm -Sn Films. Physical Review Letters, 2016, 116, 096602.	2.9	288
27	Comparison of the use of NiFe and CoFe as electrodes for metallic lateral spin valves. Nanotechnology, 2016, 27, 035201.	1.3	15
28	Spin transport in <i>p</i> -type germanium. Journal of Physics Condensed Matter, 2016, 28, 165801.	0.7	25
29	Ferromagnetic tunnel contacts to graphene: Contact resistance and spin signal. Journal of Applied Physics, 2015, 117, .	1.1	12
30	In-plane and out-of-plane spin precession in lateral spin-valves. Applied Physics Letters, 2013, 102, 132408.	1.5	14
31	Electrical and thermal spin accumulation in germanium. Applied Physics Letters, 2012, 101, .	1.5	28
32	Crossover from Spin Accumulation into Interface States to Spin Injection in the Germanium Conduction Band. Physical Review Letters, 2012, 109, 106603.	2.9	76
33	Electrical spin injection and detection at Al ₂ O ₃ /n-type germanium interface using three terminal geometry. Applied Physics Letters, 2011, 99, 162102.	1.5	61