

Bogdan Karpiak

List of Publications by Year in descending order

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papers

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759233

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811
citing authors

#	ARTICLE	IF	CITATIONS
1	All-electrical creation and control of spin-galvanic signal in graphene and molybdenum ditelluride heterostructures at room temperature. Communications Physics, 2021, 4, .	5.3	20
2	Magnetic proximity in a van der Waals heterostructure of magnetic insulator and graphene. 2D Materials, 2020, 7, 015026.	4.4	80
3	Unconventional Chargeâ€“Spin Conversion in Weylâ€“Semimetal WTe_2 . Advanced Materials, 2020, 32, e2000818.	21.0	83
4	Two-dimensional spintronic circuit architectures on large scale graphene. Carbon, 2020, 161, 892-899.	10.3	32
5	Gate-tunable spin-galvanic effect in graphene-topological insulator van der Waals heterostructures at room temperature. Nature Communications, 2020, 11, 3657.	12.8	76
6	Robust Spin Interconnect with Isotropic Spin Dynamics in Chemical Vapor Deposited Graphene Layers and Boundaries. ACS Nano, 2020, 14, 15864-15873.	14.6	12
7	Charge-spin conversion signal in WTe_2 van der Waals hybrid devices with a geometrical design. Applied Physics Letters, 2020, 117, .	3.3	9
8	Observation of charge to spin conversion in Weyl semimetal WTe_2 at room temperature. Physical Review Research, 2020, 2, .	14.6	12
9	Charge-spin conversion in layered semimetal $TaTe_3$ and spin injection in van der Waals heterostructures. Physical Review Research, 2020, 2, .	14.6	12
10	Electrically controlled spin-switch and evolution of Hanle spin precession in graphene. 2D Materials, 2019, 6, 035042.	4.4	12
11	Origin and evolution of surface spin current in topological insulators. Physical Review B, 2018, 97, .	3.2	33
12	1D ferromagnetic edge contacts to 2D graphene/h-BN heterostructures. 2D Materials, 2018, 5, 014001.	4.4	26
13	Tailoring emergent spin phenomena in Dirac material heterostructures. Science Advances, 2018, 4, eaat9349.	10.3	65
14	Gate-tunable Hall sensors on large area CVD graphene protected by h-BN with 1D edge contacts. Journal of Applied Physics, 2017, 122, .	2.5	20
15	Hall sensors batch-fabricated on all-CVD h-BN/graphene/h-BN heterostructures. Scientific Reports, 2017, 7, 15231.	3.3	33