

Bogdan Karpiak

List of Publications by Year in descending order

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15
papers

602
citations

759233

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996975

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15
all docs

15
docs citations

15
times ranked

811
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional Charge Spin Conversion in Weyl Semimetal WTe_2 . Advanced Materials, 2020, 32, e2000818.	21.0	83
2	Magnetic proximity in a van der Waals heterostructure of magnetic insulator and graphene. 2D Materials, 2020, 7, 015026.	4.4	80
3	Observation of charge to spin conversion in Weyl semimetal WTe_2 at room temperature. Physical Review Research, 2020, 2, .	3.6	78
4	Gate-tunable spin-galvanic effect in graphene-topological insulator van der Waals heterostructures at room temperature. Nature Communications, 2020, 11, 3657.	12.8	76
5	Tailoring emergent spin phenomena in Dirac material heterostructures. Science Advances, 2018, 4, eaat9349.	10.3	65
6	Hall sensors batch-fabricated on all-CVD h-BN/graphene/h-BN heterostructures. Scientific Reports, 2017, 7, 15231.	3.3	33
7	Origin and evolution of surface spin current in topological insulators. Physical Review B, 2018, 97, .	3.2	33
8	Two-dimensional spintronic circuit architectures on large scale graphene. Carbon, 2020, 161, 892-899.	10.3	32
9	1D ferromagnetic edge contacts to 2D graphene/h-BN heterostructures. 2D Materials, 2018, 5, 014001.	4.4	26
10	Charge-spin conversion in layered semimetal $TaTe_2$ and spin injection in van der Waals heterostructures. Physical Review Research, 2020, 2, .	3.6	26
11	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
12	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
13	Electrically controlled spin-switch and evolution of Hanle spin precession in graphene. 2D Materials, 2019, 6, 035042.	4.4	12
14	Robust Spin Interconnect with Isotropic Spin Dynamics in Chemical Vapor Deposited Graphene Layers and Boundaries. ACS Nano, 2020, 14, 15864-15873.	14.6	12
15	Charge-spin conversion signal in WTe_2 van der Waals hybrid devices with a geometrical design. Applied Physics Letters, 2020, 117, .	3.3	9