

Bruno Dlubak

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46
papers

2,655
citations

23
h-index

51
g-index

54
ext. papers

3,030
ext. citations

9.4
avg, IF

4.47
L-index

#	Paper	IF	Citations
46	Solid-state memories based on ferroelectric tunnel junctions. <i>Nature Nanotechnology</i> , 2011 , 7, 101-4	28.7	434
45	Highly efficient spin transport in epitaxial graphene on SiC. <i>Nature Physics</i> , 2012 , 8, 557-561	16.2	338
44	Graphene spintronics: the European Flagship perspective. <i>2D Materials</i> , 2015 , 2, 030202	5.9	198
43	Kinetic control of catalytic CVD for high-quality graphene at low temperatures. <i>ACS Nano</i> , 2012 , 6, 9996-10003	10.7	141
42	The Parameter Space of Graphene Chemical Vapor Deposition on Polycrystalline Cu. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22492-22501	3.8	137
41	Graphene-passivated nickel as an oxidation-resistant electrode for spintronics. <i>ACS Nano</i> , 2012 , 6, 10930-4	6.7	120
40	Sub-nanometer atomic layer deposition for spintronics in magnetic tunnel junctions based on graphene spin-filtering membranes. <i>ACS Nano</i> , 2014 , 8, 7890-5	16.7	96
39	Spintronics with graphene. <i>MRS Bulletin</i> , 2012 , 37, 1245-1254	3.2	95
38	Magnetoresistance in magnetic tunnel junctions grown on flexible organic substrates. <i>Applied Physics Letters</i> , 2010 , 96, 072502	3.4	95
37	Magnetic tunnel junctions with monolayer hexagonal boron nitride tunnel barriers. <i>Applied Physics Letters</i> , 2016 , 108, 102404	3.4	95
36	Introducing carbon diffusion barriers for uniform, high-quality graphene growth from solid sources. <i>Nano Letters</i> , 2013 , 13, 4624-31	11.5	93
35	Interdependency of subsurface carbon distribution and graphene-catalyst interaction. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13698-708	16.4	84
34	Are Al ₂ O ₃ and MgO tunnel barriers suitable for spin injection in graphene?. <i>Applied Physics Letters</i> , 2010 , 97, 092502	3.4	75
33	Measuring the nonlinear refractive index of graphene using the optical Kerr effect method. <i>Optics Letters</i> , 2016 , 41, 3281-4	3	74
32	Substrate-assisted nucleation of ultra-thin dielectric layers on graphene by atomic layer deposition. <i>Applied Physics Letters</i> , 2012 , 100, 173113	3.4	71
31	Graphene-Based Ultrathin Flat Lenses. <i>ACS Photonics</i> , 2015 , 2, 200-207	6.3	62
30	Insulator-to-Metallic Spin-Filtering in 2D-Magnetic Tunnel Junctions Based on Hexagonal Boron Nitride. <i>ACS Nano</i> , 2018 , 12, 4712-4718	16.7	59

29	2D-MTJs: introducing 2D materials in magnetic tunnel junctions. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 203002	3	57
28	Protecting nickel with graphene spin-filtering membranes: A single layer is enough. <i>Applied Physics Letters</i> , 2015 , 107, 012408	3.4	54
27	Band-Structure Spin-Filtering in Vertical Spin Valves Based on Chemical Vapor Deposited WS. <i>ACS Nano</i> , 2019 , 13, 14468-14476	16.7	28
26	Stabilizing ultra-thin black phosphorus with in-situ-grown 1 nm-Al ₂ O ₃ barrier. <i>Applied Physics Letters</i> , 2017 , 111, 243101	3.4	26
25	Tunable Klein-like tunnelling of high-temperature superconducting pairs into graphene. <i>Nature Physics</i> , 2018 , 14, 25-29	16.2	23
24	Homogeneous pinhole free 1 nm Al ₂ O ₃ tunnel barriers on graphene. <i>Applied Physics Letters</i> , 2012 , 101, 203104	3.4	23
23	Spin filtering by proximity effects at hybridized interfaces in spin-valves with 2D graphene barriers. <i>Nature Communications</i> , 2020 , 11, 5670	17.4	17
22	Visible Diffraction from Graphene and Its Application in Holograms. <i>Advanced Optical Materials</i> , 2013 , 1, 869-874	8.1	15
21	Thirty Gigahertz Optoelectronic Mixing in Chemical Vapor Deposited Graphene. <i>Nano Letters</i> , 2016 , 16, 2988-93	11.5	15
20	Anisotropic Magneto-Coulomb Properties of 2D-0D Heterostructure Single Electron Device. <i>Advanced Materials</i> , 2018 , 30, e1802478	24	13
19	Analysis of basic processes inside the keyhole during deep penetration Nd-YAG cw laser welding 2006 ,		10
18	Stabilizing a graphene platform toward discrete components. <i>Applied Physics Letters</i> , 2016 , 109, 253110	3.4	10
17	Path to Overcome Material and Fundamental Obstacles in Spin Valves Based on MoS ₂ and Other Transition-Metal Dichalcogenides. <i>Physical Review Applied</i> , 2019 , 12,	4.3	9
16	Atomic layer deposition of a MgO barrier for a passivated black phosphorus spintronics platform. <i>Applied Physics Letters</i> , 2019 , 114, 053107	3.4	9
15	A Local Study of the Transport Mechanisms in MoS Layers for Magnetic Tunnel Junctions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30017-30021	9.5	8
14	WS ₂ 2D Semiconductor Down to Monolayers by Pulsed-Laser Deposition for Large-Scale Integration in Electronics and Spintronics Circuits. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7908-7916	5.6	8
13	Band-Gap Landscape Engineering in Large-Scale 2D Semiconductor van der Waals Heterostructures. <i>ACS Nano</i> , 2021 , 15, 7279-7289	16.7	8
12	Synthesis of emerging 2D layered magnetic materials. <i>Nanoscale</i> , 2021 , 13, 2157-2180	7.7	7

11	Graphene nanoribbon based plasmonic Fresnel zone plate lenses. <i>RSC Advances</i> , 2017 , 7, 16594-16601	3.7	6
10	Very Long Term Stabilization of a 2D Magnet down to the Monolayer for Device Integration. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 3508-3514	4	6
9	A perpendicular graphene/ferromagnet electrode for spintronics. <i>Applied Physics Letters</i> , 2020 , 116, 173101	3.4	6
8	0D/2D Heterostructures Vertical Single Electron Transistor. <i>Advanced Functional Materials</i> , 2021 , 31, 2008255	15.6	5
7	Wavelength-Selective Diffraction from Silica Thin-Film Gratings. <i>ACS Photonics</i> , 2017 , 4, 2402-2409	6.3	4
6	Long-Range Propagation and Interference of d-Wave Superconducting Pairs in Graphene. <i>Physical Review Letters</i> , 2020 , 125, 087002	7.4	3
5	Spin Transport in Carbon Nanotubes and Graphene: Experiments and Theory 2016 , 681-706		1
4	A ferromagnetic spin source grown by atomic layer deposition. <i>Applied Physics Letters</i> , 2022 , 120, 213503	3.4	1
3	Spin Transport in Carbon Nanotubes and Graphene: Experiments and Theory 2015 , 1-21		
2	Large-Scale-Compatible Stabilization of a 2D Semiconductor Platform toward Discrete Components. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001109	6.4	
1	Organic/Inorganic Hybrid Interfaces for Spin Injection into Carbon Nanotubes and Graphene. <i>Advanced Quantum Technologies</i> , 2100166	4.3	