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## Electrical Spin Injection into Graphene through Monolayer Hexagonal Boron Nitride

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#	Paper	IF	Citations
86	Tunneling transport in a few monolayer-thick WS <sub>2</sub> /graphene heterojunction. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 223109	3.4	27
85	Atomic layer-by-layer deposition of h-BN(0001) on cobalt: a building block for spintronics and graphene electronics. <i>Materials Research Express</i> , <b>2014</b> , 1, 046410	1.7	16
84	Shape of the Hanle curve in spin-transport structures in the presence of an ac drive. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	3
83	Large-scale fabrication of BN tunnel barriers for graphene spintronics. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 074306	2.5	40
82	Spin injection and detection in a graphene lateral spin valve using an yttrium-oxide tunneling barrier. <i>Applied Physics Express</i> , <b>2014</b> , 7, 085101	2.4	6
81	Spintronics with graphene-hexagonal boron nitride van der Waals heterostructures. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 212405	3.4	40
80	Manifestation of two-channel nonlocal spin transport in the shapes of Hanle curves. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	1
79	Out-of-plane magnetoresistance in ferromagnet/graphene/ferromagnet spin-valve junctions. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	28
78	Suppression of contact-induced spin dephasing in graphene/MgO/Co spin-valve devices by successive oxygen treatments. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	31
77	Contact-induced spin polarization of monolayer hexagonal boron nitride on Ni(111). <i>Applied Physics Letters</i> , <b>2014</b> , 104, 051604	3.4	10
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75	Efficient Spin Injection into Graphene through a Tunnel Barrier: Overcoming the Spin-Conductance Mismatch. <i>Physical Review Applied</i> , <b>2014</b> , 2,	4.3	33
74	Ultrathin Chemical Vapor Deposition (CVD)-Grown Hexagonal Boron Nitride as a High-Quality Dielectric for Tunneling Devices on Rigid and Flexible Substrates. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 3340-3346	3.8	23
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72	Graphene-based Mid-infrared Photodetectors and Spin Transport Devices. <i>Journal of the Vacuum Society of Japan</i> , <b>2014</b> , 57, 451-456		
71	On the Structural and Chemical Characteristics of Co/Al <sub>2</sub> O <sub>3</sub> /graphene Interfaces for Graphene Spintronic Devices. <i>Scientific Reports</i> , <b>2015</b> , 5, 14332	4.9	7
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67	Spin and charge transport in graphene-based spin transport devices with Co/MgO spin injection and spin detection electrodes. <i>Synthetic Metals</i> , <b>2015</b> , 210, 42-55	3.6	9
66	Construction of van der Waals magnetic tunnel junction using ferromagnetic layered dichalcogenide. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 103107	3.4	34
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63	Graphene and monolayer transition-metal dichalcogenides: properties and devices. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 845-877	2.5	10
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40	Initial stage of hexagonal boron nitride growth in diffusion and precipitation method. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 06GE06	1.4	2
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