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Tuning the magnetic and electronic properties of bilayer graphene nanoribbons on Si(001) by bias voltage

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#	Paper	IF	Citations
27	Effect of layer stacking on the electronic structure of graphene nanoribbons. <i>ACS Nano</i> , 2011 , 5, 6096-1016,	16.7	29
26	Coupling of magnetic edge states in Li-intercalated bilayer and multilayer zigzag graphene nanoribbons. <i>Europhysics Letters</i> , 2011 , 94, 27007	1.6	4
25	Band structure and optical absorption in multilayer armchair graphene nanoribbons: A Pariser-Parr-Pople model study. <i>Physical Review B</i> , 2011 , 84,	3.3	15
24	Theoretical Study on Magnetoelectric and Thermoelectric Properties for Graphene Devices. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 070115	1.4	8
23	Graphene and graphene nanoribbons on InAs(110) and Au/InAs(110) surfaces: An ab initio study. <i>Physical Review B</i> , 2011 , 84,	3.3	6
22	The physics of epitaxial graphene on SiC(0001). <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 314215	1.8	21
21	Nonlinear to Linear Transition of Magnetoelectric Effect in Magnetic Graphene Nanoflakes on Substrates. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 626-631	3.8	12
20	Tunable bands in biased multilayer epitaxial graphene. <i>Nanoscale</i> , 2012 , 4, 2962-7	7.7	17
19	Band gap opening in methane intercalated graphene. <i>Nanoscale</i> , 2012 , 4, 4443-6	7.7	16
18	Tunable band gap in gold intercalated graphene. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15991-4	3.6	3
17	Theoretical model: Disorder and transport in amorphous nitrogenated carbon ribbons. <i>Journal of Applied Physics</i> , 2013 , 113, 183712	2.5	3
16	A trigonal planar network in hydrogenated epitaxial graphene: a ferromagnetic semiconductor. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2696	7.1	5
15	Highly coherent orientations of graphene on non-reconstructed silicon substrates. <i>Superlattices and Microstructures</i> , 2013 , 54, 39-46	2.8	2
14	Mechanical and thermal stability of graphene and graphene-based materials. <i>Physics-Uspekhi</i> , 2014 , 57, 970-989	2.8	79
13	The extraordinary magnetoelectric response in silicene doped with Fe and Cr atoms. <i>Applied Physics Letters</i> , 2014 , 105, 092410	3.4	15
12	Semiconductor to half-metal to metal transition and magnetism of bilayer graphene nanoribbons/hexagonal boron nitride heterostructure. <i>Solid State Communications</i> , 2014 , 199, 1-10	1.6	7
11	Electric field effects on the electronic properties of the silicene-amine interface. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15639-44	3.6	5

10	Electronic properties of graphene-based bilayer systems. <i>Physics Reports</i> , 2016 , 648, 1-104	27.7	208
9	Generation of coherent radiation by magnetization reversal in graphene. <i>Laser Physics Letters</i> , 2016 , 13, 016001	1.5	3
8	Electronic properties of MoS2 on monolayer, bilayer and bulk SiC: A density functional theory study. <i>Journal of Alloys and Compounds</i> , 2016 , 666, 204-208	5.7	10
7	Strong coupling between magnetization and electric polarization in BC3 sheet adsorbed with Li, Na, K, and Ca. <i>Solid State Communications</i> , 2016 , 226, 13-18	1.6	3
6	Modulation the Band Structure and Physical Properties of the Graphene Materials with Electric Field and Semiconductor Substrate. <i>Springer Proceedings in Physics</i> , 2016 , 279-297	0.2	1
5	Ferrimagnetic and antiferromagnetic phase in bilayer graphene nanoflake controlled with external electric fields. <i>Carbon</i> , 2017 , 118, 78-85	10.4	13
4	Mechanical and thermal stability of graphene and graphene-based materials. <i>Uspekhi Fizicheskikh Nauk</i> , 2014 , 184, 1045-1065	0.5	7
3	Theoretical Study on Magnetoelectric and Thermoelectric Properties for Graphene Devices. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 070115	1.4	8
2	Eliminating Edge Electronic and Phonon States of Phosphorene Nanoribbon by Unique Edge Reconstruction. <i>Small</i> , 2021 , e2105130	11	0
1	Nanoribbons of 2D materials: A review on emerging trends, recent developments and future perspectives. <i>Coordination Chemistry Reviews</i> , 2022 , 453, 214335	23.2	4