

# Silicene field-effect transistors operating at room temp

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Introduction to carbon-based nanostructures. , 0, , 1-10.		0
3	Electronic properties of carbon-based nanostructures. , 0, , 11-90.		0
4	The Interplay of Quantum Confinement and Hydrogenation in Amorphous Silicon Quantum Dots. Advanced Materials, 2015, 27, 8011-8016.	11.1	20
5	Highly Effective Conductance Modulation in Planar Silicene Field Effect Devices Due to Buckling. Scientific Reports, 2015, 5, 14815.	1.6	12
6	Ultrafast field control of symmetry, reciprocity, and reversibility in buckled graphene-like materials. Physical Review B, 2015, 92, .	1.1	22
7	Growth mechanism of silicene on Ag(111) by scanning tunneling microscopy measurements and <i>ab initio</i> calculations. Physical Review B, 2015, 92, .	1.1	38
8	Prediction of a two-dimensional crystalline structure of nitrogen atoms. Physical Review B, 2015, 92, .	1.1	109
9	Silicene multilayers on Ag(111) display a cubic diamondlike structure and reconstruction induced by surfactant Ag atoms. Physical Review B, 2015, 92, .	1.1	36
10	Electric field controlled spin- and valley-polarized edge states in silicene with extrinsic Rashba effect. Physical Review B, 2015, 92, .	1.1	39
11	Spin- and valley-dependent transport through arrays of ferromagnetic silicene junctions. Physical Review B, 2015, 92, .	1.1	60
12	Evidence for a diamondlike electronic band structure of Si multilayers on Ag(111). Physical Review B, 2015, 92, .	1.1	27
13	Conductance, valley and spin polarizations, and tunneling magnetoresistance in ferromagnetic-normal-ferromagnetic junctions of silicene. Physical Review B, 2015, 92, .	1.1	53
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17	Highly tunable magnetism in silicene doped with Cr and Fe atoms under isotropic and uniaxial tensile strain. Applied Physics Letters, 2015, 107, .	1.5	14
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19	Band gap tuning of armchair silicene nanoribbons using periodic hexagonal holes. Journal of Applied Physics, 2015, 118, .	1.1	58

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21	Synthesis of Atomically Thin Boron Films on Copper Foils. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15473-15477.	7.2	247
22	Two-Dimensional Boron Monolayers Mediated by Metal Substrates. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13022-13026.	7.2	288
25	Stability and Electronic Characteristics of Epitaxial Silicene Multilayers on Ag(111). <i>Advanced Functional Materials</i> , 2015, 25, 4083-4090.	7.8	13
26	A comprehensive study of the $(2\sqrt{3}\sqrt{a}\sqrt{a}-\sqrt{a}\sqrt{a}2\sqrt{3})R30^\circ$ structure of silicene on Ag(111). <i>Journal of Physics Condensed Matter</i> , 2015, 27, 395002.	0.7	24
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38	Comparison of electronic structure between monolayer silicenes on Ag (111). <i>Chinese Physics B</i> , 2015, 24, 087307.	0.7	8
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