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Epitaxial Growth and Electronic Properties of Large Hexagonal Graphene Domains on Cu(111) Thin Film

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#	Paper	IF	Citations
77	Lattice-oriented catalytic growth of graphene nanoribbons on heteroepitaxial nickel films. <i>ACS Nano</i> , 2013 , 7, 10825-33	16.7	27
76	Observation of spin-charge conversion in chemical-vapor-deposition-grown single-layer graphene. <i>Applied Physics Letters</i> , 2014 , 105, 162410	3.4	21
75	Energy dissipation in edged and edgeless graphene mechanical resonators. <i>Journal of Applied Physics</i> , 2014 , 116, 064304	2.5	8
74	Ion-Beam Irradiation Effect in the Growth Process of Graphene on Silicon Carbide-on-Insulator Substrates. <i>Materials Science Forum</i> , 2014 , 778-780, 1170-1173	0.4	2
73	Electrically continuous graphene from single crystal copper verified by terahertz conductance spectroscopy and micro four-point probe. <i>Nano Letters</i> , 2014 , 14, 6348-55	11.5	59
72	Polycrystalline graphene with single crystalline electronic structure. <i>Nano Letters</i> , 2014 , 14, 5706-11	11.5	112
71	Synthesis of high-density arrays of graphene nanoribbons by anisotropic metal-assisted etching. <i>Carbon</i> , 2014 , 78, 339-346	10.4	13
70	Microscopically inhomogeneous electronic and material properties arising during thermal and plasma CVD of graphene. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8939-8948	7.1	12
69	Structure and transport properties of the interface between CVD-grown graphene domains. <i>Nanoscale</i> , 2014 , 6, 7288-94	7.7	42
68	Formation of Oriented Graphene Nanoribbons over Heteroepitaxial Cu Surfaces by Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2014 , 26, 5215-5222	9.6	7
67	Epitaxial CVD growth of high-quality graphene and recent development of 2D heterostructures. 2015 ,		
66	Magnetization due to localized states on graphene grain boundary. <i>Scientific Reports</i> , 2015 , 5, 11744	4.9	23
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61	Controlled van der Waals epitaxy of monolayer MoS ₂ triangular domains on graphene. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5265-73	9.5	106

60	CVD Growth of High-Quality Single-Layer Graphene. 2015 , 3-20		6
59	Fourier transform analysis of hexagonal domain for transparent conductive graphene. <i>Optics Express</i> , 2015 , 23, 22544-52	3.3	2
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55	Direct observation of electrically induced Pauli paramagnetism in single-layer graphene using ESR spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 34966	4.9	10
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53	Gate-Tunable Spin-Charge Conversion and the Role of Spin-Orbit Interaction in Graphene. <i>Physical Review Letters</i> , 2016 , 116, 166102	7.4	53
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- 1 Interference of excitons and surface plasmons in the optical absorption spectra of monolayer and bilayer graphene. **2023**, 107, ○