Yanhui Zhang

List of Publications by Year
in descending order

25 papers	383 citations	759055 12 h-index	794469 19 g-index
25 all docs	25 docs citations	25 times ranked	812 citing authors

#	Article	IF	Citations
1	Synthesis of large-area graphene on molybdenum foils by chemical vapor deposition. Carbon, 2012, 50, 5226-5231.	5.4	47
2	Temperature-dependent nitrogen configuration of N-doped graphene by chemical vapor deposition. Carbon, 2015, 81, 814-820.	5.4	45
3	Invisible growth of microstructural defects in graphene chemical vapor deposition on copper foil. Carbon, 2016, 96, 237-242.	5.4	43
4	Wrinkle-dependent hydrogen etching of chemical vapor deposition-grown graphene domains. Carbon, 2014, 70, 75-80.	5.4	29
5	Effect of Cu substrate roughness on growth of graphene domains at atmospheric pressure. Materials Letters, 2014, 131, 138-140.	1.3	24
6	Mechanism of SiOx particles formation during CVD graphene growth on Cu substrates. Carbon, 2018, 139, 989-998.	5.4	21
7	Stripe distributions of graphene-coated Cu foils and their effects on the reduction of graphene wrinkles. RSC Advances, 2015, 5, 96587-96592.	1.7	20
8	Evidence of electric field-tunable tunneling probability in graphene and metal contact. Nanoscale, 2017, 9, 9520-9528.	2.8	18
9	How Do Contact and Channel Contribute to the Dirac Points in Graphene Fieldâ€Effect Transistors?. Advanced Electronic Materials, 2018, 4, 1800158.	2.6	18
10	Edge morphology evolution of graphene domains during chemical vapor deposition cooling revealed through hydrogen etching. Nanoscale, 2016, 8, 4145-4150.	2.8	16
11	Realizing controllable graphene nucleation by regulating the competition of hydrogen and oxygen during chemical vapor deposition heating. Physical Chemistry Chemical Physics, 2016, 18, 23638-23642.	1.3	15
12	Effect of Hydrogen in Size-Limited Growth of Graphene by Atmospheric Pressure Chemical Vapor Deposition. Journal of Electronic Materials, 2015, 44, 79-86.	1.0	14
13	Growth promotion of vertical graphene on SiO₂/Si by Ar plasma process in plasma-enhanced chemical vapor deposition. RSC Advances, 2018, 8, 18757-18761.	1.7	12
14	High quality graphene grown on single-crystal Mo(110) thin films. Materials Letters, 2013, 93, 165-168.	1.3	11
15	Effects of carbon-based impurities on graphene growth. Physical Chemistry Chemical Physics, 2018, 20, 15419-15423.	1.3	11
16	Role of hydrogen and oxygen in the study of substrate surface impurities and defects in the chemical vapor deposition of graphene. Carbon, 2021, 185, 82-95.	5.4	10
17	High pressure-assisted transfer of ultraclean chemical vapor deposited graphene. Applied Physics Letters, 2016, 108, .	1.5	7
18	Improved carrier mobility of chemical vapor deposition-graphene by counter-doping with hydrazine hydrate. Applied Physics Letters, 2015, 106, 091602.	1.5	5

#	Article	IF	Citations
19	Stripe distribution on graphene-coated Cu surface and its effect on oxidation and corrosion resistance of graphene. Journal of Applied Physics, 2017, 121, .	1.1	5
20	Thermal-assisted direct transfer of graphene onto flexible substrates. Materials Letters, 2018, 229, 252-255.	1.3	4
21	A comparative study of Ge/Au/Ni/Au-based ohmic contact on graphene. Journal of Semiconductors, 2014, 35, 056001.	2.0	2
22	Re-nucleation and Etching of Graphene During the Cooling Stage of Chemical Vapor Deposition. Journal of Electronic Materials, 2019, 48, 1740-1745.	1.0	2
23	Chemical vapor deposition growth and characterization of graphite-like film. Materials Research Express, 2020, 7, 015609.	0.8	2
24	Undulate Cu(111) Substrates: A Unique Surface for CVD Graphene Growth. Journal of Electronic Materials, 2015, 44, 3550-3555.	1.0	1
25	Enhancement of the Electrical Properties of CVD-Grown Graphene with Ascorbic Acid Treatment. Journal of Electronic Materials, 2016, 45, 1160-1164.	1.0	1