Yanhui Zhang

List of Publications by Year in Descending Order

25 papers	297 citations	12 h-index	16 g-index
25 ext. papers	349 ext. citations	5 avg, IF	2.56 L-index

#	Paper	IF	Citations
25	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	10.4	3
24	Chemical vapor deposition growth and characterization of graphite-like film. *Materials Research Express*, **2020**, 7, 015609	1.7	2
23	Re-nucleation and Etching of Graphene During the Cooling Stage of Chemical Vapor Deposition. *Journal of Electronic Materials*, **2019**, 48, 1740-1745	1.9	1
22	Thermal-assisted direct transfer of graphene onto flexible substrates. *Materials Letters*, **2018**, 229, 252-255	3.3	3
21	How Do Contact and Channel Contribute to the Dirac Points in Graphene Field-Effect Transistors?. *Advanced Electronic Materials*, **2018**, 4, 1800158	6.4	12
20	Mechanism of SiOx particles formation during CVD graphene growth on Cu substrates. *Carbon*, **2018**, 139, 989-998	10.4	17
19	Growth promotion of vertical graphene on SiO/Si by Ar plasma process in plasma-enhanced chemical vapor deposition.. *RSC Advances*, **2018**, 8, 18757-18761	3.7	8
18	Effects of carbon-based impurities on graphene growth. *Physical Chemistry Chemical Physics*, **2018**, 20, 15419-15423	3.6	8
17	Evidence of electric field-tunable tunneling probability in graphene and metal contact. *Nanoscale*, **2017**, 9, 9520-9528	7.7	13
16	Stripe distribution on graphene-coated Cu surface and its effect on oxidation and corrosion resistance of graphene. *Journal of Applied Physics*, **2017**, 121, 245306	2.5	2
15	Invisible growth of microstructural defects in graphene chemical vapor deposition on copper foil. *Carbon*, **2016**, 96, 237-242	10.4	36
14	Realizing controllable graphene nucleation by regulating the competition of hydrogen and oxygen during chemical vapor deposition heating. *Physical Chemistry Chemical Physics*, **2016**, 18, 23638-42	3.6	12
13	Edge morphology evolution of graphene domains during chemical vapor deposition cooling revealed through hydrogen etching. *Nanoscale*, **2016**, 8, 4145-50	7.7	15
12	Enhancement of the Electrical Properties of CVD-Grown Graphene with Ascorbic Acid Treatment. *Journal of Electronic Materials*, **2016**, 45, 1160-1164	1.9	1
11	High pressure-assisted transfer of ultraclean chemical vapor deposited graphene. *Applied Physics Letters*, **2016**, 108, 132106	3.4	6
10	Stripe distributions of graphene-coated Cu foils and their effects on the reduction of graphene wrinkles. *RSC Advances*, **2015**, 5, 96587-96592	3.7	15
9	Temperature-dependent nitrogen configuration of N-doped graphene by chemical vapor deposition. *Carbon*, **2015**, 81, 814-820	10.4	34

8	Improved carrier mobility of chemical vapor deposition-graphene by counter-doping with hydrazine hydrate. *Applied Physics Letters*, **2015**, 106, 091602	3.4	4
7	Undulate Cu(111) Substrates: A Unique Surface for CVD Graphene Growth. *Journal of Electronic Materials*, **2015**, 44, 3550-3555	1.9	1
6	Effect of Hydrogen in Size-Limited Growth of Graphene by Atmospheric Pressure Chemical Vapor Deposition. *Journal of Electronic Materials*, **2015**, 44, 79-86	1.9	13
5	Wrinkle-dependent hydrogen etching of chemical vapor deposition-grown graphene domains. *Carbon*, **2014**, 70, 75-80	10.4	25
4	Effect of Cu substrate roughness on growth of graphene domains at atmospheric pressure. *Materials Letters*, **2014**, 131, 138-140	3.3	17
3	A comparative study of Ge/Au/Ni/Au-based ohmic contact on graphene. *Journal of Semiconductors*, **2014**, 35, 056001	2.3	1
2	High quality graphene grown on single-crystal Mo(110) thin films. *Materials Letters*, **2013**, 93, 165-168	3.3	10
1	Synthesis of large-area graphene on molybdenum foils by chemical vapor deposition. *Carbon*, **2012**, 50, 5226-5231	10.4	38