

Chong-Yun Park

List of Publications by Year in descending order

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34
papers

628
citations

759233

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docs citations

34
times ranked

1323
citing authors

#	ARTICLE	IF	CITATIONS
1	Indirect Bandgap Puddles in Monolayer MoS ₂ by Substrate-Induced Local Strain. <i>Advanced Materials</i> , 2016, 28, 9378-9384.	21.0	120
2	Growth and emission characteristics of vertically well-aligned carbon nanotubes grown on glass substrate by hot filament plasma-enhanced chemical vapor deposition. <i>Journal of Applied Physics</i> , 2000, 88, 7363-7365.	2.5	73
3	Synthesis of Bandgap-Controlled Semiconducting Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2010, 4, 1012-1018.	14.6	55
4	Epitaxial Growth of a Single-Crystal Hybridized Boron Nitride and Graphene Layer on a Wide-Band Gap Semiconductor. <i>Journal of the American Chemical Society</i> , 2015, 137, 6897-6905.	13.7	55
5	Preparation and field emission properties of Er-decorated multiwalled carbon nanotubes. <i>Carbon</i> , 2010, 48, 54-59.	10.3	41
6	Complementary Dual-Channel Gas Sensor Devices Based on a Role-Allocated ZnO/Graphene Hybrid Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16830-16837.	8.0	41
7	Electrical Double Layer Capacitance in a Graphene-embedded Al ₂ O ₃ Gate Dielectric. <i>Scientific Reports</i> , 2015, 5, 16001.	3.3	34
8	Field emitter density control effect on emission current density by Ag-Cu alloy coating on carbon nanotubes. <i>Applied Physics Letters</i> , 2008, 93, 103101.	3.3	25
9	Two selective growth modes for graphene on a Cu substrate using thermal chemical vapor deposition. <i>Carbon</i> , 2014, 68, 87-94.	10.3	22
10	The decoration of multi-walled carbon nanotubes with metal nanoparticles of uniform size using MeV electron beam irradiation. <i>Carbon</i> , 2011, 49, 1692-1698.	10.3	17
11	Homogeneous and stable p-type doping of graphene by MeV electron beam-stimulated hybridization with ZnO thin films. <i>Applied Physics Letters</i> , 2013, 102, 053103.	3.3	15
12	Site-Specific Growth of Width-Tailored Graphene Nanoribbons on Insulating Substrates. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20023-20029.	3.1	14
13	Formation of uniformly sized gold nanoparticles over graphene by MeV electron beam irradiation for transparent conducting films. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	11
14	Immobilization of carbon nanotubes on functionalized graphene film grown by chemical vapor deposition and characterization of the hybrid material. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 015007.	6.1	11
15	Long-term air-stable n-type doped graphene by multiple lamination with polyethyleneimine. <i>RSC Advances</i> , 2014, 4, 37849.	3.6	11
16	Two-Dimensional Excitonic Photoluminescence in Graphene on a Cu Surface. <i>ACS Nano</i> , 2017, 11, 3207-3212.	14.6	11
17	Chemical Patterning of Graphene <i>via</i> Metal-Assisted Highly Energetic Electron Irradiation for Graphene Homojunction-Based Gas Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47802-47810.	8.0	11
18	Intrinsic Controllable Magnetism of Graphene Grown on Fe. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26870-26876.	3.1	10

#	ARTICLE	IF	CITATIONS
19	Removal of photoresist residues and healing of defects on graphene using H ₂ and CH ₄ plasma. Applied Surface Science, 2019, 463, 802-808.	6.1	9
20	Synthesis of high quality single-walled carbon nanotubes via a catalytic layer reinforced by self-assembled monolayers. Thin Solid Films, 2013, 545, 50-55.	1.8	8
21	P-Type Doping of Graphene Films by Hybridization with Nickel Nanoparticles. Japanese Journal of Applied Physics, 2013, 52, 075101.	1.5	7
22	Heat-driven size manipulation of Fe catalytic nanoparticles for precise control of single-walled carbon nanotube diameter. Journal Physics D: Applied Physics, 2012, 45, 255302.	2.8	5
23	Immobilization of Iron Oxide Nanoclusters on Surface Functionalized Silicon Substrate and Their Catalytic Behavior to Synthesize Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2013, 13, 4587-4592.	0.9	5
24	The roles of ruthenium nanoparticles decorated on thin multi-walled carbon nanotubes in the enhancement of field emission properties. Applied Physics Letters, 2012, 100, .	3.3	4
25	Fabrication of free-standing Al ₂ O ₃ nanosheets for high mobility flexible graphene field effect transistors. Journal of Materials Chemistry C, 2014, 2, 4759.	5.5	4
26	Direct synthesis of electrical-conductivity-controlled boron-carbonitride films on SiO ₂ substrates. Journal of the Korean Physical Society, 2013, 63, 1152-1155.	0.7	2
27	Effect of MeV Electron Beam Irradiation on Graphene Grown by Thermal Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2013, 52, 125104.	1.5	2
28	Formation of Silicon Nanocrystallites by Electron Cyclotron Resonance Chemical Vapor Deposition and Ion Beam Assisted Electron Beam Deposition. Materials Research Society Symposia Proceedings, 1997, 486, 231.	0.1	1
29	Field Emission Property of Micro Emitter Array Fabricated from Conducting Polymer. Molecular Crystals and Liquid Crystals, 2006, 462, 117-126.	0.9	1
30	Direct Growth of Graphene on Insulating Substrate by Laminated (Au/Ni) Catalyst Layer. Applied Science and Convergence Technology, 2015, 24, 117-124.	0.9	1
31	Water pumping performance of a Cryo-TMP combination pump. AIP Advances, 2020, 10, 105332.	1.3	1
32	Oxygen-mediated selection of Cu crystallographic orientation for growth of single-crystalline graphene. Applied Surface Science, 2022, 584, 152585.	6.1	1
33	SELECTIVE CLEAVAGE OF FUNCTIONAL GROUPS IN THE FUNCTIONALIZED ORGANIC MONOLAYERS BY SYNCHROTRON SOFT X-RAYS. Surface Review and Letters, 2002, 09, 305-311.	1.1	0
34	Systematic study on the influence of growth parameters on island density exponent, size distribution and scaling behaviour. Journal of Materials Science, 2007, 42, 6762-6768.	3.7	0