

Won-Hwa Park

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Quantitative Investigation of the Morphologically Corrugated CVD-Grown Graphene Monolayer Surface with a Nanoparticle-on-Mirror System. <i>Plasmonics</i> , 2022, 17, 1445-1449.	3.4	1
2	Nano-Physical Characterization of Chemical Vapor Deposition-Grown Monolayer Graphene for High Performance Electrode: Raman, Surface-Enhanced Raman Spectroscopy, and Electrostatic Force Microscopy Studies. <i>Nanomaterials</i> , 2021, 11, 2839.	4.1	6
3	Direct visualization of a surface-enhanced Raman spectroscopy nano-gap via electrostatic force microscopy: Dependence on charge transfer from the underlying surface nano-gap distance. <i>Applied Surface Science</i> , 2019, 479, 874-878.	6.1	8
4	Experimental investigation of surface morphology of a chemical vapor deposition-grown graphene monolayer mediating with a gap-plasmonic system and the related ripple shape study. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	6
5	Controlling the ripple density and heights: a new way to improve the electrical performance of CVD-grown graphene. <i>Nanoscale</i> , 2016, 8, 9822-9827.	5.6	19
6	Effect of out-of-plane directional intra-layer coupling from graphene monolayer on sp^3 type defect with gap-plasmonic structures. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 37LT01.	2.8	0
7	Out-of-Plane Directional Charge Transfer-Assisted Chemical Enhancement in the Surface-Enhanced Raman Spectroscopy of a Graphene Monolayer. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24354-24359.	3.1	9
8	Exploring the SERS background using a sandwiched graphene monolayer with gap-plasmon junctions. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 105302.	2.8	9
9	Metal-Catalyzed Chemical Reaction of Single Molecules Directly Probed by Vibrational Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 4673-4684.	13.7	151
10	Experimental observation of local electrical signature of suspended graphene grown via chemical vapour deposition method. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 015306.	2.8	5
11	Investigation of out-of-plane structural properties of a graphene monolayer with gap-plasmons: mode-selective Raman enhancement and the influence of additional sp^3 type defects. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26385-26388.	2.8	7
12	Experimental identification of tilted bending formation of graphene monolayer with gap-plasmon. <i>RSC Advances</i> , 2014, 4, 51966-51969.	3.6	7
13	Exploring the relative bending of a CVD graphene monolayer with gap-plasmons. <i>Nanoscale</i> , 2014, 6, 9763.	5.6	12
14	Quantification of the Relative z -Polarized Electromagnetic Field Contribution and Associated Investigation of Asymmetric Shape of Layer Breathing Mode from Au Nanoparticle-Graphene-Au Thin Film Junctions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6989-6993.	3.1	14
15	Electrical performance of chemical vapor deposition graphene on PET substrate tailored by Cu foil surface morphology. <i>EPJ Applied Physics</i> , 2014, 67, 30701.	0.7	6
16	Experimental observation of a suspended single layer graphene film on Cu foil grown via chemical vapor deposition method. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1874-1877.	1.5	8
17	Experimental confirmation of suspended few-layered graphene on a Cu substrate grown via the CVD method and correlated with the electrical performance on a PET substrate. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 345301.	2.8	4
18	Characterization of local charge distribution of polyethylene terephthalate film and influence as a graphene substrate. <i>Applied Physics Letters</i> , 2013, 103, 033107.	3.3	6

#	ARTICLE	IF	CITATIONS
19	Experimental identification of the out-of-plane phonon mode of a few layered graphene from individual Au nanoparticle-Au film junctions. Applied Physics Letters, 2013, 103, 071903.	3.3	11
20	Charge Transfer Enhancement in the SERS of a Single Molecule. Nano Letters, 2010, 10, 4040-4048.	9.1	278
21	Surface-Enhanced Raman Scattering from a Single Nanoparticle-Plane Junction*. ChemPhysChem, 2008, 9, 2491-2494.	2.1	69
22	Axially graded heteroepitaxy and Raman spectroscopic characterizations of Si _{1-x} Ge _x nanowires. Applied Physics Letters, 2008, 92, 263111.	3.3	18
23	Observation of Domain-Selective Defect Effects from a CVD-grown Graphene Monolayer Sandwiched at Individual Nanoparticle-on-Mirror Plasmonic Junctions. Journal of Raman Spectroscopy, 0, , .	2.5	0