Duhee Yoon

List of Publications by Year
in descending order

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34 papers	4,832 citations	257450 24 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	9300 citing authors

#	Article	IF	Citations
1	Negative Thermal Expansion Coefficient of Graphene Measured by Raman Spectroscopy. Nano Letters, 2011, 11, 3227-3231.	9.1	869
2	Large-scale quantum-emitter arrays in atomically thin semiconductors. Nature Communications, 2017, 8, 15093.	12.8	406
3	Estimation of Youngâ€™s Modulus of Graphene by Raman Spectroscopy. Nano Letters, 2012, 12, 4444-4448.	9.1	356
4	Doping Dependence of the Raman Spectrum of Defected Graphene. ACS Nano, 2014, 8, 7432-7441.	14.6	312
5	Friction Anisotropyâ€“Driven Domain Imaging on Exfoliated Monolayer Graphene. Science, 2011, 333, 607-610.	12.6	284
6	Bright visible light emission from graphene. Nature Nanotechnology, 2015, 10, 676-681.	31.5	284
7	High Responsivity, Large-Area Graphene/MoS₂ Flexible Photodetectors. ACS Nano, 2016, 10, 8252-8262.	14.6	275
8	Photo-Induced Bandgap Renormalization Governs the Ultrafast Response of Single-Layer MoS₂. ACS Nano, 2016, 10, 1182-1188.	14.6	272
9	Strain-Dependent Splitting of the Double-Resonance Raman Scattering Band in Graphene. Physical Review Letters, 2011, 106, 155502.	7.8	267
10	Atomically thin quantum light-emitting diodes. Nature Communications, 2016, 7, 12978.	12.8	242
11	Broadband, electrically tunable third-harmonic generation in graphene. Nature Nanotechnology, 2018, 13, 583-588.	31.5	211
12	Variations in the Raman Spectrum as a Function of the Number ofGraphene Layers. Journal of the Korean Physical Society, 2009, 55, 1299-1303.	0.7	197
13	Nanoscale Lithography on Monolayer Graphene Using Hydrogenation and Oxidation. ACS Nano, 2011, 5, 6417-6424.	14.6	138
14	Strong Polarization Dependence of Double-Resonant Raman Intensities in Graphene. Nano Letters, 2008, 8, 4270-4274.	9.1	88
15	Aligned networks of cadmium sulfidenanowires for highly flexible photodetectors with improved photoconductive responses. Journal of Materials Chemistry, 2012, 22, 2173-2179.	6.7	84
16	Raman Fingerprints of Atomically Precise Graphene Nanoribbons. Nano Letters, 2016, 16, 3442-3447.	9.1	83
17	Excitation Energy Dependent Raman Signatures of ABA- and ABC-stacked Few-layer Graphene. Scientific Reports, 2014, 4, 4630.	3.3	75
18	Between Scylla and Charybdis: Hydrophobic Graphene-Guided Water Diffusion on Hydrophilic Substrates. Scientific Reports, 2013, 3, 2309.	3.3	60

#	Article	IF	Citations
19	Multi-Valley Superconductivity in Ion-Gated MoS₂ Layers. Nano Letters, 2018, 18, 4821-4830.	9.1	58
20	Raman Radiation Patterns of Graphene. ACS Nano, 2016, 10, 1756-1763.	14.6	48
21	Fano resonance in Raman scattering of graphene. Carbon, 2013, 61, 373-378.	10.3	34
22	One-step graphene coating of heteroepitaxial GaN films. Nanotechnology, 2012, 23, 435603.	2.6	33
23	Electrical control of nanoscale functionalization in graphene by the scanning probe technique. NPG Asia Materials, 2014, 6, e102-e102.	7.9	29
24	Niobium diselenide superconducting photodetectors. Applied Physics Letters, 2019, 114, .	3.3	28
25	Polarization dependence of double resonant Raman scattering band in bilayer graphene. Carbon, 2014, 72, 257-263.	10.3	20
26	Anisotropic behavior of hydrogen in the formation of pentagonal graphene domains. Carbon, 2015, 89, 242-248.	10.3	17
27	Multiple Magnetic Phases in Van Der Waals Mnâ€Doped SnS₂ Semiconductor. Advanced Functional Materials, 2021, 31, 2102560.	14.9	17
28	Young's modulus of ZnO microwires determined by various mechanical measurement methods. Current Applied Physics, 2014, 14, 166-170.	2.4	15
29	Photoluminescent nanographitic/nitrogen-doped graphitic hollow shells as a potential candidate for biological applications. Journal of Materials Chemistry B, 2013, 1, 1229.	5.8	12
30	Van der Waals electride: Toward intrinsic two-dimensional ferromagnetism of spin-polarized anionic electrons. Materials Today Physics, 2021, 20, 100473.	6.0	10
31	Enhancement of the Raman scattering intensity in folded bilayer graphene. Journal of the Korean Physical Society, 2012, 60, 1278-1281.	0.7	4
32	Anisotropic phonon softening of uniaxially strained bilayer graphene. Carbon, 2016, 103, 473-479.	10.3	3
33	Polarization dependence of the photocurrent due to an anisotropic electron-photon interaction in Pd-graphene-Pd devices. Journal of the Korean Physical Society, 2013, 63, 1019-1022.	0.7	1
34	Radio Frequency Transmission: Improving Radio Frequency Transmission Properties of Graphene via Carrier Concentration Control toward High Frequency Transmission Line Applications (Adv. Funct.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		