# Yun Daniel Park

List of Publications by Year
in descending order



| 41 | 828 | 687363 13 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 42 | 42 | 42 | 1912 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bright visible light emission from graphene. Nature Nanotechnology, 2015, 10, 676-681. | 31.5 | 284 |
| 2 | Methane as an effective hydrogen source for single-layer graphene synthesis on Cu foil by plasma enhanced chemical vapor deposition. Nanoscale, 2013, 5, 1221. | 5.6 | 104 |
| 3 | Focused-Laser-Enabled pâ€“n Junctions in Graphene Field-Effect Transistors. ACS Nano, 2013, 7, 5850-5857. | 14.6 | 76 |
| 4 | High-frequency micromechanical resonators from aluminiumâ€“carbon nanotube nanolaminates. Nature Materials, 2008, 7, 459-463. | 27.5 | 46 |
| 5 | Resistance switching in epitaxial SrCoOx thin films. Applied Physics Letters, 2014, 105, . | 3.3 | 45 |
| 6 | Scalable Assembly Method of Vertically-Suspended and Stretched Carbon Nanotube Network Devices for Nanoscale Electro-Mechanical Sensing Components. Nano Letters, 2008, 8, 4483-4487. | 9.1 | 32 |
| 7 | Transferring MBE-Grown Topological Insulator Films to Arbitrary Substrates and Metalâ€“Insulator Transition via Dirac Gap. Nano Letters, 2014, 14, 1343-1348. | 9.1 | 29 |
| 8 | Room temperature ferromagnetism in GaMnN and GaMnP. Physica Status Solidi A, 2003, 195, 222-227. | 1.7 | 19 |
| 9 | Micromechanical resonators fabricated from lattice-matched and etch-selective GaAsâ•InGaPâ•GaAs heterostructures. Applied Physics Letters, 2007, 91, 133505. | 3.3 | 19 |
| 10 | Investigation of Interface Formed between Top Electrodes and Epitaxial NiO Films for Bipolar Resistance Switching. Japanese Journal of Applied Physics, 2010, 49, 031102. | 1.5 | 19 |
| 11 | Investigation of inelastic electron tunneling spectra of metal-molecule-metal junctions fabricated using direct metal transfer method. Applied Physics Letters, 2015, 106, . | 3.3 | 18 |
| 12 | A new approach for high-yield metalâ€“moleculeâ€“metal junctions by direct metal transfer method. Nanotechnology, 2015, 26, 025601. | 2.6 | 17 |
| 13 | SrFeO3 nanoparticles-dispersed SrMoO4 insulating thin films deposited from Sr2FeMoO6 target in oxygen atmosphere. Applied Physics Letters, 2004, 84, 5037-5039. | 3.3 | 13 |
| 14 | Strong Two-Mode Parametric Interaction and Amplification in a Nanomechanical Resonator. Physical Review Applied, 2018, 9, . | 3.8 | 13 |
| 15 | Photothermal Effect and Heat Dissipation in a Micromechanical Resonator. Applied Physics Express, 2012, 5, 075201. | 2.4 | 9 |
| 16 | High performance CNT point emitter with graphene interfacial layer. Nanotechnology, 2014, 25, 455601. | 2.6 | 9 |
| 17 | Carbon nanotubeâ€“metal nano-laminate for enhanced mechanical strength and electrical conductivity. Carbon, 2011, 49, 2549-2554. | 10.3 | 8 |
| 18 | Universality of periodicity as revealed from interlayer-mediated cracks. Scientific Reports, 2017, 7, 43400. | 3.3 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Determination of Mechanical Properties of Single-Crystal CdS Nanowires from Dynamic Flexural Measurements of Nanowire Mechanical Resonators. Applied Physics Express, 2011, 4, 065004. | 2.4 | 7 |
| 20 | The â€œself spin valveâ€•in oxygen stoichiometric SrRu 1â^'x Fe x O 3â^'Î´ epitaxial thin films. Journal of Alloys and Compounds, 2016, 657, 224-230. | 5.5 | 7 |
| 21 | Electrical modulation of a photonic crystal band-edge laser with a graphene monolayer. Nanoscale, 2018, 10, 8496-8502. | 5.6 | 7 |
| 22 | Effects of tensile stress on the resonant response of Al thin-film and Al-CNT nanolaminate nanomechanical beam resonators. Current Applied Physics, 2011, 11, 746-749. | 2.4 | 6 |
| 23 | Ultra-Narrow Metallic Nano-Trenches Realized by Wet Etching and Critical Point Drying. Nanomaterials, 2021, 11, 783. | 4.1 | 6 |
| 24 | Regrowth of diluted magnetic semiconductor GaMnAs on InGaP (001) surfaces to realize freestanding micromechanical structures. Journal of Applied Physics, 2007, 101, 063906. | 2.5 | 4 |
| 25 | Mechanical Signature of Heat Generated in a Current-Driven Ferromagnetic Resonance System. Physical Review Applied, 2017, 8, . | 3.8 | 4 |
| 26 | Enhanced accuracy in a silicon-nitride-membrane-based microcalorimeter with variation of lateral layout. Thermochimica Acta, 2009, 490, 1-7. | 2.7 | 3 |
| 27 | Nonlinear transport below TC for lateral nanoconstrictions realized in a 100nm GaMnAs epifilm. Applied Physics Letters, 2007, 91, 122514. | 3.3 | 2 |
| 28 | Modification of magnetotransport properties across patterned GaMnAs nanoconstrictions by application of high current densities. Applied Physics Letters, 2009, 95, 022517. | 3.3 | 2 |
| 29 | Effect of Cation Substitution on Bipolar Resistance Switching Behavior in Epitaxially Grown NiO Films. Japanese Journal of Applied Physics, 2010, 49, 075801. | 1.5 | 2 |
| 30 | Observation of electric and magnetic properties in a diluted magnetic semiconductor GaMnAs/GaAs (111). Journal of Crystal Growth, 2011, 336, 20-23. | 1.5 | 2 |
| 31 | Pressure-Dependent Dissipation Effect at Multiple Cantilever Resonant Modes. Journal of Nanoscience and Nanotechnology, 2011, 11, 6599-6602. | 0.9 | 2 |
| 32 | Free-Standing GaMnAs Nanomachined Sheets for van der Pauw Magnetotransport Measurements. Micromachines, 2016, 7, 223. | 2.9 | 2 |
| 33 | Nanomachining-enabled strain manipulation of magnetic anisotropy in the free-standing GaMnAs nanostructures. Scientific Reports, 2019, 9, 13633. | 3.3 | 2 |
| 34 | Geometrical considerations to discern the transverse spin Nernst effect in an all-metallic permalloy/platinum bilayer system. Applied Physics Letters, 2021, 118, . | 3.3 | 1 |
| 35 | Non-monotonic dependence of the anomalous Hall coefficient scaling parameter in annealed Ga1â^'xMnxAs epifilms. Journal of Magnetism and Magnetic Materials, 2007, 310, 2129-2131. | 2.3 | 0 |
| 36 | Characterization of Thermo-Mechanical Properties of Carbon-Based Low-Dimensional Material/Metallic Thin-Film Composites from NEMS Structures. ECS Transactions, 2010, 33, 263-268. | 0.5 | 0 |

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|---|---|---|---|
| 37 | Electrical Field Gradient Pumping of Parametric Oscillation in a High-Frequency Nanoelectromechanical Resonator. Japanese Journal of Applied Physics, 2012, 51, 074003. | 1.5 | 0 |
| 38 | Dynamics of a surface-modified miniaturized SiN mechanical resonator via a nanometer-scale pore array. Nanotechnology, 2016, 27, 195203. | 2.6 | 0 |
| 39 | Investigation of thermomechanical motion in a nanomechanical resonator based on optical intensity mapping. Journal of the Korean Physical Society, 2017, 71, 684-691. | 0.7 | 0 |
| 40 | Nonlinear flexural response of a suspended Au nanobeam structure undergoing an electromigration-lead breakdown. AIP Advances, 2020, 10, 095301. | 1.3 | 0 |
| 41 | Contribution of both bulk and surface states on photothermoelectric transport in epitaxial Bi2Se3 thin films. AIP Advances, 2022, 12, . | 1.3 | 0 |