

Yun Daniel Park

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

828
citations

687363

13
h-index

477307

29
g-index

42
all docs

42
docs citations

42
times ranked

1912
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of both bulk and surface states on photothermoelectric transport in epitaxial Bi ₂ Se ₃ thin films. <i>AIP Advances</i> , 2022, 12, .	1.3	0
2	Ultra-Narrow Metallic Nano-Trenches Realized by Wet Etching and Critical Point Drying. <i>Nanomaterials</i> , 2021, 11, 783.	4.1	6
3	Geometrical considerations to discern the transverse spin Nernst effect in an all-metallic permalloy/platinum bilayer system. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	1
4	Nonlinear flexural response of a suspended Au nanobeam structure undergoing an electromigration-lead breakdown. <i>AIP Advances</i> , 2020, 10, 095301.	1.3	0
5	Nanomachining-enabled strain manipulation of magnetic anisotropy in the free-standing GaMnAs nanostructures. <i>Scientific Reports</i> , 2019, 9, 13633.	3.3	2
6	Electrical modulation of a photonic crystal band-edge laser with a graphene monolayer. <i>Nanoscale</i> , 2018, 10, 8496-8502.	5.6	7
7	Strong Two-Mode Parametric Interaction and Amplification in a Nanomechanical Resonator. <i>Physical Review Applied</i> , 2018, 9, .	3.8	13
8	Universality of periodicity as revealed from interlayer-mediated cracks. <i>Scientific Reports</i> , 2017, 7, 43400.	3.3	8
9	Mechanical Signature of Heat Generated in a Current-Driven Ferromagnetic Resonance System. <i>Physical Review Applied</i> , 2017, 8, .	3.8	4
10	Investigation of thermomechanical motion in a nanomechanical resonator based on optical intensity mapping. <i>Journal of the Korean Physical Society</i> , 2017, 71, 684-691.	0.7	0
11	Free-Standing GaMnAs Nanomachined Sheets for van der Pauw Magnetotransport Measurements. <i>Micromachines</i> , 2016, 7, 223.	2.9	2
12	Dynamics of a surface-modified miniaturized SiN mechanical resonator via a nanometer-scale pore array. <i>Nanotechnology</i> , 2016, 27, 195203.	2.6	0
13	The "self spin valve" in oxygen stoichiometric SrRu _{1-x} Fe _x O ₃ epitaxial thin films. <i>Journal of Alloys and Compounds</i> , 2016, 657, 224-230.	5.5	7
14	Bright visible light emission from graphene. <i>Nature Nanotechnology</i> , 2015, 10, 676-681.	31.5	284
15	Investigation of inelastic electron tunneling spectra of metal-molecule-metal junctions fabricated using direct metal transfer method. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	18
16	A new approach for high-yield metal-molecule-metal junctions by direct metal transfer method. <i>Nanotechnology</i> , 2015, 26, 025601.	2.6	17
17	Resistance switching in epitaxial SrCoO _x thin films. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	45
18	High performance CNT point emitter with graphene interfacial layer. <i>Nanotechnology</i> , 2014, 25, 455601.	2.6	9

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19	Transferring MBE-Grown Topological Insulator Films to Arbitrary Substrates and Metal-Insulator Transition via Dirac Gap. <i>Nano Letters</i> , 2014, 14, 1343-1348.	9.1	29
20	Methane as an effective hydrogen source for single-layer graphene synthesis on Cu foil by plasma enhanced chemical vapor deposition. <i>Nanoscale</i> , 2013, 5, 1221.	5.6	104
21	Focused-Laser-Enabled p-n Junctions in Graphene Field-Effect Transistors. <i>ACS Nano</i> , 2013, 7, 5850-5857.	14.6	76
22	Electrical Field Gradient Pumping of Parametric Oscillation in a High-Frequency Nanoelectromechanical Resonator. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 074003.	1.5	0
23	Photothermal Effect and Heat Dissipation in a Micromechanical Resonator. <i>Applied Physics Express</i> , 2012, 5, 075201.	2.4	9
24	Observation of electric and magnetic properties in a diluted magnetic semiconductor GaMnAs/GaAs (111). <i>Journal of Crystal Growth</i> , 2011, 336, 20-23.	1.5	2
25	Pressure-Dependent Dissipation Effect at Multiple Cantilever Resonant Modes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6599-6602.	0.9	2
26	Effects of tensile stress on the resonant response of Al thin-film and Al-CNT nanolaminate nanomechanical beam resonators. <i>Current Applied Physics</i> , 2011, 11, 746-749.	2.4	6
27	Carbon nanotube-metal nano-laminate for enhanced mechanical strength and electrical conductivity. <i>Carbon</i> , 2011, 49, 2549-2554.	10.3	8
28	Determination of Mechanical Properties of Single-Crystal CdS Nanowires from Dynamic Flexural Measurements of Nanowire Mechanical Resonators. <i>Applied Physics Express</i> , 2011, 4, 065004.	2.4	7
29	Investigation of Interface Formed between Top Electrodes and Epitaxial NiO Films for Bipolar Resistance Switching. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 031102.	1.5	19
30	Characterization of Thermo-Mechanical Properties of Carbon-Based Low-Dimensional Material/Metallic Thin-Film Composites from NEMS Structures. <i>ECS Transactions</i> , 2010, 33, 263-268.	0.5	0
31	Effect of Cation Substitution on Bipolar Resistance Switching Behavior in Epitaxially Grown NiO Films. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 075801.	1.5	2
32	Modification of magnetotransport properties across patterned GaMnAs nanoconstrictions by application of high current densities. <i>Applied Physics Letters</i> , 2009, 95, 022517.	3.3	2
33	Enhanced accuracy in a silicon-nitride-membrane-based microcalorimeter with variation of lateral layout. <i>Thermochimica Acta</i> , 2009, 490, 1-7.	2.7	3
34	High-frequency micromechanical resonators from aluminium-carbon nanotube nanolaminates. <i>Nature Materials</i> , 2008, 7, 459-463.	27.5	46
35	Scalable Assembly Method of Vertically-Suspended and Stretched Carbon Nanotube Network Devices for Nanoscale Electro-Mechanical Sensing Components. <i>Nano Letters</i> , 2008, 8, 4483-4487.	9.1	32
36	Regrowth of diluted magnetic semiconductor GaMnAs on InGaP (001) surfaces to realize freestanding micromechanical structures. <i>Journal of Applied Physics</i> , 2007, 101, 063906.	2.5	4

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37	Nonlinear transport below TC for lateral nanoconstrictions realized in a 100nm GaMnAs epilim. Applied Physics Letters, 2007, 91, 122514.	3.3	2
38	Micromechanical resonators fabricated from lattice-matched and etch-selective GaAs ⁺ InGaP ⁻ GaAs heterostructures. Applied Physics Letters, 2007, 91, 133505.	3.3	19
39	Non-monotonic dependence of the anomalous Hall coefficient scaling parameter in annealed Ga _{1-x} MnxAs epilims. Journal of Magnetism and Magnetic Materials, 2007, 310, 2129-2131.	2.3	0
40	SrFeO ₃ nanoparticles-dispersed SrMoO ₄ insulating thin films deposited from Sr ₂ FeMoO ₆ target in oxygen atmosphere. Applied Physics Letters, 2004, 84, 5037-5039.	3.3	13
41	Room temperature ferromagnetism in GaMnN and GaMnP. Physica Status Solidi A, 2003, 195, 222-227.	1.7	19