

Minkyung Jung

List of Publications by Year in descending order

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27
papers

1,106
citations

471509

17
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

1622
citing authors

#	ARTICLE	IF	CITATIONS
1	Circuit quantum electrodynamics with a spin qubit. Nature, 2012, 490, 380-383.	27.8	384
2	Field Tuning the γ Factor in InAs Nanowire Double Quantum Dots. Physical Review Letters, 2011, 107, 176811.	7.8	135
3	Shell structures in self-assembled InAs quantum dots probed by lateral electron tunneling structures. Applied Physics Letters, 2005, 87, 203109.	3.3	58
4	Radio Frequency Charge Parity Meter. Physical Review Letters, 2012, 109, 166804.	7.8	56
5	Three Synthetic Routes to Single-Crystalline PbS Nanowires with Controlled Growth Direction and Their Electrical Transport Properties. ACS Nano, 2010, 4, 2391-2401.	14.6	50
6	A mechanical memory with a dc modulation of nonlinear resonance. Applied Physics Letters, 2010, 97, .	3.3	40
7	Radio frequency charge sensing in InAs nanowire double quantum dots. Applied Physics Letters, 2012, 100, .	3.3	38
8	GHz nanomechanical resonator in an ultraclean suspended graphene p-n junction. Nanoscale, 2019, 11, 4355-4361.	5.6	34
9	Transformation of ZnTe nanowires to CdTe nanowires through the formation of ZnCdTe core-shell structure by vapor transport. Journal of Materials Chemistry, 2008, 18, 875.	6.7	30
10	Transport properties of single-crystalline n-type semiconducting PbTe nanowires. Nanotechnology, 2009, 20, 415204.	2.6	29
11	Quantum Interference in Radial Heterostructure Nanowires. Nano Letters, 2008, 8, 3189-3193.	9.1	26
12	Microwave Photodetection in an Ultraclean Suspended Bilayer Graphene p-n Junction. Nano Letters, 2016, 16, 6988-6993.	9.1	26
13	Reliable Multivalued Conductance States in TaO _x Memristors through Oxygen Plasma-Assisted Electrode Deposition with in Situ-Biased Conductance State Transmission Electron Microscopy Analysis. ACS Applied Materials & Interfaces, 2018, 10, 29757-29765.	8.0	26
14	Superconducting Junction of a Single-Crystalline Au Nanowire for an Ideal Josephson Device. ACS Nano, 2011, 5, 2271-2276.	14.6	24
15	Gigahertz Quantized Charge Pumping in Bottom-Gate-Defined InAs Nanowire Quantum Dots. Nano Letters, 2015, 15, 4585-4590.	9.1	22
16	Phase Controlled Growth of Cd ₃ As ₂ Nanowires and Their Negative Photoconductivity. Nano Letters, 2020, 20, 4939-4946.	9.1	20
17	Ultraclean Single, Double, and Triple Carbon Nanotube Quantum Dots with Recessed Re Bottom Gates. Nano Letters, 2013, 13, 4522-4526.	9.1	18
18	Impact of transient currents caused by alternating drain stress in oxide semiconductors. Scientific Reports, 2017, 7, 9782.	3.3	17

#	ARTICLE	IF	CITATIONS
19	Quantum Dots Formed in Three-dimensional Dirac Semimetal Cd ₃ As ₂ Nanowires. Nano Letters, 2018, 18, 1863-1868.	9.1	16
20	Measurement of Exciton and Trion Energies in Multistacked hBN/WS ₂ Coupled Quantum Wells for Resonant Tunneling Diodes. ACS Nano, 2020, 14, 16114-16121.	14.6	15
21	Short-channel effect and single-electron transport in individual indium oxide nanowires. Nanotechnology, 2007, 18, 435403.	2.6	13
22	Electrical breakdown and nanogap formation of indium oxide core/shell heterostructure nanowires. Nanotechnology, 2008, 19, 495702.	2.6	13
23	High-quality nanomechanical resonator based on a defect-free gold nanowire. Journal of the Korean Physical Society, 2013, 63, 263-268.	0.7	7
24	Controllable p-n junctions in three-dimensional Dirac semimetal Cd ₃ As ₂ nanowires. Nanotechnology, 2020, 31, 205001.	2.6	4
25	Photocurrent response in few-layered ReS ₂ devices with short and open circuits. Journal of the Korean Physical Society, 2022, 80, 53-58.	0.7	3
26	Quantum interference effect in few-layered transition metal dichalcogenide. Current Applied Physics, 2020, 20, 451-455.	2.4	1
27	Polymorphic Ga ₂ S ₃ nanowires: phase-controlled growth and crystal structure calculations. Nanoscale Advances, 2022, 4, 3218-3225.	4.6	1