

Sunghun Lee

List of Publications by Year in descending order

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papers

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all docs

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docs citations

42
times ranked

1369
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferromagnetism in \hat{I}^2 -Ag ₂ Se topological semimetal. Journal of Alloys and Compounds, 2022, 891, 162025.	5.5	1
2	Vertical graphene on flexible substrate, overcoming limits of crack-based resistive strain sensors. Npj Flexible Electronics, 2022, 6, .	10.7	22
3	Development of amorphous Fe-doped nickel-cobalt phosphate ($\text{Fe}_x\text{NiCo}(\text{PO}_4)_2$) nanostructure for enhanced performance of solid-state asymmetric supercapacitors. International Journal of Energy Research, 2022, 46, 12039-12056.	4.5	15
4	Emergent Topological Hall Effect from Exchange Coupling in Ferromagnetic Cr ₂ Te ₃ /Noncoplanar Antiferromagnetic Cr ₂ Se ₃ Bilayers. ACS Nano, 2022, 16, 8974-8982.	14.6	14
5	Ultrafast interfacial carrier dynamics and persistent topological surface states of Bi ₂ Se ₃ in heterojunctions with VSe ₂ . Communications Physics, 2022, 5, .	5.3	8
6	Proximity-Induced Magnetism Enhancement Emerged in Chiral Magnet MnSi/Topological Insulator Bi ₂ Se ₃ Bilayer. Advanced Quantum Technologies, 2021, 4, 2000124.	3.9	5
7	Skyrmion Phase in MnSi Thin Films Grown on Sapphire by a Conventional Sputtering. Nanoscale Research Letters, 2021, 16, 7.	5.7	6
8	Highly Desirable Platform for Efficient Hydrogen Generation: Electrodeposited CoP on N-Doped Vertical Graphene. ACS Applied Energy Materials, 2021, 4, 5697-5705.	5.1	11
9	Coherent control of interlayer vibrations in Bi ₂ Se ₃ van der Waals thin-films. Nanoscale, 2021, 13, 19264-19273.	5.6	8
10	Comparative Study of SnSe ₂ Exfoliation and the Photothermal Current from the Products. Crystal Growth and Design, 2021, 21, 6648-6654.	3.0	3
11	20 \hat{c} : High Efficiency and Long Device Lifetime Green Organic Light Emitting Diodes using a Pt Complex. Digest of Technical Papers SID International Symposium, 2020, 51, 281-284.	0.3	4
12	In-Depth Structural Characterization of 1T-VSe ₂ Single Crystals Grown by Chemical Vapor Transport. Crystal Growth and Design, 2020, 20, 2860-2865.	3.0	21
13	Facile electrodeposition of V-doped CoP on vertical graphene for efficient alkaline water electrolysis. RSC Advances, 2020, 10, 13016-13020.	3.6	11
14	Structural, magnetic, and electrical properties of collinear antiferromagnetic heteroepitaxy cubic Mn ₃ Ga thin films. Applied Physics Letters, 2019, 115, .	3.3	13
15	Highly Reduced Saturation Magnetization in Epitaxially Grown Ferrimagnetic Heusler Thin Films. ACS Omega, 2019, 4, 16578-16584.	3.5	5
16	Atomistic real-space observation of the van der Waals layered structure and tailored morphology in VSe ₂ . Nanoscale, 2019, 11, 431-436.	5.6	15
17	Studying the reduction of graphene oxide with magnetic measurements. Carbon, 2019, 142, 373-378.	10.3	32
18	Chemical Vapor-Deposited Vanadium Pentoxide Nanosheets with Highly Stable and Low Switching Voltages for Effective Selector Devices. ACS Applied Materials & Interfaces, 2018, 10, 42875-42881.	8.0	9

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19	Three Transition Regions Observed in Single Crystalline Bi-Rich Bi ₂ Te ₃ Nanobelts. <i>Science of Advanced Materials</i> , 2018, 10, 641-646.	0.7	0
20	Ferromagnetism in undoped ZnO nanostructures synthesized by solution plasma process. <i>Current Applied Physics</i> , 2017, 17, 181-185.	2.4	14
21	Thermoelectric Properties of a Single Crystalline Ag ₂ Te Nanowire. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-5.	2.7	13
22	Multilevel resistance in ZnO nanowire memristors enabled by hydrogen annealing treatment. <i>AIP Advances</i> , 2016, 6, 125010.	1.3	19
23	Quantum point contacts and resistive switching in Ni/NiO nanowire junctions. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	12
24	Quantum Electronic Transport of Topological Surface States in \hat{I}^2 -Ag ₂ Se Nanowire. <i>ACS Nano</i> , 2016, 10, 3936-3943.	14.6	24
25	Effects of growth temperature on surface morphology of InP grown on patterned Si(0 0 1) substrates. <i>Journal of Crystal Growth</i> , 2015, 416, 113-117.	1.5	10
26	Epitaxy-driven vertical growth of single-crystalline cobalt nanowire arrays by chemical vapor deposition. <i>Journal of Materials Chemistry C</i> , 2015, 3, 100-106.	5.5	26
27	A plasma-treated chalcogenide switch device for stackable scalable 3D nanoscale memory. <i>Nature Communications</i> , 2013, 4, 2629.	12.8	130
28	Atomistically observing real-space structure of composition modulated (Nb _{0.94} V _{0.06}) ₁₀ (SixGe _{1-x}) ₇ nanowires with ultralow resistivity. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1674.	5.5	5
29	Three-dimensionally kinked high-conducting CoGe nanowire growth induced by rotational twinning. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6259.	5.5	5
30	Single Crystalline \hat{I}^2 -Ag ₂ Te Nanowire as a New Topological Insulator. <i>Nano Letters</i> , 2012, 12, 4194-4199.	9.1	75
31	Magnetotransport Properties and Kondo Effect Observed in a Ferromagnetic Single-Crystalline Fe _{1-x} Co _x Si Nanowire. <i>Chemistry - an Asian Journal</i> , 2012, 7, 406-411.	3.3	2
32	Single Crystalline NbO ₂ Nanowire Synthesis by Chemical Vapor Transport Method. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 839-842.	1.9	17
33	Itinerant Helimagnetic Single-Crystalline MnSi Nanowires. <i>ACS Nano</i> , 2010, 4, 2569-2576.	14.6	39
34	Composition-Tuned ConSi Nanowires: Location-Selective Simultaneous Growth along Temperature Gradient. <i>ACS Nano</i> , 2009, 3, 1145-1150.	14.6	48
35	Morphology-Tuned Synthesis of Single-Crystalline V ₅ Si ₃ Nanotubes and Nanowires. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12996-13001.	3.1	17
36	Room Temperature Ferromagnetism in Single-Crystalline Fe ₅ Si ₃ Nanowires. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6902-6905.	3.1	36

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37	Single-Crystalline Ferromagnetic Fe _{1-x} Co _x Si Nanowires. Journal of Physical Chemistry C, 2008, 112, 4748-4752.	3.1	31
38	Electronic transport mechanism and photocurrent generations of single-crystalline InN nanowires. Nanotechnology, 2008, 19, 415202.	2.6	13
39	Magnetic Properties of Single-Crystalline CoSi Nanowires. Nano Letters, 2007, 7, 1240-1245.	9.1	132
40	Blood-type distribution. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 533-540.	2.6	3