

Seung Sae Hong

List of Publications by Year in descending order

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26
papers

10,078
citations

279798

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552781

26
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28
all docs

28
docs citations

28
times ranked

16910
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress, Challenges, and Opportunities in Two-Dimensional Materials Beyond Graphene. ACS Nano, 2013, 7, 2898-2926.	14.6	4,062
2	Hollow Carbon Nanofiber-Encapsulated Sulfur Cathodes for High Specific Capacity Rechargeable Lithium Batteries. Nano Letters, 2011, 11, 4462-4467.	9.1	1,194
3	Physical and chemical tuning of two-dimensional transition metal dichalcogenides. Chemical Society Reviews, 2015, 44, 2664-2680.	38.1	694
4	New Nanostructured Li ₂ S/Silicon Rechargeable Battery with High Specific Energy. Nano Letters, 2010, 10, 1486-1491.	9.1	612
5	Surface chemistry and morphology of the solid electrolyte interphase on silicon nanowire lithium-ion battery anodes. Journal of Power Sources, 2009, 189, 1132-1140.	7.8	559
6	Impedance Analysis of Silicon Nanowire Lithium Ion Battery Anodes. Journal of Physical Chemistry C, 2009, 113, 11390-11398.	3.1	510
7	Synthesis of freestanding single-crystal perovskite films and heterostructures by etching of sacrificial water-soluble layers. Nature Materials, 2016, 15, 1255-1260.	27.5	387
8	Ambipolar field effect in the ternary topological insulator (Bi _x Sb _{1-x}) ₂ Te ₃ by composition tuning. Nature Nanotechnology, 2011, 6, 705-709.	31.5	345
9	Structural and electrochemical study of the reaction of lithium with silicon nanowires. Journal of Power Sources, 2009, 189, 34-39.	7.8	276
10	Ultra-low carrier concentration and surface-dominant transport in antimony-doped Bi ₂ Se ₃ topological insulator nanoribbons. Nature Communications, 2012, 3, 757.	12.8	197
11	Vertical Heterostructure of Two-Dimensional MoS ₂ and WSe ₂ with Vertically Aligned Layers. Nano Letters, 2015, 15, 1031-1035.	9.1	194
12	Ultrathin Topological Insulator Bi ₂ Se ₃ Nanoribbons Exfoliated by Atomic Force Microscopy. Nano Letters, 2010, 10, 3118-3122.	9.1	163
13	<i>In Situ</i> X-ray Diffraction Studies of (De)lithiation Mechanism in Silicon Nanowire Anodes. ACS Nano, 2012, 6, 5465-5473.	14.6	156
14	Extreme tensile strain states in La _{0.7} Ca _{0.3} MnO ₃ membranes. Science, 2020, 368, 71-76.	12.6	151
15	Strain-induced room-temperature ferroelectricity in SrTiO ₃ membranes. Nature Communications, 2020, 11, 3141.	12.8	121
16	One-Dimensional Helical Transport in Topological Insulator Nanowire Interferometers. Nano Letters, 2014, 14, 2815-2821.	9.1	118
17	Two-dimensional limit of crystalline order in perovskite membrane films. Science Advances, 2017, 3, eaao5173.	10.3	103
18	Effects of Magnetic Doping on Weak Antilocalization in Narrow Bi ₂ Se ₃ Nanoribbons. Nano Letters, 2012, 12, 4355-4359.	9.1	59

#	ARTICLE	IF	CITATIONS
19	Strain Gradient Elasticity in SrTiO ₃ Membranes: Bending versus Stretching. Nano Letters, 2021, 21, 2470-2475. Freestanding crystalline	9.1	39
20	γ -BaSnO ₃ Membranes with High Electron Mobilities. ACS Applied Electronic Materials, 2019, 1, 1269-1274.	2.4	38
21	Large-Area Crystalline BaSnO ₃ Membranes with High Electron Mobilities. ACS Applied Electronic Materials, 2019, 1, 1269-1274.	4.3	29
22	One Nanometer Resolution Electrical Probe via Atomic Metal Filament Formation. Nano Letters, 2011, 11, 231-235.	9.1	25
23	Stabilization of Sr ₃ Al ₂ O ₆ Growth Templates for Ex Situ Synthesis of Freestanding Crystalline Oxide Membranes. Nano Letters, 2021, 21, 4454-4460.	9.1	25
24	Disentangling Coexisting Structural Order Through Phase Lock-In Analysis of Atomic-Resolution STEM Data. Microscopy and Microanalysis, 2022, 28, 404-411.	0.4	9
25	Topological insulator nanostructures. MRS Bulletin, 2014, 39, 873-879.	3.5	6
26	Delta-doped SrTiO ₃ top-gated field effect transistor. Applied Physics Letters, 2019, 114, 231605.	3.3	4