

Seung Sae Hong

List of Publications by Year in descending order

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26
papers

10,078
citations

279487

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times ranked

16910
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling Coexisting Structural Order Through Phase Lock-In Analysis of Atomic-Resolution STEM Data. <i>Microscopy and Microanalysis</i> , 2022, 28, 404-411.	0.2	9
2	Strain Gradient Elasticity in SrTiO ₃ Membranes: Bending versus Stretching. <i>Nano Letters</i> , 2021, 21, 2470-2475.	4.5	39
3	Stabilization of Sr ₃ Al ₂ O ₆ Growth Templates for Ex Situ Synthesis of Freestanding Crystalline Oxide Membranes. <i>Nano Letters</i> , 2021, 21, 4454-4460.	4.5	25
4	Strain-induced room-temperature ferroelectricity in SrTiO ₃ membranes. <i>Nature Communications</i> , 2020, 11, 3141.	5.8	121
5	Extreme tensile strain states in La _{0.7} Ca _{0.3} MnO ₃ membranes. <i>Science</i> , 2020, 368, 71-76.	6.0	151
6	Large-Area Crystalline BaSnO ₃ Membranes with High Electron Mobilities. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1269-1274.	2.0	29
7	Delta-doped SrTiO ₃ top-gated field effect transistor. <i>Applied Physics Letters</i> , 2019, 114, 231605.	1.5	4
8	Freestanding crystalline $\text{YBa}_2\text{Cu}_3\text{O}_x$	0.9	38
9	Two-dimensional limit of crystalline order in perovskite membrane films. <i>Science Advances</i> , 2017, 3, eaa05173.	4.7	103
10	Synthesis of freestanding single-crystal perovskite films and heterostructures by etching of sacrificial water-soluble Al layers. <i>Nature Materials</i> , 2016, 15, 1255-1260.	13.3	387
11	Vertical Heterostructure of Two-Dimensional MoS ₂ and WSe ₂ with Vertically Aligned Layers. <i>Nano Letters</i> , 2015, 15, 1031-1035.	4.5	194
12	Physical and chemical tuning of two-dimensional transition metal dichalcogenides. <i>Chemical Society Reviews</i> , 2015, 44, 2664-2680.	18.7	694
13	Topological insulator nanostructures. <i>MRS Bulletin</i> , 2014, 39, 873-879.	1.7	6
14	One-Dimensional Helical Transport in Topological Insulator Nanowire Interferometers. <i>Nano Letters</i> , 2014, 14, 2815-2821.	4.5	118
15	Progress, Challenges, and Opportunities in Two-Dimensional Materials Beyond Graphene. <i>ACS Nano</i> , 2013, 7, 2898-2926.	7.3	4,062
16	In Situ X-ray Diffraction Studies of (De)lithiation Mechanism in Silicon Nanowire Anodes. <i>ACS Nano</i> , 2012, 6, 5465-5473.	7.3	156
17	Effects of Magnetic Doping on Weak Antilocalization in Narrow Bi ₂ Se ₃ Nanoribbons. <i>Nano Letters</i> , 2012, 12, 4355-4359.	4.5	59
18	Ultra-low carrier concentration and surface-dominant transport in antimony-doped Bi ₂ Se ₃ topological insulator nanoribbons. <i>Nature Communications</i> , 2012, 3, 757.	5.8	197

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19	One Nanometer Resolution Electrical Probe via Atomic Metal Filament Formation. Nano Letters, 2011, 11, 231-235.	4.5	25
20	Ambipolar field effect in the ternary topological insulator $(\text{Bi}_x\text{Sb}_{1-x})_2\text{Te}_3$ by composition tuning. Nature Nanotechnology, 2011, 6, 705-709.	15.6	345
21	Hollow Carbon Nanofiber-Encapsulated Sulfur Cathodes for High Specific Capacity Rechargeable Lithium Batteries. Nano Letters, 2011, 11, 4462-4467.	4.5	1,194
22	New Nanostructured $\text{Li}_2\text{S}/\text{Silicon}$ Rechargeable Battery with High Specific Energy. Nano Letters, 2010, 10, 1486-1491.	4.5	612
23	Ultrathin Topological Insulator Bi_2Se_3 Nanoribbons Exfoliated by Atomic Force Microscopy. Nano Letters, 2010, 10, 3118-3122.	4.5	163
24	Structural and electrochemical study of the reaction of lithium with silicon nanowires. Journal of Power Sources, 2009, 189, 34-39.	4.0	276
25	Surface chemistry and morphology of the solid electrolyte interphase on silicon nanowire lithium-ion battery anodes. Journal of Power Sources, 2009, 189, 1132-1140.	4.0	559
26	Impedance Analysis of Silicon Nanowire Lithium Ion Battery Anodes. Journal of Physical Chemistry C, 2009, 113, 11390-11398.	1.5	510