Seung Sae Hong

List of Publications by Year
in descending order

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26	10,078	279798	552781
papers	citations	23 h-index	26 g-index

28	28	28	16910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Disentangling Coexisting Structural Order Through Phase Lock-In Analysis of Atomic-Resolution STEM Data. Microscopy and Microanalysis, 2022, 28, 404-411.	0.4	9
2	Strain Gradient Elasticity in SrTiO₃ Membranes: Bending versus Stretching. Nano Letters, 2021, 21, 2470-2475.	9.1	39
3	Stabilization of Sr₃Al₂O₆ Growth Templates for Ex Situ Synthesis of Freestanding Crystalline Oxide Membranes. Nano Letters, 2021, 21, 4454-4460.	9.1	25
4	Strain-induced room-temperature ferroelectricity in SrTiO3 membranes. Nature Communications, 2020, 11, 3141.	12.8	121
5	Extreme tensile strain states in La _{0.7} Ca _{0.3} MnO ₃ membranes. Science, 2020, 368, 71-76.	12.6	151
6	Large-Area Crystalline BaSnO₃ Membranes with High Electron Mobilities. ACS Applied Electronic Materials, 2019, 1, 1269-1274.	4.3	29
7	Delta-doped SrTiO3 top-gated field effect transistor. Applied Physics Letters, 2019, 114, 231605.	3.3	4
8	Freestanding crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YB</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></	2.4	38
9	Two-dimensional limit of crystalline order in perovskite membrane films. Science Advances, 2017, 3, eaao5173.	10.3	103
10	Synthesis of freestanding single-crystal perovskite films and heterostructures by etching of sacrificial water-solubleÂlayers. Nature Materials, 2016, 15, 1255-1260.	27.5	387
11	Vertical Heterostructure of Two-Dimensional MoS₂ and WSe₂ with Vertically Aligned Layers. Nano Letters, 2015, 15, 1031-1035.	9.1	194
12	Physical and chemical tuning of two-dimensional transition metal dichalcogenides. Chemical Society Reviews, 2015, 44, 2664-2680.	38.1	694
13	Topological insulator nanostructures. MRS Bulletin, 2014, 39, 873-879.	3.5	6
14	One-Dimensional Helical Transport in Topological Insulator Nanowire Interferometers. Nano Letters, 2014, 14, 2815-2821.	9.1	118
15	Progress, Challenges, and Opportunities in Two-Dimensional Materials Beyond Graphene. ACS Nano, 2013, 7, 2898-2926.	14.6	4,062
16	In Situ X-ray Diffraction Studies of (De)lithiation Mechanism in Silicon Nanowire Anodes. ACS Nano, 2012, 6, 5465-5473.	14.6	156
17	Effects of Magnetic Doping on Weak Antilocalization in Narrow Bi₂Se₃ Nanoribbons. Nano Letters, 2012, 12, 4355-4359.	9.1	59
18	Ultra-low carrier concentration and surface-dominant transport in antimony-doped Bi2Se3 topological insulator nanoribbons. Nature Communications, 2012, 3, 757.	12.8	197

#	Article	IF	Citations
19	One Nanometer Resolution Electrical Probe via Atomic Metal Filament Formation. Nano Letters, 2011, 11, 231-235.	9.1	25
20	Ambipolar field effect in the ternary topological insulator (BixSb1â€“x)2Te3 by composition tuning. Nature Nanotechnology, 2011, 6, 705-709.	31.5	345
21	Hollow Carbon Nanofiber-Encapsulated Sulfur Cathodes for High Specific Capacity Rechargeable Lithium Batteries. Nano Letters, 2011, 11, 4462-4467.	9.1	1,194
22	New Nanostructured Li₂S/Silicon Rechargeable Battery with High Specific Energy. Nano Letters, 2010, 10, 1486-1491.	9.1	612
23	Ultrathin Topological Insulator Bi₂Se₃ Nanoribbons Exfoliated by Atomic Force Microscopy. Nano Letters, 2010, 10, 3118-3122.	9.1	163
24	Structural and electrochemical study of the reaction of lithium with silicon nanowires. Journal of Power Sources, 2009, 189, 34-39.	7.8	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.	7.8	559
26	Impedance Analysis of Silicon Nanowire Lithium Ion Battery Anodes. Journal of Physical Chemistry C, 2009, 113, 11390-11398.	3.1	510