Hoseok Heo

List of Publications by Year
in descending order

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15	1,135	687363 13	1058476 14
papers	citations	h-index	g-index

16	16	16	2734
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bilayer Wigner crystals in a transition metal dichalcogenide heterostructure. Nature, 2021, 595, 48-52.	27.8	98
2	Broken mirror symmetry in excitonic response of reconstructed domains in twisted MoSe2/MoSe2 bilayers. Nature Nanotechnology, 2020, 15, 750-754.	31.5	106
3	Atomically thin three-dimensional membranes of van der Waals semiconductors by wafer-scale growth. Science Advances, 2019, 5, eaaw3180.	10.3	22
4	Liquid Salt Transport Growth of Single Crystals of the Layered Dichalcogenides MoS₂ and WS₂. Crystal Growth and Design, 2019, 19, 5762-5767.	3.0	16
5	Directly Assembled 3D Molybdenum Disulfide on Silicon Wafer for Efficient Photoelectrochemical Water Reduction. Advanced Sustainable Systems, 2018, 2, 1700142.	5.3	36
6	Frankâ€“van der Merwe Growth versus Volmerâ€“Weber Growth in Successive Stacking of a Fewâ€Layer Bi₂Te₃/Sb₂Te₃ by van der Waals Heteroepitaxy: The Critical Roles of Finite Latticeâ€Mismatch with Seed Substrates. Advanced Electronic Materials, 2017, 3, 1600375.	5.1	25
7	Thermoelectric materials by using two-dimensional materials with negative correlation between electrical and thermal conductivity. Nature Communications, 2016, 7, 12011.	12.8	173
8	Vapor Transport Synthesis of Two-Dimensional SnS₂ Nanocrystals Using a SnS₂ Precursor Obtained from the Sulfurization of SnO₂. Crystal Growth and Design, 2016, 16, 3884-3889.	3.0	23
9	Rotationâ€Misfitâ€Free Heteroepitaxial Stacking and Stitching Growth of Hexagonal Transitionâ€Metal Dichalcogenide Monolayers by Nucleation Kinetics Controls. Advanced Materials, 2015, 27, 3803-3810.	21.0	113
10	2D Materials: Rotationâ€Misfitâ€Free Heteroepitaxial Stacking and Stitching Growth of Hexagonal Transitionâ€Metal Dichalcogenide Monolayers by Nucleation Kinetics Controls (Adv. Mater. 25/2015). Advanced Materials, 2015, 27, 3839-3839.	21.0	2
11	Interlayer orientation-dependent light absorption and emission in monolayer semiconductor stacks. Nature Communications, 2015, 6, 7372.	12.8	154
12	Deterministic Two-Dimensional Polymorphism Growth of Hexagonal n-Type SnS₂ and Orthorhombic p-Type SnS Crystals. Nano Letters, 2015, 15, 3703-3708.	9.1	289
13	Tunable Catalytic Alloying Eliminates Stacking Faults in Compound Semiconductor Nanowires. Nano Letters, 2012, 12, 855-860.	9.1	18
14	Kinetics-driven high power Li-ion battery with a-Si/NiSi<inf>x</inf> core-shell nanowire anodes. , 2011, , .		0
15	Kinetics-driven high power Li-ion battery with a-Si/NiSix core-shell nanowire anodes. Chemical Science, 2011, 2, 1090.	7.4	60