

# Alireza Khanaki

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Study of Direct Tunneling and Dielectric Breakdown in Molecular Beam Epitaxial Hexagonal Boron Nitride Monolayers Using Metal-Insulator-Metal Devices. ACS Applied Electronic Materials, 2020, 2, 747-755.	4.3	19
2	Growth Dynamics of Millimeter-Sized Single-Crystal Hexagonal Boron Nitride Monolayers on Secondary Recrystallized Ni (100) Substrates. Advanced Materials Interfaces, 2019, 6, 1901198.	3.7	20
3	Large-area adlayer-free single-layer h-BN film achieved by controlling intercalation growth. Applied Surface Science, 2019, 498, 143851.	6.1	9
4	Effect of high carbon incorporation in Co substrates on the epitaxy of hexagonal boron nitride/graphene heterostructures. Nanotechnology, 2018, 29, 035602.	2.6	12
5	Role of Carbon Interstitials in Transition Metal Substrates on Controllable Synthesis of High-Quality Large-Area Two-Dimensional Hexagonal Boron Nitride Layers. Nano Letters, 2018, 18, 3352-3361.	9.1	34
6	Low-temperature growth of graphene on iron substrate by molecular beam epitaxy. Thin Solid Films, 2017, 627, 39-43.	1.8	15
7	Large-area growth of multi-layer hexagonal boron nitride on polished cobalt foils by plasma-assisted molecular beam epitaxy. Scientific Reports, 2017, 7, 43100.	3.3	46
8	Precipitation growth of graphene under exfoliated hexagonal boron nitride to form heterostructures on cobalt substrate by molecular beam epitaxy. Applied Physics Letters, 2017, 111, .	3.3	6
9	Self-assembled Cubic Boron Nitride Nanodots. Scientific Reports, 2017, 7, 4087.	3.3	12
10	Direct growth of hexagonal boron nitride/graphene heterostructures on cobalt foil substrates by plasma-assisted molecular beam epitaxy. Applied Physics Letters, 2016, 109, .	3.3	33
11	Direct growth of graphene on <i>in situ</i> epitaxial hexagonal boron nitride flakes by plasma-assisted molecular beam epitaxy. Applied Physics Letters, 2015, 107, .	3.3	36
12	In-situ epitaxial growth of graphene/h-BN van der Waals heterostructures by molecular beam epitaxy. Scientific Reports, 2015, 5, 14760.	3.3	75
13	Electrophoretic Deposition of $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ Thin Films Using Solvothermal Synthesized Nanoparticles for Solar Cell Application. Journal of Physical Chemistry C, 2015, 119, 23250-23258.	3.1	19
14	Effects of process parameters on the synthesis and characterization of $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ nanopowders produced by new modified solvothermal method. Materials Science in Semiconductor Processing, 2013, 16, 1397-1404.	4.0	15
15	Solvothermal Synthesis of $\text{CuInSe}_2$ ; Nanostructured Powders: Comparing Open-Air with Applying Internal Imposed Pressure. Advanced Materials Research, 0, 829, 912-916.	0.3	1