Nadire Nayir

List of Publications by Citations

15 papers	136 citations	6 h-index	11 g-index
20 ext. papers	212 ext. citations	5.2 avg, IF	2.8 L-index

#	Paper	IF	Citations
15	Atomically thin half-van der Waals metals enabled by confinement heteroepitaxy. *Nature Materials*, **2020**, 19, 637-643	27	53
14	Multi-scale modeling of gas-phase reactions in metal-organic chemical vapor deposition growth of WSe2. *Journal of Crystal Growth*, **2019**, 527, 125247	1.6	25
13	Development of the ReaxFF Reactive Force Field for Inherent Point Defects in the Si/Silica System. *Journal of Physical Chemistry A*, **2019**, 123, 4303-4313	2.8	10
12	Modeling for Structural Engineering and Synthesis of Two-Dimensional WSe2 Using a Newly Developed ReaxFF Reactive Force Field. *Journal of Physical Chemistry C*, **2020**, 124, 28285-28297	3.8	10
11	Development of a ReaxFF Reactive Force Field for Interstitial Oxygen in Germanium and Its Application to GeO2/Ge Interfaces. *Journal of Physical Chemistry C*, **2019**, 123, 1208-1218	3.8	8
10	Illuminating Invisible Grain Boundaries in Coalesced Single-Orientation WS Monolayer Films. *Nano Letters*, **2021**, 21, 6487-6495	11.5	7
9	INDEEDopt: a deep learning-based ReaxFF parameterization framework. *Npj Computational Materials*, **2021**, 7,	10.9	6
8	Atomic-scale probing of defect-assisted Ga intercalation through graphene using ReaxFF molecular dynamics simulations. *Carbon*, **2022**, 190, 276-290	10.4	3
7	An Initial Design-enhanced Deep Learning-based Optimization Framework to Parameterize Multicomponent ReaxFF Force Fields		3
6	Development and Applications of ReaxFF Reactive Force Fields for Group-III Gas-Phase Precursors and Surface Reactions with Graphene in Metal□Organic Chemical Vapor Deposition Synthesis. *Journal of Physical Chemistry C*, **2021**, 125, 10747-10758	3.8	3
5	A ReaxFF Force Field for 2D-WS2 and Its Interaction with Sapphire. *Journal of Physical Chemistry C*, **2021**, 125, 17950-17961	3.8	3
4	Theoretical modeling of edge-controlled growth kinetics and structural engineering of 2D-MoSe2. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 271, 115263	3.1	3
3	Density functional study of Ga intercalation at graphene/SiC heterointerface. *Journal of Materials Research*, **2022**, 37, 1172-1182	2.5	1
2	Understanding physical chemistry of BaSrTiO using ReaxFF molecular dynamics simulations. *Physical Chemistry Chemical Physics*, **2021**, 23, 25056-25062	3.6	
1	Structural properties of indium phosphide nanorods: molecular dynamics simulations. *International Journal of Nanotechnology*, **2016**, 13, 809	1.5	