

# Karthik Ganeshan

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Wafer-Scale Lateral Self-Assembly of Mosaic $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Monolayer Films. ACS Nano, 2021, 15, 625-636.	7.3	48
2	An implicit discontinuous Galerkin finite element discrete Boltzmann method for high Knudsen number flows. Physics of Fluids, 2021, 33, .	1.6	1
3	ReaxFF molecular dynamics study on pyrolysis of bicyclic compounds for aviation fuel. Fuel, 2021, 297, 120724.	3.4	36
4	Effects of interlayer confinement and hydration on capacitive charge storage in birnessite. Nature Materials, 2021, 20, 1689-1694.	13.3	119
5	Atomistic-scale insight into the polyethylene electrical breakdown: An eReaxFF molecular dynamics study. Journal of Chemical Physics, 2021, 154, 024904.	1.2	6
6	Decoupling Proton and Cation Contributions to Capacitive Charge Storage in Birnessite in Aqueous Electrolytes. ChemElectroChem, 2021, 8, 4371-4379.	1.7	6
7	Structure and Dynamics of Aqueous Electrolytes Confined in 2D-TiO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>2</sub> MXene Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 58378-58389.	4.0	25
8	Multiply accelerated ReaxFF molecular dynamics: coupling parallel replica dynamics with collective variable hyper dynamics. Molecular Simulation, 2019, 45, 1265-1272.	0.9	11
9	Processing, properties and applications of Ni-Ti-Fe shape memory alloys. Materials Today: Proceedings, 2017, 4, 3581-3589.	0.9	13
10	Influence of metal ions intercalation on the vibrational dynamics of water confined between MXene layers. Physical Review Materials, 2017, 1, .	0.9	45