

# Sunny S Gupta

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Direct and Indirect Interlayer Excitons in a van der Waals Heterostructure of hBN/WS <sub>2</sub> /MoS <sub>2</sub> /hBN. ACS Nano, 2018, 12, 2498-2505.	14.6	96
2	Two-Level Quantum Systems in Two-Dimensional Materials for Single Photon Emission. Nano Letters, 2019, 19, 408-414.	9.1	59
3	Dirac Cones and Nodal Line in Borophene. Journal of Physical Chemistry Letters, 2018, 9, 2757-2762.	4.6	56
4	In Pursuit of 2D Materials for Maximum Optical Response. ACS Nano, 2018, 12, 10880-10889.	14.6	50
5	Thermoelectric transport and microstructure of optimized Mg <sub>2</sub> Si <sub>0.8</sub> Sn <sub>0.2</sub> . Journal of Materials Chemistry C, 2015, 3, 10467-10475.	5.5	43
6	Flexoelectricity and Charge Separation in Carbon Nanotubes. Nano Letters, 2020, 20, 3240-3246.	9.1	32
7	Heterobilayers of 2D materials as a platform for excitonic superfluidity. Nature Communications, 2020, 11, 2989.	12.8	31
8	Suppression of Jahn–Teller Distortions and Origin of Piezochromism and Thermochromism in Cu–Cl Hybrid Perovskite. Inorganic Chemistry, 2016, 55, 6817-6824.	4.0	24
9	What Dictates Rashba Splitting in 2D van der Waals Heterobilayers. Journal of the American Chemical Society, 2021, 143, 3503-3508.	13.7	21
10	Topologically nontrivial electronic states in CaSn <sub>3</sub> . Journal of Applied Physics, 2017, 121, .	2.5	14
11	Dimensionality-Reduced Fermi Level Pinning in Coplanar 2D Heterojunctions. Journal of Physical Chemistry Letters, 2021, 12, 4299-4305.	4.6	10
12	Designing 1D correlated-electron states by non-Euclidean topography of 2D monolayers. Nature Communications, 2022, 13, .	12.8	9
13	Franck Condon shift assessment in 2D MoS <sub>2</sub> . Journal of Physics Condensed Matter, 2018, 30, 095501.	1.8	8
14	Dual Role of Adsorbent and Non-monotonic Transfer p-Doping of Diamond. ACS Applied Materials & Interfaces, 2021, 13, 4676-4681.	8.0	2